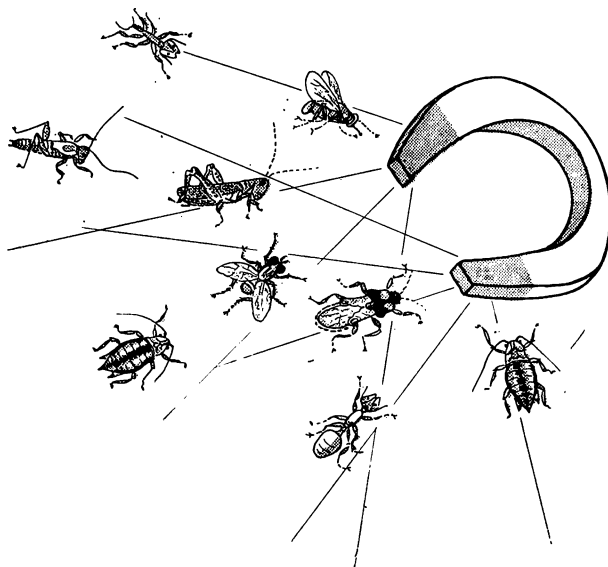




MATERIALS TESTED AS INSECT ATTRACTANTS

Agriculture Handbook No. 239

Agricultural Research Service
United States Department of Agriculture



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*Compiled by M. Beroza and N. Green,
chemists, Entomology Research Division*

Agriculture Handbook No. 239

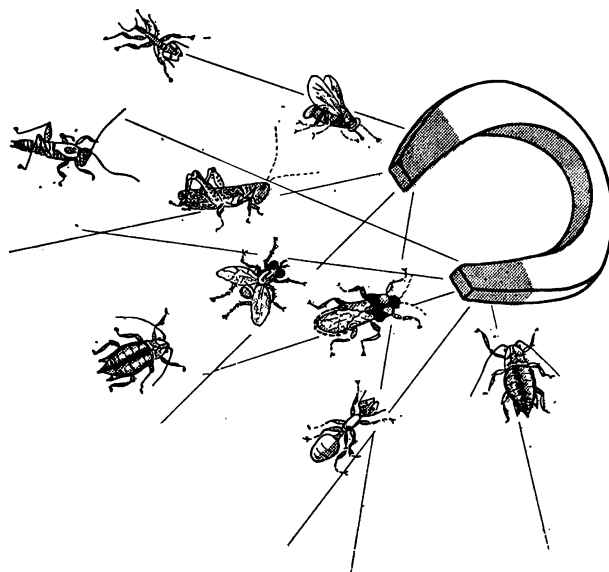
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MATERIALS TESTED AS INSECT ATTRACTANTS

Compiled by M. BEROZA and N. GREEN,
chemists, ENTOMOLOGY RESEARCH DIVISION¹



Fast intercontinental travel and trade are stepping up chances of importing nonindigenous insect pests into the United States. Attractants, or lures, can be of considerable aid in facilitating the early detection of such insect pests, and they are of vital importance in measuring the progress of a program aimed at eradicating a species that has become established.

The Entomology Research Division has pioneered in the use of insect attractants on a large scale and has conducted a program to find new attractants. The test procedures and results obtained in screening more than 4,000 materials against 10 insect species are given in this handbook.

When organic chemicals that exhibited attractiveness were found, these leads were explored by testing structurally related compounds. Some of the attractants found have already proved to be of considerable practical value.

For additional information on insect attractants, such as uses, types, properties, and methods of discovery, see references 6, 11, and 12 under Literature Cited, page 8.

MATERIALS TESTED

Sources

The Entomology Research Division has for many years conducted a pesticide screening program (17). When work on attractants was begun, several chemicals originally obtained for this pesticide program were selected for testing as lures. Candidate lures were also obtained through the cooperation of other Government agencies, chemical companies, and universities. Since early in the 1950's most of these test materials were procured or produced by the Pesticide Chemicals Research Branch at Beltsville, Md. The staff included S. I. Gertler, B. H. Alexander, N. Green, T. Oda, W. F. Barthel, R. T. Brown, and M. Beroza, who synthesized chemicals for this study, R. W. Ihndris and E. M. Osborne, who named most of the organic compounds, and M. Jacobson and W. A. Jones, who prepared the botanical extracts.

Systematic Arrangement

To facilitate finding relationships between chemical structure and activity, the materials tested were systematically arranged in the following groups:

Compounds containing carbon and hydrogen only:

1. Hydrocarbons.

¹ Many entomologists, chemists, and other scientists of this Division participated in these studies. Those taking part in the chemical work are listed under Materials Tested. Those conducting tests reported here are listed under the specific insect they used.

Compounds containing carbon, hydrogen, and oxygen only:

2. Acids and acid anhydrides.
3. Aldehydes and acetals.
4. Esters and lactones.
5. Ethers.
6. Ketones.
7. Alcohols and phenols.

Compounds containing elements in addition to carbon, hydrogen, and oxygen:

8. Nitrogen-containing compounds.
9. Halogen-containing compounds.
10. Sulfur-containing compounds.
11. Phosphorus-containing compounds.

Materials not otherwise classified:

12. Materials of unknown or indefinite composition.

This grouping is useful in coding materials according to their elements and functional groups on McBee Keysort cards. Compounds containing only carbon, hydrogen, and/or oxygen fall in groups 1 through 7. Polyfunctional compounds such as keto acids and aldehyde esters fall in the first pertinent group; for example, acid esters are placed in group 2 and keto ethers in group 5. Compounds containing elements in addition to carbon, hydrogen, and oxygen fall in groups 8 through 11 regardless of their functional groups. Thus, to find hydroxy esters, one should look in group 4, although hydroxy esters containing elements in addition to carbon, hydrogen, and oxygen would be located in groups 8 through 11. Most of the materials in group 12 are derived from natural products. Within each of these groups the materials are listed alphabetically. (See table 2, page 10.) The names of compounds, with a few minor exceptions, are in accordance with the Chemical Abstracts indexing system (5).

TEST INSECTS

The common and scientific names of the insects used in these studies are as follows:

Oriental fruit fly	<i>Dacus dorsalis</i> Hendel
Melon fly	<i>Dacus cucurbitae</i> Coquillett
Mediterranean fruit fly	<i>Ceratitis capitata</i> (Wiedemann)
Mexican fruit fly	<i>Anastrepha ludens</i> (Loew)
Gypsy moth	<i>Porthetria dispar</i> (Linnaeus)
Drosophila (pomace fly)	<i>Drosophila melanogaster</i> (Meigen)
European chafer	<i>Amphimallon majalis</i> (Razoumowsky)
Pink bollworm	<i>Pectinophora gossypiella</i> (Saunders)
Boll weevil	<i>Anthonomus grandis</i> Boheman
House fly	<i>Musca domestica</i> Linnaeus

The materials were tested against the adults and, unless otherwise noted, the attraction was for the males.

TEST PROCEDURES

In initial tests, the materials were classified according to their ability to attract insects as follows:

Class	Amount of attraction
1	Little or none.
2	Moderate.
3	Strong.

Specific assignments of class were based upon experimental performance and are given for each species. (See table 2.)

In follow-up tests, the most potent lures in laboratory tests were subjected to field evaluation. Although the final determination of a lure's performance was made in the field, generally in comparison with a standard lure, such tests are not reported here.

Oriental and Mediterranean Fruit Flies and Melon Fly

*Honolulu, Hawaii—L. D. Christenson, formerly in charge, L. F. Steiner, now in charge, D. H. Miyashita, K. Ohinata, W. C. Mitchell
Shizuko Mitchell, I. Keiser, and P. Gow²*

In laboratory screening tests, Gow's olfactometer (9) was stocked with 25,000 to 100,000 insects. The olfactometer (fig. 1) is a room-sized cage, 9 feet square and 8 feet high, equipped with a horizontally mounted wheel, which is slowly rotated to eliminate any positional advantage. Suspended from the wheel are invaginated glass traps, which contain the test materials, usually in 0.1-percent aqueous emulsions. Four candidate lures were tested simultaneously and each was replicated three times. The cage was located outdoors to approximate natural conditions, and breezes prevented accumulation of undesirable odors. Since supplies of food and water were available at all times, a candidate lure had to prove itself in competition with these essentials. The candidate lures were usually screened against the oriental and Mediterranean fruit flies and melon flies at the same time.

The materials were classified according to their attractancy index, which was obtained by dividing the number of insects caught with the candidate lure by the number caught with plain water.

Class	Attractancy index for—	
	Males	Females
1.....	Less than 11.....	Less than 6.....
2.....	From 11 to 50.....	From 6 to 50.....
3.....	Greater than 50.....	Greater than 50.....

Supplemental laboratory tests, which were made before a lure was tested in the field, were employed

² Deceased Dec. 12, 1954.

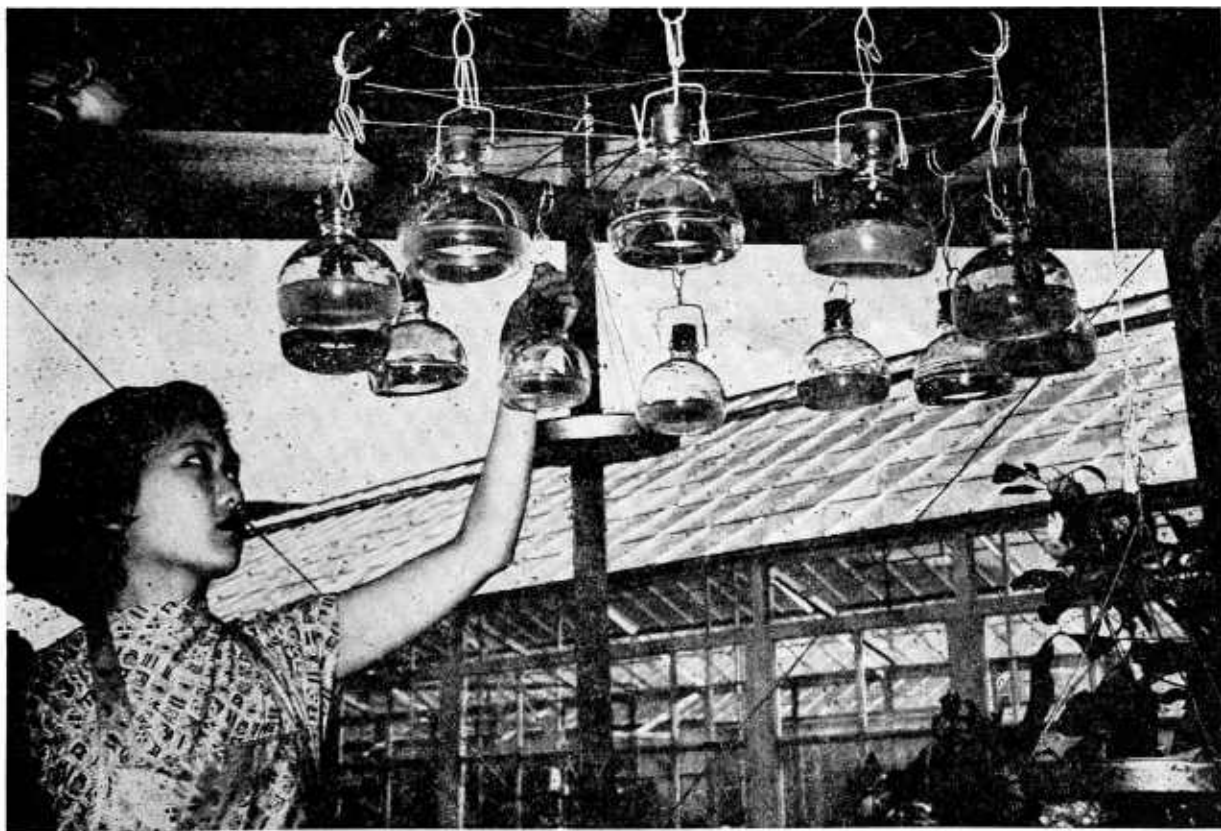


FIGURE 1.—Screening potential oriental fruit fly attractants in the olfactometer.



FIGURE 2.—Conducting wick tests in the olfactometer.

to determine whether a lure would be useful in dry traps, whether it would be persistent, and whether it could be used in combination with a toxicant.

In the supplemental tests the horizontally mounted wheel and traps of the olfactometer were replaced with a hexagonal prism 6 inches thick (fig. 2). Each of its six faces was covered with a piece of kraft paper, to the center of which was fastened a cotton wick $1\frac{1}{2}$ inches long. This wick, treated with 0.5 ml. of the candidate lure, was attached with cellulose tape in such a way that the lure could not touch the paper. The lures were exposed for 15 minutes, and their efficiency in comparison with that of a standard lure was determined by estimating the number of flies that congregated on or near each wick. Any repellency from high concentrations of the lure could be observed. A lure having this characteristic would be relatively ineffective for field use. If the flies fed on the lure, an insecticide was added to see if they would ingest the poisoned lure. Duration of effectiveness of lures was estimated by holding the wicks under standardized conditions and periodically testing them in the olfactometer along with a standard lure until they were no longer attractive.

The supplemental tests gave, with a minimum of test material, the information needed to set up field tests efficiently.

Mexican Fruit Fly

Mexico City, Mexico—W. E. Stone, in charge, J. F. Cooper, F. Lopez-D., and D. L. Chambers

The laboratory screening-test procedure was the same as previously described, except that the olfactometer in which most of the work was done was located indoors. A temperature of 25°–28° C. and 50-percent relative humidity were maintained. Light conditions were standardized with artificial lighting.

Classification of materials for both sexes of the Mexican fruit fly was the same as that given in the preceding screening tests for females.

Gypsy Moth

Beltville, Md.—Pesticide Chemicals Research Branch, Martin Jacobson, Morton Beroza, and Nathan Green; in cooperation with Plant Pest Control Division, Moorestown, N. J., H. L. Smith; and Division of Forest Insect Research, Forest Service

Filter-paper cartridges each containing about 0.25 gram of the candidate lure were exposed in traps (fig. 3) for at least 4 days of the gypsy moth flight season in the New England area. The traps were hung from branches 3 feet above ground and about 10 to 15 feet apart. The lures were tested either singly or in duplicate. If a trap caught more than two moths, additional traps were set out for confirmatory tests. They contained several amounts of the lure—usually 0.02, 0.25, or 1.0 gram per cartridge—and each treatment was replicated two to four times. Materials that rated above class 1 were reduced to class 1 if no moths were caught in confirmatory tests. The standard trap contained the hydrogenated extract of the natural lure prepared from 12 abdominal tips of the virgin female moth (1).

The materials were classified as follows:

<i>Class</i>	<i>Number of captures</i>
1.....	From zero to two.
2.....	Three or more but less than the standard.
3.....	Equal or exceed the standard.

Drosophila

Beltville, Md.—Horatio C. Mason and Harold C. Gibson

Tests were run in a laboratory room, 15 by 11½ by 9 feet, maintained at 24° to 27° C. and stocked with 2,000 to 4,000 drosophila adults. A few drops of the candidate lure were placed on a circle of filter paper laid on a piece of aluminum foil. Between 15 and 35 of these unreplicated lures were distributed on a 5-foot circular table, which rotated at about 1 r.p.m. After a 2-hour exposure the number of drosophila on each lure was compared with the number on a standard lure of sugar, vinegar, yeast, and water.

Because none of the materials tested approached the attractiveness of the standard lure, all were rated as class 1 in table 2.

European Chafer

Geneva, N. Y.—H. Tashiro

Five drops of a 50-percent v/v solution of the candidate lure in ethanol were placed on a strip of absorbent paper 1½ by 5 inches. The strip was inserted in the central perforated cylinder of each trap within an hour before the flight of the European chafer beetles was expected. Traps containing four candidate lures and a standard were spaced 20 feet apart in a 5 by 5 Latin square arrangement. The standard lure was a 3 to 1 mixture by volume of Java citronella and eugenol. Evaluations were made after one night's flight.

The materials were classified as follows:

<i>Class</i>	<i>Number of captures</i>
1.....	Less than the standard.
2.....	One to three times the standard.
3.....	More than three times the standard.

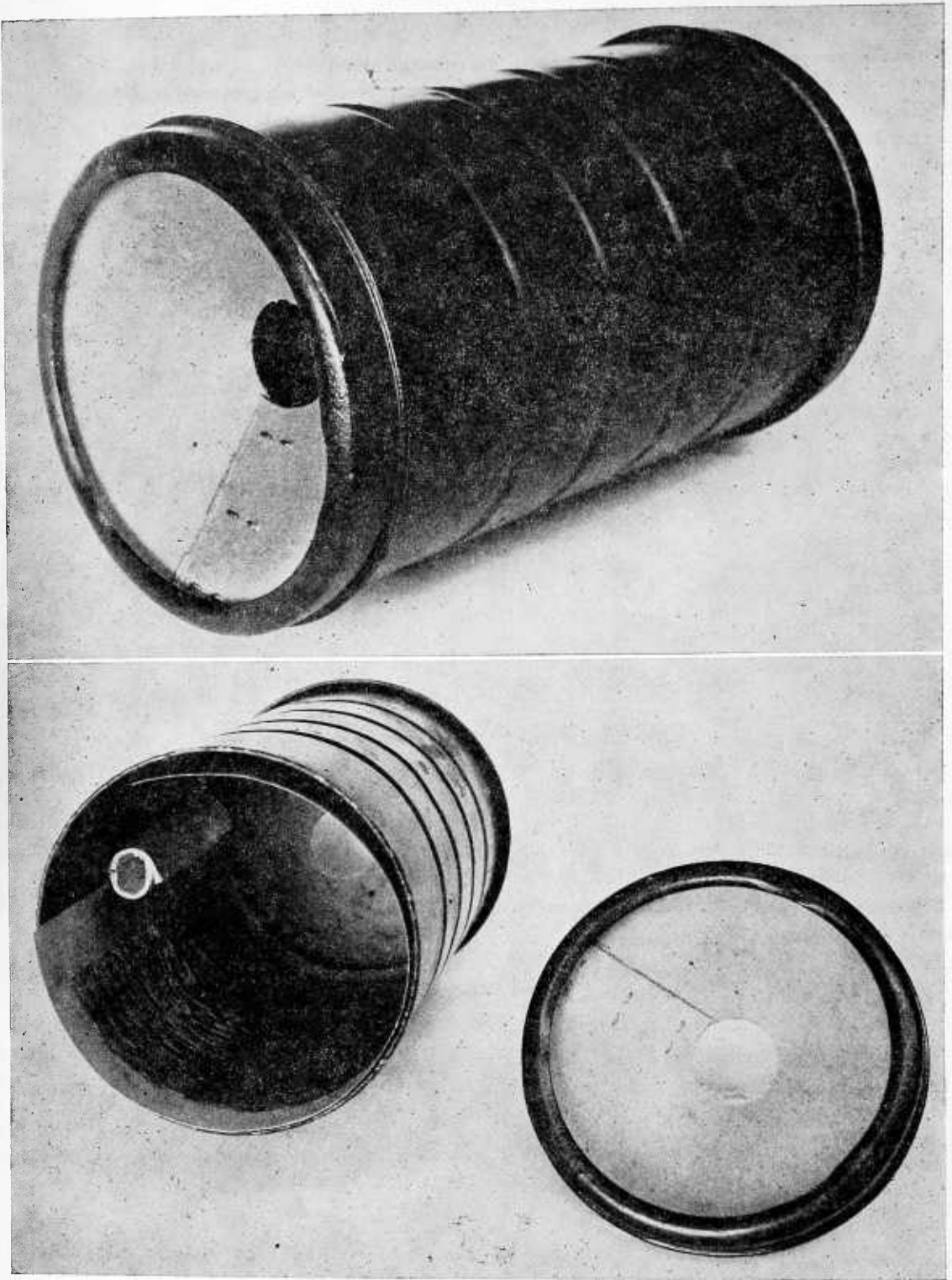


FIGURE 3.—Metal gypsy moth trap: Above, assembled; below, disassembled to show impregnated paper cartridge and liner covered with adhesive that holds trapped moths.

Pink Bollworm

Brownsville, Tex.—J. M. McGough

A 6-foot cubical cage was fitted with a 5-foot horizontally mounted wheel, which was rotated at about one-half r.p.m. Suspended from the rim were six plastic traps containing aluminum weighing dishes with the standard of *m*-isopropoxybenzyl chrysanthemumate (ENT-21426) and the candidate lures. The traps, which were similar to the gypsy moth trap (fig. 3), were 3 inches in diameter and 10 inches long. The temperature was held at about 27° C.

The attractancy of the test materials to the pink bollworm was calculated by the formula—

$$\frac{\text{Insects trapped by lure} - \text{insects trapped by standard}}{\text{Total insects trapped (lure} + \text{standard)}} \times 100 = \text{rating}$$

The materials were then classified as follows:

Class

Rating

- | | |
|--------|--|
| 1..... | Less than -15. |
| 2..... | From -15 to 33. |
| 3..... | Greater than 33 (more than twice as attractive as the standard). |

When tests were made at more than one concentration, the best rating was given; tests at the same concentration were averaged.

Boll Weevil

Brownsville, Tex.—J. M. McGough

One half of a cotton boll was dipped in aqueous alcohol containing the candidate lure and the other half in an equal strength of aqueous alcohol without the lure. Both halves were placed on a 4-inch-square plate glass, which was put in a cage, 1 by 1 by 2 feet, equipped with controlled lighting and a small fan for ventilation. Two hundred boll weevils were introduced into the cage, and after 35 minutes the insects on each half of the cotton boll were counted. The temperature was held at about 27° C.

The attractancy of the lures to the boll weevil was calculated by the same formula as for the pink bollworm, except one half of a cotton boll was treated with candidate lure and the other half, or the standard, was not treated.

House Fly

Orlando, Fla.—Carroll N. Smith, in charge, G. C. LaBrecque, and H. G. Wilson

Two standardized tests were used for house fly attractants and arrestants (7). Glass traps were utilized for attractants and open petri dishes for arrestants. Five hundred male and female house flies from a regular colony were anesthetized with carbon dioxide, placed in cylindrical holding cages that were 8 inches high and 2½ inches in diameter, and given a 10-percent honey solution on absorbent cotton pads. They were held overnight. The next day, 18 hours after anesthesia, the flies were released in a 4-foot cubical cage and allowed to feed on sugar for 30 minutes. The sugar was removed, and 30 minutes later it was offered to the flies again. Testing was begun only after 2 percent of the flies started to feed.

In the tests for attractants, the candidate lure was placed in a 12-ounce drinking glass and covered with a screen to prevent flies from coming in contact with it. An inverted screen cone placed at the mouth of the glass completed the trap. A trap containing the standard was exposed in a cage of flies at the same time as the trap with the lure. One 30-minute exposure of a lure and the standard constituted a test. The number of flies on the lure divided by the number feeding on the standard gave the ratio to the standard.

No satisfactory standard was found for these tests. In the first tests either a blank or sugar, which is nonvolatile and has no true attractiveness, was used as the standard. After several hundred compounds were tested, Edamin³ was selected as a standard. It is an enzymatic milk digest, which exhibited a fair

³ The mention of a proprietary product does not imply its endorsement by the U.S. Department of Agriculture over similar products not named.

amount of volatile attractiveness and gave reasonably consistent results. In a series of 424 tests, more than 10 flies were caught in 107 tests, 5-9 flies in 141 tests, 2-4 in 86 tests, 1-2 in 65 tests, and 0 in 25 tests. All test results were discarded unless three or more flies were caught with the Edamin standard. Edamin was more attractive to females than to males; the ratio captured was about 14:1.

In the tests for arrestants, which may be attractants as well, the candidate lure and a standard of granulated sugar, in equal quantities, were each placed in a petri dish and exposed in the testing cage. After 2 minutes the flies feeding in each dish were counted and shooed away by a wave of the hand. The positions of the dishes were reversed and the test was repeated. Four exposure periods constituted a test. The ratio to the standard was computed in the same manner as for the attractants.

The materials were classified as follows:

<i>Class</i>	<i>Rating</i>
1.-----	Less than 5 times as attractive as the standard.
2.-----	From 5 to 20 times as attractive as the standard.
3.-----	More than 20 times as attractive as the standard.

RESULTS

Attractants may be found by extracting, isolating, and identifying the attractive principles from natural sources, such as insects, host animals, and host plants. Another approach is to screen a great number of materials of both natural and synthetic origin. Where attractive substances are found, an attempt is made to increase the effectiveness by synthesizing or otherwise obtaining related materials. Some of the best attractants were discovered by the latter approach. These have been invaluable for detecting and surveying insect populations. The possibility of using the more powerful ones for control work is being investigated.

The most effective attractants discovered in the screening programs of the Entomology Research Division are given in table 1. In table 2 the materials tested are classified as to their attractancy for 10 insect species.

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TABLE 1.—*Most effective attractants for four insect species*

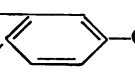
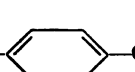
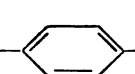
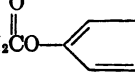
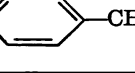
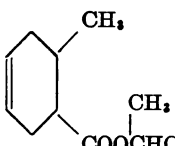
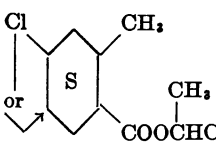
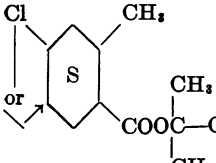
ORIENTAL FRUIT FLY				
Structure of chemical	Chemical group No.	Type of compound	Common name	Reference
CH_3O  $\text{CH}_2\text{CH}=\text{CH}_2$	5	Ether.....	Methyleugenol ^{1 2}	13, 18
MELON FLY				
CH_3O  $\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_3$	5	Ketoether.....	Anisylacetone.....	2
CH_3CO  $\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_3$	4	Ketoester.....	Cue-lure ¹	3
$\text{CH}_3\text{CH}_2\text{CO}$  $\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_3$	4	do.....		3
HO  $\text{CH}_2\text{CH}_2\text{C}(=\text{O})\text{CH}_3$	6	Ketophenol.....		3
MEDITERRANEAN FRUIT FLY				
 $\text{COOCH}_2\text{CH}_2\text{CH}_3$	4	Ester.....	Siglure.....	8, 10, 19
 $\text{COOCH}_2\text{CH}_2\text{CH}_3$	9	do.....	Medlure.....	4
 COOC $\begin{matrix} \text{CH}_3 \\ \\ \text{CH}_2 \end{matrix}$	9	do.....	Trimedlure ¹	4
Unknown.....	12	Sesquiterpene (active ingredient)...	Angelica seed oil.....	20

TABLE 1.—*Most effective attractants for four insect species—Continued*

GYPSY MOTH

Structure of chemical	Chemical group No.	Type of compound	Common name	Reference
$\text{CH}_3(\text{CH}_2)_{11}-\text{CHOHCH}_2\text{OH}$ -----	7	Alcohol-----	-----	14
$\text{CH}_3(\text{CH}_2)_{11}-\text{CH}-\text{CH}_2$ -----	5	Epoxide-----	-----	14
$\begin{array}{c} \text{O} \\ \\ \text{CH}_3(\text{CH}_2)_5-\text{CH}-\text{CH}_2-\text{CH}=\text{CH}(\text{CH}_2)_5\text{CH}_2\text{OH}^1 \\ \\ \text{O}-\text{CO}-\text{CH}_3 \end{array}$ -----	4	Unsaturated ester alcohol-----	-----	16
$\begin{array}{c} \text{CH}_3(\text{CH}_2)_5-\text{CH}-\text{CH}_2-\text{CH}=\text{CH}(\text{CH}_2)_7\text{CH}_2\text{OH} \\ \\ \text{O}-\text{COCH}_3 \end{array}$ -----	4	do-----	Gyplure-----	15

¹ Best lure available for species.² First reported by Howlett (13).TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species*

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
GROUP 1.—HYDROCARBONS													
1	128	Acenaphthene.....	1	---	1	1	---	---	---	1	1	---	---
2	737	Alloöcimene.....	1	1	1	1	---	---	---	---	---	---	---
3	155	Anthracene.....	1	---	1	1	---	---	---	1	1	---	---
4	24829	Aromadendrene.....	1	---	1	---	---	---	---	---	---	---	---
5	808	Benzene.....	1	---	---	---	---	---	---	---	---	---	---
6	15336	Benzene, diethyl- (mixture of <i>m</i> and <i>p</i>).....	1	---	2	1	---	---	1	1	2	---	---
7	9057	Benzene, ethyl.....	1	---	1	1	---	---	---	1	2	---	---
8	24180	Benzene, ethynyl.....	1	1	---	---	---	---	---	1	---	---	---
9	4220	Benzene, pentaethyl.....	1	---	1	1	---	---	---	---	---	---	---
10	23862	Benzene, propyl.....	1	1	---	---	---	---	---	---	---	---	---
11	25182	Benzene, 1,2,4,5-tetramethyl.....	1	1	2	1	1	---	---	1	---	1	1
12	4219	Benzene, x,x,x-triethyl.....	2	---	2	1	---	---	---	1	---	---	---
13	3976	Benzene, 1,2,4-trimethyl.....	1	---	1	1	---	---	---	1	1	---	---
14	24106	Benzene, x,x,x-trimethyl- (a mixture).....	1	---	1	1	---	---	---	---	2	---	---
15	24887	Bicyclo[2.2.1]hepta-2,5-diene.....	1	1	1	1	1	---	---	2	1	---	---
16	36	Biphenyl.....	1	---	3	1	---	---	2	1	1	---	---
17	21616	<i>p,p'</i> -Bitolyl.....	1	---	1	---	---	1	---	---	---	---	---
18	25132	1-Buten-3-yne, 2-methyl.....	1	1	1	1	1	1	---	---	1	---	---
19	1775	Camphene.....	1	1	1	1	---	---	---	---	---	---	---
20	24696	Caryophyllene (mixed <i>alpha</i> - and <i>beta</i> -isomers).....	3	---	2	1	---	---	---	---	---	---	---
21	867	Chrysene.....	1	---	1	1	---	---	---	---	---	---	---
22	4630	Cumene.....	1	1	---	1	---	---	2	1	1	---	---
23	8222	Cyclohexane.....	2	2	---	---	1	1	1	2	2	---	---
24	25083	Cyclohexene, 3-(1-butenyl)-2,4,4-trimethyl.....	1	---	1	1	1	---	---	2	1	---	---
25	2272	<i>p</i> -Cymene.....	2	---	2	2	---	---	1	1	1	---	---
26	24107	Decane.....	1	1	1	2	---	---	---	---	---	---	---
27	3386	Dicyclopentadiene.....	1	1	1	1	---	1	---	---	---	---	---
28	23978	Dodecane.....	1	---	1	1	---	---	---	---	---	---	---
29	4341	Ethane, 1,1-diphenyl.....	1	1	3	1	---	1	---	---	---	---	---
30	25001-X	Eugenol terpenes (a complex mixture of terpenes having the general formula C ₁₀ H ₁₆).....	3	1	1	1	---	---	---	---	---	---	---
31	9074	Fluorene.....	1	---	3	1	---	---	---	---	---	---	---
32	31753	4(or 5)-Hexadecene.....	1	1	2	1	1	---	---	---	---	---	---
33	30528	1,5-Hexadiene, 2,5-dimethyl.....	1	1	1	1	1	---	---	---	---	---	---
34	24253	Hexane.....	1	---	---	---	---	---	---	---	---	---	---

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
HYDROCARBONS—Continued													
35	15370	Indene.....	1		1	1							
36	739	Limonene.....	1	1	3	1			2	1	1		
37	24486	<i>p</i> -Menthane.....	1		1	1							
38	23973	Mesitylene.....	1		1	1							
39	748	Methane, diphenyl.....	1		1	1		1	1	2			
40	2337	Methane, triphenyl.....	1		1	1							
41	738	Myrcene.....	1		1	2							
42	278	Naphthalene.....	1		3	1				2			
43	1256	Naphthalene, decahydro.....	1		1	1		1	1	2	1		
44	24403	Naphthalene, x,x-dimethyl.....			1	1							
45	1876	Naphthalene, 2,6-dimethyl.....			2	1							
46	15378	Naphthalene, 1-methyl.....	1		3	1				1	1		
47	17554	Naphthalene, 2-methyl.....	1		3	1							
48	1257	Naphthalene, 1,2,3,4-tetrahydro.....	1		1	1							
49	24483	Nopinene.....	1		1	1							
50	23976	Pentane, 2,2,4-trimethyl.....	1		2	1							
51	30049	1-Pentene, 2,4,4-trimethyl.....	1	1	1	1						1	1
52	16047	2-Pentene, 2,4,4-trimethyl.....	1	1	1	1							
53	18142	<i>alpha</i> -Phellandrene.....	1		1	2				2	2		
54	18142-a	<i>d-alpha</i> -Phellandrene.....	3		1								
55	18143	<i>beta</i> -Phellandrene.....	1		1								
56	18143-a	<i>d-beta</i> -Phellandrene.....	3		1								
57	790	Phenanthrene.....	1		1	1							
58	7582	<i>d</i> -Pinene.....	1		1	1			2				
59	24594	<i>alpha</i> -Pinene.....	1		1	1							
60	21617	Propane, 2,2-dimethyl-1,1-di- <i>p</i> -tolyl.....	1		1	1		1				1	1
61	23977	Pyrene.....	1		1	1							
62	24374	Styrene.....	1	1									
63	18133	Styrene, <i>alpha</i> -methyl.....					1						
64	860	<i>m</i> -Terphenyl.....			1	1							
65	1402	<i>o</i> -Terphenyl.....			1	1							
66	847	<i>p</i> -Terphenyl.....			1	1							
67	24378	Terpinolene.....	1	1	1	1							
68	23974	Toluene, <i>m-tert</i> -butyl.....	1		3	1				1	2		
69	21126	Undecane.....	1		1	1		1					
70	2209	Xylene.....	1										
GROUP 2.—ACIDS AND ACID ANHYDRIDES													
71	2394	Acetic acid.....	2			1				1			
72	16492	Acetic acid, <i>p-tert</i> -butylphenoxy.....	1										
73	23354	Acetic acid, (3,4-dimethoxyphenyl).....	1	1	1	1							
74	24145	Acetic acid, ethoxy.....	2	2				1					
75	24146	Acetic acid, <i>p</i> -ethoxyphenoxy.....	2										
76	24147	Acetic acid, (ethylenedioxy)di.....	2	2									
77	24152	Acetic acid, methoxy.....	1										
78	8920	Acetic acid, phenyl.....	1	1	1	1	1						
79	14615	Aconitic acid.....	1	2		1							
80	15717	Acrylic acid.....	2	2		1							
81	24163	<i>m</i> -Anisic acid.....	1	1									
82	20226	<i>o</i> -Anisic acid.....	1	1				1					
83	20787	<i>o</i> -Anisic acid, 3-methyl.....					1	1	1	1	1		
84	893	<i>p</i> -Anisic acid.....	1			1	1		1	1	1		
85	6299	Azelaic acid.....	1	1									
86	3710	Benzoic acid.....	3	1		1							
87	16490	Benzoic acid, <i>o</i> -(carboxymethoxy).....	2	2									
88	6193	Benzoic acid, <i>o</i> -ethoxy.....	2	2									
89	3110	Benzoic acid, <i>m</i> -hydroxy.....	1										
90	1003	Benzoic acid, <i>p</i> -hydroxy.....	1	2									
91	17970	Benzoic acid, <i>p</i> -isopropyl.....	1		1	1							
92	12067	Benzoic acid, <i>p</i> -pentyloxy.....				1							
93	21153	Benzoic acid, 3,4,5-trimethoxy.....	1	1	1	1		1					
94	15306	Butyric acid.....	1			1		1	1				
95	4629	Butyric acid, 2-ethyl.....	1	2	1								
96	21675	Butyric acid, 3-hydroxy.....			1	1		1				1	

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ACIDS AND ACID ANHYDRIDES—Con.											
97	24203	Butyric acid, 3-methoxy-----	1	1									
98	24202	Butyric acid, 2-methyl-----	1										
99	31627	Butyric acid, 3-piperonyl-----	2	1	2			1		2	2		
100	20453	Chrysanthemumic acid, <i>cis-dl</i> -----	1			1		1	2	2	2		
101	20888	Chrysanthemumic anhydride-----	1			1		1					
102	891	Cinnamic acid-----	1			1			1	1	1		
103	3747	Cinnamic acid, 3,4-methylenedioxy-----	2		1	1							
104	6286	Citric acid-----	2	1									
105	3711	Coumarilic acid-----	1	1	1	1	1						
106	6287	Crotonic acid-----	2	1		1							
107	1854	Cyclohexanecarboxylic acid-----	1	1	3	1							
108	6302	Cyclohexanecarboxylic acid, 1-hydroxy-----					1						
109	21681	Cyclohexanecarboxylic acid, 2-methyl-----			1	2		1					
110	14244	Cyclohexanepropionic acid-----	1	1	1	1							
111	20221	3-Cyclohexene-1-carboxylic acid, 6-methyl-----				1		1					
112	22626	4-Cyclohexene-1,2-dicarboxylic anhydride-----				1							
113	30542	Cyclopropanecarboxylic acid-----	2	2	2		1						
114	4453	Decanoic acid-----	1	1		2							
115	20117	2,4,8-Decatrienoic acid, 5,9-dimethyl-----	1					1					
116	24216	Diglycolic acid-----	2	1									
117	14249	Fencholic acid-----	1			1							
118	24237	Formic acid-----	1			1		1					
119	24236	Fumaric acid-----	1	2		1		1					
120	3662	2-Furanacrylic acid-----	1	1	1	1							
121	16500	2-Furoic acid-----	1	1	1	1							
122	24247	Glutaric acid-----	1	2		1		1					
123	15362	Glycolic acid-----	1	2									
124	2073	Heptanoic acid-----	1	1	1	1							
125	7701	Hexanoic acid-----	1			1			1				
126	24616	Hexanoic acid, 3-methoxy-----	1			1							
127	21981	Hydracrylic acid, 3-(<i>p</i> -methoxyphenyl)-2-phenyl-----	1	1	1	1		1				1	1
128	24260	Isobutyric acid-----	1			1			1				
129	24620	Isodextropimaric acid-----	1			1							
130	24132	Isovaleric acid-----	1		1	1		1	1				
131	16901	Itaconic acid-----	1	1									
132	3130	Lactic acid-----	1			1		1					
133	112	Lauric acid-----	2	1		1							
134	3377	Levulinic acid-----	1	2		1		1					
135	11010-a	Linoleic acid (natural) (<i>cis</i>)-----	2	2	2	1							
136	11010-b	Linoleic acid (<i>trans</i>)-----	1	1	2	1							
137	23986-a	Linolenic acid (natural) (<i>cis</i>)-----	2	2	2		1						
138	23986-b	Linolenic acid (<i>trans</i>)-----	1	2	2								
139	1002	Maleic acid-----	1	2		1		1					
140	24283	Maleic anhydride-----	1	2									
141	6292	Malic acid-----	1	1		1		1					
142	15724	Methacrylic acid-----	1	1	2	1							
143	6294	Mucic acid-----					1						
144	15381	Myristic acid-----	1	1	1								
145	16902	1-Naphthoic acid-----	1	2		1							
146	4164	Nonanoic acid-----	1	1	1	1							
147	30047	Nonanoic acid, 4-methyl-----	1	1	1	1							
148	21330	Nopinic acid-----	1		1								
149	19730	Octadecanoic acid, 12-hydroxy-----	1	1	1	1	1						
150	4162	Octanoic acid-----	1			1							
151	24619	Octanoic acid, 3-methoxy-5,7,7-trimethyl-----	1			1							
152	1291	Oleic acid-----	3	1	1	2			1				
153	1594	Palmitic acid-----					1						
154	2409	Phthalic acid-----	1	1									
155	4165	Pivalic acid-----	1										

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ACIDS AND ACID ANHYDRIDES—Con.											
156	4167	Propionic acid	2	1		1		1					
157	24366	beta-Resorcylic acid	1	2									
158	2407	Salicylic acid	1	2		1							
159	24368	Salicylic acid, 4-ethoxy-	1	1									
160	17391	Salicylic acid, 3-phenyl-					1						
161	23985	Seneciolic acid	1			1							
162	14851	Sorbic acid	1		1	1							
163	909	Stearic acid	1	1	1	2		1					
164	6297	Succinic acid	1	1		2		1					
165	24376	Syringic acid	1	1	1								
166	979	Tannic acid	2	2									
167	6298	D-Tartaric acid	1	1				1					
168	16108	Terephthalic acid	1	1	1	1							
169	15626	m-Toluic acid	1	1		1							
170	15625	o-Toluic acid	1	1	1								
171	15627	p-Toluic acid	1	2									
172	2280	Undecanoic acid	1	1				1					
173	2065	Undecenoic acid (isomer not known)	1	1				1					
174	8657	Valeric acid	1			1		1					
175	4161	Valeric acid, 4-methyl-	1	1	2	1		1	1				
176	19542	Vanillic acid	2	1		1		1					
		GROUP 3.—ALDEHYDES AND ACETALS											
177	24135	Acetal	2										
178	31167	Acetaldehyde						1					
179	24738	Acetaldehyde, allyl 2-ethylhexyl acetal					1			2	1		
180	24136	Acetaldehyde, bis(2,3-dihydroxypropyl) acetal	1	1									
181	31264	Acetaldehyde, 2-(2-butoxyethoxy)-ethoxyethyl alpha-ethylpiperonyl acetal	1	1	1	1						1	1
182	30277	Acetaldehyde, 2-(2-butoxyethoxy)ethyl butyl acetal	1	1	1	1	1						
183	30276	Acetaldehyde, 2-(2-butoxyethoxy)ethyl 2-(2-ethoxyethoxy)ethyl acetal	1	1	1	1	1						
184	30278	Acetaldehyde, 2-(2-butoxyethoxy)ethyl isobutyl acetal	1	1	1	1	1						
185	24741	Acetaldehyde, butyl 1,3-dimethylbutyl acetal					1				1		
186	31263	Acetaldehyde, butyl alpha-ethylpiperonyl acetal	2	2	2							1	1
187	24142	Acetaldehyde, butyl eugenyl acetal	2	2			1						
188	30280	Acetaldehyde, butyl heptyl acetal	1	1	1	1	1						
189	30286	Acetaldehyde, butyl p-methoxybenzyl acetal	1	1	1	1	1						
190	30274	Acetaldehyde, butyl 3-methoxybutyl acetal	1	2	1	1							
191	25067	Acetaldehyde, butyl 2-methyl-3-butyne-2-yl acetal	1		1	1	1				1		
192	30283	Acetaldehyde, butyl 1-methylheptyl acetal	1	1	1	1	1						
193	30290	Acetaldehyde, butyl 2-methyl-3-(3,4-methylenedioxyphenyl)propyl acetal					1						
194	24730	Acetaldehyde, butyl phenyl acetal			1		1			1	1		
195	24733	Acetaldehyde, butyl tetrahydrofuryl acetal			1		1				1		
196	24731	Acetaldehyde, cyclohexyl 2-methoxyethyl acetal			1		1			1	1		
197	22404	Acetaldehyde, dibutyl acetal				1	1		1		1		
198	24137	Acetaldehyde, dimethyl acetal	1	2				1					
199	31265	Acetaldehyde, 2-[2-(2-ethoxyethoxy)-ethoxy]ethyl alpha-ethylpiperonyl acetal	1	2	1	1						1	1
200	30279	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl heptyl acetal	1	1	1	1	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
201	30285	ALDEHYDES AND ACETALS—Continued											
202	30273	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl <i>p</i> -methoxybenzyl acetal	1	1	1	1	1						
203	30100	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl 3-methoxybutyl acetal	1	1	1	1	1						
204	30282	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl 1-methylheptyl acetal	1	1	1		1						
205	31664	Acetaldehyde, 2-(2-ethoxyethoxy)ethyl 1-piperonyl ethyl acetal	1	1	1	1							
206	24739	Acetaldehyde, ethyl 1,3-dimethylbutyl acetal					1						
207	24736	Acetaldehyde, ethyl geranyl acetal			1		1				1		
208	24732	Acetaldehyde, 2-ethylhexyl methyl acetal			2		1			2	1		
209	24740	Acetaldehyde, ethyl <i>p</i> -methoxyphenyl acetal					1				1		
210	24734	Acetaldehyde, ethyl 1-methylheptyl acetal					1				1		
211	21892	Acetaldehyde, ethyl phenyl acetal	1		3	1	1				1		
212	24143	Acetaldehyde, eugenyl isopropyl acetal	2	1		1	1					1	1
213	30281	Acetaldehyde, isobutyl heptyl acetal	1	1	1	1	1						
214	30287	Acetaldehyde, isobutyl <i>p</i> -methoxybenzyl acetal	1	1	1	1	1						
215	30275	Acetaldehyde, isobutyl 3-methoxybutyl acetal	1	1	1	1							
216	30288	Acetaldehyde, isobutyl <i>m</i> -methylbenzyl acetal	1	1	1	1							
217	30284	Acetaldehyde, isobutyl 1-methylheptyl acetal	1	1	1		1						
218	21908	Acetaldehyde, isobutyl phenyl acetal	2	1	3	1	1	1				1	1
219	30289	Acetaldehyde, isobutyl 6-propylpiperonyl acetal	1				1						
220	30006	Acetaldehyde, isobutyl <i>p</i> -tolyl acetal	1	2	3	1						1	1
221	24737	Acetaldehyde, isopropyl phenethyl acetal				1	1				1		
222	24735	Acetaldehyde, tetrahydrofurfuryl 2-methoxyethyl acetal				1							
223	2175	Acetaldehyde, phenyl-	1	1	1	1							
224	30257	Acetaldehyde, phenyl-, diethyl acetal	1	1	1	1	1						
225	2444	Acetaldehyde, phenyl-, dimethyl acetal	1	1	3	1						1	1
226	24784-X	Acetaldehyde, <i>p</i> -tolyl- (50-percent in alcohol)	1		1								
227	24160	Acrolein	1	2									
228	24768	Acrolein, 3-(3-cyclohexen-1-yl)-2-methyl-	1		1		1			1	2		
229	24350	Acrolein, 3-methoxy-, dimethyl acetal	1	1									
230	24759	Acrolein, 2-methyl-3-(5-norbornen-2-yl)-	1		1						1		
231	25253-X	Adipaldehyde, 2-hydroxy- (25-percent solution)	1	1	1	1				1			
232	18874	Aldol	2	1									
233	21324	<i>m</i> -Anisaldehyde, 2-(allyloxy)-	1		2	1		1					
234	21261	<i>m</i> -Anisaldehyde, 4-(allyloxy)-	3		1	1		1					
235	21325	<i>m</i> -Anisaldehyde, 2-butoxy-	2		1	1				2	1	1	1
236	21262	<i>m</i> -Anisaldehyde, 4-butoxy-	3		1	1							
237	21326	<i>m</i> -Anisaldehyde, 2-ethoxy-	2		2	1		1					
238	21263	<i>m</i> -Anisaldehyde, 4-ethoxy-	3	1	2	1		1				1	1
239	21264	<i>m</i> -Anisaldehyde, 4-isopentyloxy-	3		2								
240	21327	<i>m</i> -Anisaldehyde, 2-isopropoxy-	2										
241	21265	<i>m</i> -Anisaldehyde, 4-pentyloxy-	3			1		1					
242	21328	<i>m</i> -Anisaldehyde, 2-propoxy-	2		2	1				2	1		
243	21266	<i>m</i> -Anisaldehyde, 4-propoxy-	2			1		1		1	1		
244	21329	<i>m</i> -Anisaldehyde, 2-(2-propynyloxy)-	1		1	1		1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
245	21267	ALDEHYDES AND ACETALS—Continued											
246	1375	<i>m</i> -Anisaldehyde, 4-(2-propynyloxy)-----	2			1		1					
247	30295	<i>o</i> -Anisaldehyde-----	1	1	1	1							
248	21227	<i>o</i> -Anisaldehyde, diethyl acetal-----	1	1	1	1	1						
249	223	<i>o</i> -Anisaldehyde, 3-ethoxy-----			2	2		1					
250	6443	<i>p</i> -Anisaldehyde-----	1			1		1	1	2	1		
251	18439	<i>p</i> -Anisaldehyde, diethyl acetal-----	1	1	1	1							
252	9931	<i>d</i> -Arabinose-----	1	2									
253	5767	Benzaldehyde-----	1	1	1	1		1	1				
254	30296	Benzaldehyde, <i>o</i> -(allyloxy)-----	1	1	1	1							
		Benzaldehyde, <i>o</i> -(allyloxy)-, diethyl acetal-----		2	1	1	1						
255	21006	Benzaldehyde, 2-(allyloxy)-3-ethoxy-----	3		2	1	1	1	2	1	1		
256	21231	Benzaldehyde, 2-butoxy-2-ethoxy-----			2	1				1	1		
257	21228	Benzaldehyde, 2,3-diethoxy-----			2	1							
258	21268	Benzaldehyde, 2,4-diethoxy-----	1			1		1					
259	2069	Benzaldehyde, 3,4-diethoxy-----	2	2									
260	21269	Benzaldehyde, 2,4-dimethoxy-----	1			1		1					
261	1358	Benzaldehyde, <i>o</i> -ethoxy-----	1										
262	21270	Benzaldehyde, 2-(or 4)ethoxy-4-(or 2)-hydroxy-----	1		1	1		1					
263	786	Benzaldehyde, 3-ethoxy-4-hydroxy-----	3	2									
264	21232	Benzaldehyde, 3-ethoxy-2-isobutoxy-----			2	1		1					
265	21234	Benzaldehyde, 3-ethoxy-2-isopentyloxy-----			2	1							
266	21233	Benzaldehyde, 3-ethoxy-2-pentyloxy-----			2	1		1					
267	21229	Benzaldehyde, 3-ethoxy-2-propoxy-----			2	1							
268	21230	Benzaldehyde, 3-ethoxy-2-(2-propynyloxy)-----			1	1							
269	12120	Benzaldehyde, <i>m</i> -hydroxy-----	1	1									
270	15366	Benzaldehyde, <i>p</i> -hydroxy-----	1	1	1	1							
271	1853	Benzaldehyde, <i>p</i> -isopropyl-----	1	1	3	1							
272	30256	Benzaldehyde, <i>p</i> -isopropyl-, diethyl acetal-----	1	1	1	1	1					1	1
273	5765	Benzaldehyde, <i>o</i> -(2-methylallyloxy)-----	1	1	1	1							
274	30338	Benzaldehyde, <i>o</i> -(2-methylallyloxy)-, diethyl acetal-----	1	1	1	1	1						
275	24198	Butyraldehyde-----	1					1					
276	25052-X	Butyraldehyde, 3-(2-methoxyethoxy)-2-oxo-, hydrate (55-percent aqueous solution)-----	1	1	1	1							
277	25051-X	Butyraldehyde, 3-methoxy-2-oxo-, hydrate (57-percent aqueous solution)-----	1	1	1	1							
278	473	Cinnamaldehyde-----	1	1	1	1		1	1	1	1		
279	6442	Cinnamaldehyde, diethyl acetal-----	1	1	1	1	1						
280	5096	Cinnamaldehyde, <i>alpha</i> -hexyl-----	1	1	1	2		1					
281	658	Cinnamaldehyde, <i>alpha</i> -pentyl-----	1	1	1	1							
282	24760	Cinnamaldehyde, <i>alpha</i> -propyl-----	2		1		1				1		
283	1011	Citral-----	3		1	1		1	2	1	1		
284	25078	Citral, diethyl acetal-----	1		1	1	1				1		
285	203	Citronellal-----	1			1	1		2	1	1		
286	18303	Crotonaldehyde-----	1	1									
287	24743	Cyclohexanecarboxaldehyde, 4-(and 3)-isohexyl-1-methyl-----			1	1	1				1		
288	21661	3-Cyclohexene-1-carboxaldehyde-----			1	1		1		1	2	1	1
289	30272	3-Cyclohexene-1-carboxaldehyde, diethyl acetal-----	1	1		1	1						
290	30297	3-Cyclohexene-1-carboxaldehyde, 1-methyl-, diethyl acetal-----	1	2	1	1	1						
291	21662	3-Cyclohexene-1-carboxaldehyde, 6-methyl-----			1	1		1				1	1
292	24742	3-Cyclohexene-1-carboxaldehyde, 1-methyl-4-(and 3)-(4-methyl-3-pentenyl)- (a mixture of isomers)-----			1	1	1				1		

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
293	24746	ALDEHYDES AND ACETALS—Continued 3-Cyclohexene-1-carboxaldehyde, 1,4,5-trimethyl-2-(2-methyl-1-propenyl)- and 3-cyclohexene-1-carboxaldehyde, 1,2,3-trimethyl-5-(2-methyl-1-propenyl)-					1				1		
294	4860	Decanal	2	2	2	2							
295	9328	Dextrose	1	1				1					
296	2459	Dodecanal	1	1	1	1							
297	24217	Eicosanal	2										
298	25046	2-Furanglyoxylaldehyde, hydrate	1	1	1	1							
299	9083	Galactose	1	1									
300	25252	Glutaraldehyde (25-percent solution)	1	1	2	1							
301	24475	Glyceraldehyde		1									
302	24108	Glyoxal	1			1							
303	25047	Glyoxal, (4-hydroxy-3-methoxyphenyl)-, hydrate	2	1	1	1							
304	25049	Glyoxal, (<i>m</i> -methoxyphenyl)-, hemihydrate	1			1							
305	25045	Glyoxal, (<i>p</i> -methoxyphenyl)-, hydrate	1	1	1	1							
306	24250	Heptadecanal	3										
307	2066	Heptanal	1	1	1	1		1	1				
308	25064	Heptanal, diethyl acetal	1	1	1	1							
309	24252	Hexadecanal	2										
310	15364	Hexanal	1										
311	24617	Hexanal, 3-methoxy-, dimethyl acetal	1			1							
312	24745	1,6-Hexanedial, 2,5-dimethyl-			1	1							
313	24649	2-Hexenal	1			1	1			1	2		
314	2934	Hydratropaldehyde	1	1	1	1					1		
315	1377	Hydrocinnamaldehyde	1	1	1	1							
316	3941	Hydrocinnamaldehyde, <i>p</i> -isopropyl- <i>alpha</i> -methyl-	2										
317	15311	Isobutyraldehyde	2	1				1					
318	16106	Isovaleraldehyde	2			1							
319	24290	Myristicaldehyde	1										
320	4859	Nonanal	1	1	2	1							
321	3961	Octanal	1					1					
322	5823	Octanal, 7-hydroxy-3,7-dimethyl-	1	1	1	1			1				
323	5824	Octanal, 7-hydroxy-3,7-dimethyl-, dimethyl acetal	1										
324	24690	4-Pentenal			1	1							
325	147	Piperonal	1	1									
326	19955	Piperonal, diethyl acetal	1	2	1	1		1		1	1		
327	16114	Propionaldehyde	1										
328	24118	Pyrvaldehyde (46-percent aqueous solution)	2			1							
329	20371	Pyrvaldehyde, diisopropyl acetal	1			1							
330	25053	Pyrvaldehyde, 3-ethoxy-, hydrate (40-percent aqueous solution)	1	1	1	1							
331	24367	<i>beta</i> -Resorcyraldehyde	1	1	1	2							
332	2174	Salicylaldehyde	1										
333	31400	Salicylaldehyde, 3-(2-methylallyl)-	2	1	1	1			1				
334	31142	Sorbaldehyde	1	1	1	1	1						
335	24379	Tiglaldehyde	1	1									
336	2278	<i>m</i> -Tolualdehyde	1	1	1	1		1					
337	21918	<i>o</i> -Tolualdehyde	1		1	1		1					
338	20554	<i>o</i> -Tolualdehyde, diethyl acetal	1	1	1	1		1				1	1
339	24380	<i>p</i> -Tolualdehyde	1										
340	5098	Undecanal	1	1	1	1							
341	3960	Undecanal, 2-methyl-	2										
342	3940	10-Undecenal	1	1	1	1							
343	30050	Valeraldehyde, 4-methyl-	2	1	1	1	1						
344	93	Vanillin	2		1	1							
345	11276	<i>o</i> -Vanillin	2	1						1	1		

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ALDEHYDES AND ACETALS—Continued											
346	8099	Veratraldehyde	3	2	2	1	1	1					
347	30255	Veratraldehyde, diethyl acetal	2	1	1	1	1						
348	141	o-Veratraldehyde	1	1	1	1							
349	24159	Vetiveral	2	1									
		GROUP 4.—ESTERS AND LACTONES											
350	22625	Acetic acid, allyl ester	1	2									
351	1996	Acetic acid, benzyl ester	1	1	3	1	1	1					
352	665	Acetic acid, bornyl ester	2		2								
353	406	Acetic acid, butyl ester	1										
354	1265	Acetic acid, cinnamyl ester	1										
355	3294	Acetic acid, cyclohexyl ester	1	1	3	1	1	1					
356	11098	Acetic acid, decyl ester	1		2								
357	11595	Acetic acid, dodecyl ester	1		1								
358	2072	Acetic acid, heptyl ester			2	1		1	1	2	1		
359	2940	Acetic acid, isobornyl ester	1		2								
360	15305	Acetic acid, isobutyl ester			1								
361	30725	Acetic acid, isooctyl ester	3	1	3								
362	576	Acetic acid, isopentyl ester	1					1					
363	17634	Acetic acid, isopropenyl ester		1									
364	4097	Acetic acid, <i>p</i> -methoxybenzyl ester	1		1								
365	21921	Acetic acid, 3-methoxybutyl ester	2		1	1	1	1				1	1
366	15377	Acetic acid, methyl ester	2	1					1				
367	11583	Acetic acid, nonyl ester	1		1								
368	11269	Acetic acid, octyl ester	2	2	2	1	1						
369	2729	Acetic acid, pentyl ester	1					1					
370	3878	Acetic acid, phenethyl ester	1					1					
371	24156	Acetic acid, propyl ester	1	3	1								
372	4169	Acetic acid, <i>m</i> -tolyl ester					1						
373	4168	Acetic acid, <i>o</i> -tolyl ester					1						
374	1266	Acetic acid, <i>p</i> -tolyl ester	1	2	1	1		1					
375	3928	Acetic acid, 10-undecenyl ester			1								
376	24138	Acetic acid, undecyl ester	1				1						
377	18437	Acetic acid, vinyl ester	1	2									
378	21696	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, allyl ester	1		1	1	1	1		1	2	1	1
379	21462	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, butyl ester	1					1				1	1
380	21695	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, isobutyl ester	1		1	1	1	1		2	2	1	1
381	21698	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, isopentyl ester	1		1	1	1			1	1	1	1
382	21694	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, isopropyl ester	1		1	1	1			2	2	1	1
383	21700	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, 2-methoxyethyl ester	1		1	1	1	1		2	2	1	1
384	4801	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, methyl ester	1		1	1	1			2	1		
385	21697	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, pentyl ester	1		1	1	1	1		1	2	1	1
386	21461	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, propyl ester	1			1	1	1		1	1	1	1
387	21465	Acetic acid, (<i>p</i> - <i>tert</i> -butylphenoxy)-, 2-propynyl ester	1	1	1	1	1	1					
388	10593	Acetic acid, (<i>p</i> -methoxyphenoxy)-, ethyl ester	1	1	1	1			1	2	2		
389	31105	Acetic acid, (<i>p</i> -methoxyphenyl)-, benzyl ester	1	1	1	1							
390	31101	Acetic acid, (<i>p</i> -methoxyphenyl)-, butyl ester	1	1	1	1							
391	31111	Acetic acid, (<i>p</i> -methoxyphenyl)-, cyclohexyl ester	2	2	2	1							
392	31085	Acetic acid, (<i>p</i> -methoxyphenyl)-, ethyl ester	1	2	1	1	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
393	31103	ESTERS AND LACTONES—Continued											
		Acetic acid, (<i>p</i> -methoxyphenyl)-, isobutyl ester	1	2	1	1							
394	31079	Acetic acid (<i>p</i> -methoxyphenyl)-, isopropyl ester	1	2	1	1	1						
395	31078	Acetic acid, (<i>p</i> -methoxyphenyl)-, propyl ester	2	2	1	1	1						
396	30388	Acetic acid, (3,4-methylenedioxyphenyl)-, methyl ester	1		1								
397	22347	Acetic acid, phenoxy-, allyl ester				1	1	1	2		2		
398	22346	Acetic acid, phenoxy-, cyclohexyl ester	1	1	1	1	1						
399	22726	Acetic acid, phenoxy-, cyclopentyl ester				1	1						
400	30918	Acetic acid, phenoxy-, 2,2-dimethylpentyl ester	1	1	1	1	1						
401	31127	Acetic acid, phenoxy-, heptyl ester	1	1	1	2						1	1
402	14741	Acetic acid, phenoxy-, hexyl ester	1	1	1		1						
403	22345	Acetic acid, phenoxy-, isobutyl ester	1	1	1	1	1	1					
404	21969	Acetic acid, phenoxy-, 3-methoxybutyl ester	1	1	1	1	1	1				1	1
405	22363	Acetic acid, phenoxy-, 2-methoxy-1-methylethyl ester	1	1	1	2	1	1					
406	22348	Acetic acid, phenoxy-, phenethyl ester					1						
407	22352	Acetic acid, phenoxy-, 2-phenoxyethyl ester	1	1	1	1	1	1					
408	22342	Acetic acid, phenoxy-, propyl ester				1	1						
409	31353	Acetic acid, phenoxy-, 2-propylheptyl ester	2	1	1	1						1	1
410	22341	Acetic acid, phenoxy-, 2-propynyl ester	1	1	1	1	1	1					
411	21188	Acetic acid, phenoxy-, tetrahydropyran-2-ylmethyl ester	1			1	1	1					
412	22225	Acetic acid, phenyl-, allyl ester				1	1	1	1		2		
413	30252	Acetic acid, phenyl-, <i>o</i> -allyloxybenzyl ester					1						
414	20136	Acetic acid, phenyl-, <i>alpha</i> -allylpiperonyl ester	2		1	1	1	1					
415	2943	Acetic acid, phenyl-, benzyl ester	1	1	1	1	1						
416	30264	Acetic acid, phenyl-, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1						
417	30458	Acetic acid, phenyl-, 2-butoxyethyl ester	1		2	1	1					1	1
418	2942	Acetic acid, phenyl-, butyl ester	1	1	2	1						1	1
419	30322	Acetic acid, phenyl-, <i>sec</i> -butyl ester	2	2	1	1	1						
420	20102	Acetic acid, phenyl-, 4-butyloctyl ester	1			1	1						
421	30327	Acetic acid, phenyl-, 2-(<i>o</i> - <i>sec</i> -butylphenoxy)-1-methylethyl ester	1	1	1	1	1						
422	30329	Acetic acid, phenyl-, 2-(<i>p</i> - <i>sec</i> -butylphenoxy)-1-methylethyl ester	1	1	1		1						
423	30351	Acetic acid, phenyl-, 2-(<i>p</i> - <i>tert</i> -butylphenoxy)-1-methylethyl ester					1						
424	20516	Acetic acid, phenyl-, <i>alpha</i> - <i>tert</i> -butylpiperonyl ester				1	1	1					
425	11578	Acetic acid, phenyl-, cyclohexyl ester	3				1						
426	22722	Acetic acid, phenyl-, cyclopentyl ester	2	2	2	1	1						
427	30391	Acetic acid, phenyl-, 2,4-dimethylbenzyl ester	1		1		1						
428	30251	Acetic acid, phenyl-, 3,4-dimethylbenzyl ester	1	1	1	1	1						
429	20101	Acetic acid, phenyl-, 1,3-dimethylbutyl ester	2			1	1	1					
430	30916	Acetic acid, phenyl-, 2,3-dimethylpentyl ester	1	1	2	1	1						
431	24155	Acetic acid, phenyl-, ester with santalol	1	1	1								
432	21338	Acetic acid, phenyl-, <i>p</i> -ethoxybenzyl ester	1	1	1	1	1	1					
433	30263	Acetic acid, phenyl-, 2-ethoxyethyl ester	1	1	1	1	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
434	30294	ESTERS AND LACTONES—Continued											
		Acetic acid, phenyl-, 2-(<i>p</i> -ethoxyphenyl)-ethyl ester	1	1	1	1	1						
435	654	Acetic acid, phenyl-, ethyl ester	1			1	1			1			
436	20103	Acetic acid, phenyl-, 2-ethylhexyl ester	1				1	1					
437	20092	Acetic acid, phenyl-, 1-ethylpentyl ester	1	1	1	1	1	1					
438	30326	Acetic acid, phenyl-, 1-ethylpropyl ester	1	1	1	1	1						
439	24148	Acetic acid, phenyl-, geranyl ester	1										
440	19339	Acetic acid, phenyl-, heptyl ester	1		2	2	1						
441	22219	Acetic acid, phenyl-, hexyl ester	2	1	2	1	1						
442	1969	Acetic acid, phenyl-, isobutyl ester	1				1						
443	20100	Acetic acid, phenyl-, 1-isobutyl-3-methylbutyl ester	1				1	1					
444	20616	Acetic acid, phenyl-, <i>alpha</i> -isopropyl-piperonyl ester					1	1					
445	21968	Acetic acid, phenyl-, 2-methoxybutyl ester	2	1	1	1	1	1				1	1
446	30268	Acetic acid, phenyl-, 2-(2-methoxyethoxy)ethyl ester	1	1	1	1	1						
447	22220	Acetic acid, phenyl-, 2-methoxyethyl ester	1	1	1	1	1						
448	22361	Acetic acid, phenyl-, 2-methoxy-1-methylethyl ester	1	1	1	2	1						
449	1971	Acetic acid, phenyl-, methyl ester	1		1	1		1		2	1		
450	30168	Acetic acid, phenyl-, <i>m</i> -methylbenzyl ester	1		2	1	1					1	
451	24149	Acetic acid, phenyl-, <i>p</i> -methylbenzyl ester	1										
452	30265	Acetic acid, phenyl-, 6-methyl-3-cyclohexen-1-ylmethyl ester					1						
453	22221	Acetic acid, phenyl-, 4-methylcyclohexyl ester					1						
454	31398	Acetic acid, phenyl-, 3,4-methylenedioxyphenyl ester	2	1	1	1							
455	20104	Acetic acid, phenyl-, 2-methylpentyl ester	1			1	1	1					
456	30320	Acetic acid, phenyl-, 1-methyl-2-phenoxyethyl ester	1	1	1	1	1						
457	20718	Acetic acid, phenyl-, <i>alpha</i> -methyl-piperonyl ester				1	1	1					
458	24153	Acetic acid, phenyl-, octyl ester	2	1	1								
459	24154	Acetic acid, phenyl-, pentyl ester	1		1								
460	20106	Acetic acid, phenyl-, phenethyl ester	1	1		1	1	1					
461	20615	Acetic acid, phenyl-, <i>alpha</i> -phenethyl-piperonyl ester					1	1					
462	22222	Acetic acid, phenyl-, 2-phenoxyethyl ester	2	2	1	1	1						
463	20105	Acetic acid, phenyl-, 3-phenylpropyl ester	1		1		1	1					
464	20614	Acetic acid, phenyl-, <i>alpha</i> -(3-phenylpropyl)piperonyl ester	1				1	1					
465	20517	Acetic acid, phenyl-, piperonyl ester	1	1	1	2	1	1					
466	22217	Acetic acid, phenyl-, propyl ester	2	2	2	1	1	1					
467	16016	Acetic acid, phenyl-, 6-propylpiperonyl ester				1							
468	22340	Acetic acid, phenyl-, 2-propynyl ester					1						
469	22224	Acetic acid, phenyl-, tetrahydrofurfuryl ester	2	1	2	1	1	1					
470	21183	Acetic acid, phenyl-, tetrahydropyran-2-ylmethyl ester	1			1	1	1					
471	17242	Acetic acid, phenyl-, <i>m</i> -tolyl ester	1	2	1	1	1	1					
472	17243	Acetic acid, phenyl-, <i>p</i> -tolyl ester	1	1	1	1	1	1					
473	20996	Acetic acid, <i>p</i> -tolyl-, <i>alpha</i> -allylpiperonyl ester	1			1		1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ESTERS AND LACTONES—Continued													
474	676	Acetin, di-	2	1			1						
475	24158	Acetin, mono-	1	1									
476	661	Acetin, tri-	1										
477	6229	Acetoacetic acid, benzyl ester	2	1	1		1						
478	25081	Acetoacetic acid, 3,7-dimethyl-6-octen-1-yn-3-yl ester	1		1	1	1			1	1		
479	66	Acetoacetic acid, ethyl ester	2	1	2	1	1	1					
480	25068	Acetoacetic acid, 2-methyl-3-buten-2-yl ester	1		1	1	1				1		
481	25066	Acetoacetic acid, 2-methyl-3-buten-2-yl ester	1	1	1	1	1				1		
482	30045	Acetoacetic acid, 2-sec-butyl-, ethyl ester	1	1	1	1	1			1	1	1	1
483	5606	Acetoacetic acid, 2-methyl-, ethyl ester			1	1	1						
484	20471	Acetoacetic acid, 4-phenyl-, ethyl ester	1	1	1	1	1	1					
485	2356	Acetylsalicylic acid, methyl ester	1	1	1	1	1	1					
486	15698	Acrylic acid, allyl ester	2	2									
487	15734	Acrylic acid, ethyl ester	2	2									
488	15715	Acrylic acid, methyl ester	2	2									
489	10548	Acrylic acid, 3-benzoyl-, ethyl ester	1	1	1	1							
490	30082	Acrylic acid, 3-(<i>o</i> -methoxyphenyl)-2-phenyl-, methyl ester				1						1	1
491	30080	Acrylic acid, 3-(<i>p</i> -methoxyphenyl)-2-phenyl-, methyl ester	1	1	1							1	1
492	21699	Acrylic acid, 3-(3,4-methylenedioxyphenyl)-2-phenyl-, ethyl ester					1	1				1	1
493	21732	Acrylic acid, 3-(3,4-methylenedioxyphenyl)-2-phenyl-, methyl ester	1		1								
494	6065	Adipic acid, diallyl ester	1	1	1	1							
495	31147	Alantolactone					1						
496	30957	Ambrettolic acid, lactone	1	1	1	1	1						
497	30253	<i>m</i> -Anisic acid, <i>p</i> -(2-methylallyl)-, methyl ester					1						
498	20040	<i>o</i> -Anisic acid, allyl ester					1	1					
499	15995	<i>o</i> -Anisic acid, butyl ester	2				1						
500	30234	<i>o</i> -Anisic acid, ethyl ester	2	1	1	1						1	1
501	680	<i>o</i> -Anisic acid, methyl ester	3	1		1	1	1	1	2	1		
502	20051	<i>o</i> -Anisic acid, phenethyl ester	1			1	1						
503	30644	<i>p</i> -Anisic acid, allyl ester	1	1	1	1	1					1	
504	30648	<i>p</i> -Anisic acid, benzyl ester	1	1	1	1	1						
505	30645	<i>p</i> -Anisic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1						
506	30610	<i>p</i> -Anisic acid, 2-butoxyethyl ester	2	2	1	1	1						
507	30597	<i>p</i> -Anisic acid, <i>sec</i> -butyl ester	1	1	1	1	1						
508	17151	<i>p</i> -Anisic acid, <i>p</i> -tert-butylphenyl ester					1						
509	17153	<i>p</i> -Anisic acid, cyclohexyl ester					1						
510	17154	<i>p</i> -Anisic acid, <i>o</i> -cyclohexylphenyl ester					1						
511	22724	<i>p</i> -Anisic acid, cyclopentyl ester					1						
512	30728	<i>p</i> -Anisic acid, decyl ester	1	1	2	1	1						
513	23818	<i>p</i> -Anisic acid, diester with resorcinol	1	1	1	1	1						
514	30390	<i>p</i> -Anisic acid, 2,4-dimethylbenzyl ester	1		1		1						
515	30203	<i>p</i> -Anisic acid, 3,4-dimethylbenzyl ester	2	1	1	1	1					1	1
516	31389	<i>p</i> -Anisic acid, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1							
517	30917	<i>p</i> -Anisic acid, 2,2-dimethylpentyl ester	1	1	1	1	1						
518	648	<i>p</i> -Anisic acid, ethyl ester	1		1	1	1						
519	30643	<i>p</i> -Anisic acid, 2-ethylbutyl ester	1	1	1	1	1						
520	30601	<i>p</i> -Anisic acid, 1-ethylpentyl ester	1	1	1	1	1						
521	17152	<i>p</i> -Anisic acid, <i>p</i> -ethylphenyl ester	1	1	1		1	1					
522	19820	<i>p</i> -Anisic acid, 1-ethylpropyl ester					1	1					
523	30609	<i>p</i> -Anisic acid, heptyl ester	1	1	1	1	1	1					
524	19797	<i>p</i> -Anisic acid, hexyl ester	1		1			1					
525	21972	<i>p</i> -Anisic acid, 3-methoxybutyl ester	2	1	1	1		1				1	1
526	30607	<i>p</i> -Anisic acid, 2-methoxyethyl ester	1	1	1	1	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ESTERS AND LACTONES—Continued													
527	229	<i>p</i> -Anisic acid, methyl ester	1	1	2	1	1	1					
528	30084	<i>p</i> -Anisic acid, <i>m</i> -methylbenzyl ester	1	1	1	1	1			1	1	1	1
529	19813	<i>p</i> -Anisic acid, 2-methylpentyl ester	1		1		1	1					
530	30596	<i>p</i> -Anisic acid, nonyl ester	1	2	1	1	1						
531	30650	<i>p</i> -Anisic acid, octyl ester	2	2	1	1	1						
532	17155	<i>p</i> -Anisic acid, phenethyl ester					1						
533	17075	<i>p</i> -Anisic acid, phenyl ester					1						
534	31013	<i>p</i> -Anisic acid, piperonyl ester					1						
535	6075	<i>p</i> -Anisic acid, propyl ester			1		1						
536	31358	<i>p</i> -Anisic acid, 2-propylheptyl ester	1	1	1	1						1	1
537	30660	<i>p</i> -Anisic acid, 2-propynyl ester	1	1	1	1	1						
538	17150	<i>p</i> -Anisic acid, <i>m</i> -tolyl ester					1						
539	30035	<i>p</i> -Anisic acid, 3-allyl-, methyl ester	2	1	1	1							
540	30231	<i>p</i> -Anisic acid, 3-(2-methylallyl)-, methyl ester					1						
541	20576	Anisyl alcohol, <i>alpha</i> -propyl-, formate					1			2	2		
542	17879	1,2,4-Benzenetriol, triacetate	2	2									
543	20247	Benzhydrol, 3,4-methylenedioxy-, acetate											
544	20518	Benzhydrol, 4-methoxy-, acetate	2	1	2	1	1	1					
545	7823	Benzoic acid, allyl ester	1	1	3		1						
546	523	Benzoic acid, benzyl ester	1	1	1	1	1	1					
547	6067	Benzoic acid, cyclopentyl ester	1				1			2	1		
548	1352	Benzoic acid, ethyl ester	1	1	3	1	1	1					
549	1267	Benzoic acid, isobutyl ester	1		2	1	1		1				
550	21932	Benzoic acid, 2-methoxybutyl ester	1	1	1	1		1				1	1
551	525	Benzoic acid, methyl ester	1					1					
552	19697	Benzoic acid, 1-naphthyl ester					1	1					
553	30588	Benzoic acid, nonyl ester	1	2	1	1	1	1					
554	30501	Benzoic acid, octyl ester	1		2	1	1					1	1
555	7998	Benzoic acid, pentyl ester	2		2								
556	14041	Benzoic acid, 2-phenoxyethyl ester	2		1		1						
557	4731	Benzoic acid, phenyl ester	1	1	1	1							
558	4567	Benzoic acid, tetrahydrofurfuryl ester	1	1									
559	3809	Benzoic acid, <i>o</i> -tolyl ester					1						
560	30705	Benzoic acid, undecyl ester	1	1	1	1	1						
561	21002	Benzoic acid, 3-allyl-2-ethoxy-, methyl ester	2		1	1	1	1					
562	30036	Benzoic acid, 3-allyl-4-ethoxy-, methyl ester	2	1	1	1							
563	21334	Benzoic acid, 2-(allyloxy)-3-ethoxy-, ethyl ester	2		1		1					1	1
564	21413	Benzoic acid, <i>m</i> -(allyloxy)-, methyl ester	1			1	1	1				1	1
565	21001	Benzoic acid, <i>o</i> -(allyloxy)-, methyl ester	1		1	1	1	1					
566	21704	Benzoic acid, <i>p</i> -(allyloxy)-, methyl ester	1		1	1	1	1		1	1	1	1
567	21551	Benzoic acid, <i>m</i> - <i>sec</i> -butoxy-, methyl ester	2		1	1	1	1				1	1
568	21552	Benzoic acid, <i>p</i> - <i>sec</i> -butoxy-, methyl ester					1	1					
569	20682	Benzoic acid, <i>p</i> - <i>tert</i> -butyl-, ethyl ester	1	1	1	1	1	1					
570	21414	Benzoic acid, <i>p</i> - <i>tert</i> -butyl-, methyl ester	1			1		1				1	1
571	20700	Benzoic acid, <i>p</i> - <i>tert</i> -butyl-, propyl ester	1	1	1	1	1	1					
572	31503	Benzoic acid, 2,4-dihydroxy-, methyl ester	2	1	1	1							
573	30232	Benzoic acid, 2,4-dimethoxy-, methyl ester	3	2	1	1	1						
574	20699	Benzoic acid, <i>m</i> -ethoxy-, ethyl ester	2	2	1	2	1	1					
575	21310	Benzoic acid, <i>m</i> -ethoxy-, methyl ester	2		1	1			1	1	1		
576	20296	Benzoic acid, <i>o</i> -ethoxy-, allyl ester					1	1	1	1	1		
577	18941	Benzoic acid, <i>o</i> -ethoxy-, benzyl ester	1	1	1		1						
578	20361	Benzoic acid, <i>o</i> -ethoxy-, 2-(2-butoxyethoxy)ethyl ester				1	1	1					
579	19069	Benzoic acid, <i>o</i> -ethoxy-, <i>sec</i> -butyl ester					1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
580	19446	ESTERS AND LACTONES—Continued											
581	18944	Benzoic acid, <i>o</i> -ethoxy-, <i>p</i> -tert-butyl-phenyl ester	1	1	1	1	1	1		2	1		
582	19216	Benzoic acid, <i>o</i> -ethoxy-, cyclohexyl ester	1	1	1	1	1						
583	22727	Benzoic acid, <i>o</i> -ethoxy-, 2-cyclohexylethyl ester	2	1	1		1						
584	20295	Benzoic acid, <i>o</i> -ethoxy-, cyclopentyl ester	2	1	1	1	1						
585	19214	Benzoic acid, <i>o</i> -ethoxy-, ethyl ester					1	1					
586	19213	Benzoic acid, <i>o</i> -ethoxy-, 1-ethylpentyl ester	1	1	1		1						
587	19068	Benzoic acid, <i>o</i> -ethoxy-, heptyl ester					1						
588	19217	Benzoic acid, <i>o</i> -ethoxy-, isobutyl ester	1	1	1		1						
589	20314	Benzoic acid, <i>o</i> -ethoxy-, isopentyl ester	2	2	1		1						
590	19447	Benzoic acid, <i>o</i> -ethoxy-, isopropyl ester					1	1					
591	19076	Benzoic acid, <i>o</i> -ethoxy-, 4-isopropylcyclohexyl ester	1	1	1		1	1					
592	19074	Benzoic acid, <i>o</i> -ethoxy-, <i>p</i> -methoxybenzyl ester	1	2	1		1						
593	5007	Benzoic acid, <i>o</i> -ethoxy-, 2-methoxyethyl ester					1						
594	19066	Benzoic acid, <i>o</i> -ethoxy-, methyl ester	3	1	1	1							
595	18942	Benzoic acid, <i>o</i> -ethoxy-, 4-methylcyclohexyl ester	2	1	1		1						
596	19078	Benzoic acid, <i>o</i> -ethoxy-, phenethyl ester	2	1	1		1						
597	18943	Benzoic acid, <i>o</i> -ethoxy-, phenyl ester					1						
598	20434	Benzoic acid, <i>o</i> -ethoxy-, 3-phenylpropyl ester	1	1	1		1						
599	19077	Benzoic acid, <i>o</i> -ethoxy-, piperonyl ester	1	1	2	1	1	1					
600	19221	Benzoic acid, <i>o</i> -ethoxy-, tetrahydrofurfuryl ester	1	1	1	1	1			2	1		
601	19222	Benzoic acid, <i>o</i> -ethoxy-, <i>m</i> -tolyl ester					1						
602	19223	Benzoic acid, <i>o</i> -ethoxy-, <i>o</i> -tolyl ester					1						
603	20362	Benzoic acid, <i>o</i> -ethoxy-, <i>p</i> -tolyl ester					1						
604	19460	Benzoic acid, <i>p</i> -ethoxy-, allyl ester	1	1	1	1	1	1		2	1		
605	20345	Benzoic acid, <i>p</i> -ethoxy-, benzyl ester					1	1					
606	20315	Benzoic acid, <i>p</i> -ethoxy-, butyl ester	1		2		1						
607	20346	Benzoic acid, <i>p</i> -ethoxy-, ethyl ester	1	1	1	1	1	1		1	1		
608	20348	Benzoic acid, <i>p</i> -ethoxy-, isopropyl ester	1	2	2	1	1	1		2	1		
609	20347	Benzoic acid, <i>p</i> -ethoxy-, methyl ester	1	1	1	1	1	1					
610	20683	Benzoic acid, <i>p</i> -ethoxy-, propyl ester	1	1	1	2	1	1					
611	30144	Benzoic acid, <i>m</i> -hydroxy-, ethyl ester	1	1	1	1	1	1					
612	30960	Benzoic acid, <i>o</i> -(2-hydroxy-4,4-dimethyl-6-oxo-1-cyclohexen-1-yl)-, lactone	1		1	1						1	1
613	19595	Benzoic acid, <i>p</i> -hydroxy-, ethyl ester					1						
614	1341	Benzoic acid, <i>p</i> -hydroxy-, 3-phenylpropyl ester					1	1					
615	21415	Benzoic acid, <i>p</i> -hydroxy-, propyl ester	1	1	1		1	1					
616	21705	Benzoic acid, <i>m</i> -isobutoxy-, methyl ester	1			1	1					1	1
617	30042	Benzoic acid, <i>p</i> -isobutoxy-, methyl ester	1		1	1	1	1		1	2	1	1
618	21416	Benzoic acid, <i>m</i> -isopropoxy-, ethyl ester	2	1	1	1						1	1
619	5010	Benzoic acid, <i>m</i> -isopropoxy-, methyl ester	1				1	1				1	1
620	30190	Benzoic acid, <i>o</i> -isopropoxy-, methyl ester	2				1	1					
621	30187	Benzoic acid, <i>p</i> -isopropyl-, allyl ester	1	1	2	1	1					1	1
622	30151	Benzoic acid, <i>p</i> -isopropyl-, benzyl ester	2	1	2	1	1					1	1
623	30154	Benzoic acid, <i>p</i> -isopropyl-, butyl ester	1		1	1	1					1	1
624	30188	Benzoic acid, <i>p</i> -isopropyl-, <i>sec</i> -butyl ester	1		1	1	1					1	1
625	30189	Benzoic acid, <i>p</i> -isopropyl-, cyclohexyl ester	2	1	1	1	1					1	1
626	30183	Benzoic acid, <i>p</i> -isopropyl-, cyclopentyl ester	1	1	2	1	1					1	1
		Benzoic acid, <i>p</i> -isopropyl-, 2-(2-ethoxyethoxy)ethyl ester	2	1	2	1	1					1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
627	30162	ESTERS AND LACTONES—Continued											
628	30153	Benzoic acid, <i>p</i> -isopropyl-, 2-ethoxyethyl ester.....	1	1	1	1	1	---	---	---	---	1	1
629	30184	Benzoic acid, <i>p</i> -isopropyl-, ethyl ester.....	2	---	2	1	1	---	---	---	---	1	1
630	30185	Benzoic acid, <i>p</i> -isopropyl-, 2-ethylbutyl ester.....	2	2	2	1	1	---	---	---	---	1	1
631	30191	Benzoic acid, <i>p</i> -isopropyl-, 2-ethylhexyl ester.....	1	1	1	1	1	---	---	---	---	1	1
632	30186	Benzoic acid, <i>p</i> -isopropyl-, heptyl ester.....	1	1	1	1	1	---	---	---	---	1	1
633	30150	Benzoic acid, <i>p</i> -isopropyl-, hexyl ester.....	2	1	2	1	1	---	---	---	---	1	1
634	30156	Benzoic acid, <i>p</i> -isopropyl-, isobutyl ester.....	1	---	1	1	1	---	---	---	---	1	1
635	30148	Benzoic acid, <i>p</i> -isopropyl-, isopentyl ester.....	2	---	1	1	1	---	---	---	---	1	1
636	30209	Benzoic acid, <i>p</i> -isopropyl-, isopropyl ester.....	1	---	1	1	1	---	---	---	---	1	1
637	30179	Benzoic acid, <i>p</i> -isopropyl-, <i>p</i> -methoxybenzyl ester.....	---	---	---	---	1	---	---	---	---	---	---
638	30160	Benzoic acid, <i>p</i> -isopropyl-, 3-methoxybutyl ester.....	1	---	1	1	1	---	---	---	---	1	1
639	30152	Benzoic acid, <i>p</i> -isopropyl-, 2-methoxyethyl ester.....	1	---	1	1	1	---	---	---	---	1	1
640	30155	Benzoic acid, <i>p</i> -isopropyl-, methyl ester.....	2	---	2	1	1	---	---	---	---	1	1
641	30192	Benzoic acid, <i>p</i> -isopropyl-, pentyl ester.....	1	---	2	1	1	---	---	---	---	1	1
642	30193	Benzoic acid, <i>p</i> -isopropyl-, phenethyl ester.....	1	1	2	1	1	---	---	---	---	1	1
643	30147	Benzoic acid, <i>p</i> -isopropyl-, 3-phenylpropyl ester.....	1	1	1	1	1	---	---	---	---	1	1
644	30195	Benzoic acid, <i>p</i> -isopropyl-, propyl ester.....	1	---	1	1	1	---	---	---	---	1	1
645	21530	Benzoic acid, <i>p</i> -isopropyl-, tetrahydrofurfuryl ester.....	1	1	1	1	1	---	---	---	---	1	1
646	21562	Benzoic acid, <i>m</i> -(2-methylallyloxy)-, methyl ester.....	1	---	1	1	1	1	---	---	---	1	1
647	24183	Benzoic acid, <i>p</i> -(2-methylallyloxy)-, methyl ester.....	---	---	---	---	1	1	---	---	---	---	---
648	21335	Benzoic acid, <i>p</i> -pentyloxy-, methyl ester.....	1	1	---	---	---	---	---	---	---	---	---
649	21155	Benzoic acid, <i>m</i> -propoxy-, methyl ester.....	1	---	1	---	1	1	---	---	---	2	1
650	21154	Benzoic acid, 3,4,5-trimethoxy-, ethyl ester.....	1	---	1	1	1	1	---	---	---	---	---
651	20385	Benzoic acid, 3,4,5-trimethoxy-, methyl ester.....	1	---	1	1	1	1	---	---	---	---	---
652	17535	Benzoic acid, 3,4,5-trimethoxy-, piperonyl ester.....	---	---	---	---	1	1	---	---	---	---	---
653	17536	Benzophenone, 2,4'-dihydroxy-, diacetate.....	---	---	---	---	1	---	---	---	---	---	---
654	21533	Benzophenone, 4,4'-dihydroxy-, diacetate.....	---	---	---	---	1	---	---	---	---	---	---
655	24749	Benzyl alcohol, <i>p</i> -butoxy-, acetate.....	---	---	---	---	1	1	---	---	---	---	---
656	21160	Benzyl alcohol, <i>alpha</i> , <i>alpha</i> -dimethyl-, acetate.....	1	---	1	---	1	---	---	---	1	---	---
657	30169	Benzyl alcohol, 2,4-dimethyl-, acetate.....	1	---	1	1	1	1	---	---	---	1	1
658	30171	Benzyl alcohol, 2,4-dimethyl-, benzoate.....	1	---	2	1	1	---	---	---	---	---	---
659	21534	Benzyl alcohol, 2,5-dimethyl-, formate.....	1	---	3	1	1	1	---	---	---	1	1
660	8356	Benzyl alcohol, 2,5-dimethyl-, acetate.....	1	---	---	---	1	---	---	---	---	---	---
661	21282	Benzyl alcohol, 2,5-dimethyl-, benzoate.....	1	---	---	---	1	1	---	---	---	---	---
662	30198	Benzyl alcohol, 3,4-dimethyl-, acetate.....	1	1	1	1	1	---	---	---	---	1	1
663	30120	Benzyl alcohol, 3,4-dimethyl-, benzoate.....	1	---	1	1	1	---	---	---	---	1	1
664	21161	Benzyl alcohol, 3,4-dimethyl-, formate.....	1	---	1	1	1	---	---	---	---	---	---
665	20523	Benzyl alcohol, <i>p</i> -ethoxy-, acetate.....	1	---	---	1	1	1	1	1	2	---	---
666	11718	Benzyl alcohol, <i>alpha</i> -ethyl-, acetate.....	2	---	3	---	1	1	---	---	---	---	---
667	21902	Benzyl alcohol, <i>alpha</i> -ethyl-, benzoate.....	---	---	---	---	1	---	---	---	---	---	---
668	21527	Benzyl alcohol, <i>m</i> -ethyl-, acetate.....	---	---	---	1	1	1	---	---	---	---	---
669	21901	Benzyl alcohol, <i>m</i> -ethyl-, benzoate.....	---	---	---	1	1	1	---	---	---	---	---
669	21901	Benzyl alcohol, <i>m</i> -(hydroxymethyl)-, diacetate.....	1	---	1	1	1	1	---	---	---	1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
670	11717	ESTERS AND LACTONES—Continued Benzyl alcohol, <i>alpha</i> -isopropyl-, benzoate					1						
671	18152	Benzyl alcohol, <i>alpha</i> -methyl-, acetate	2	1	3	1	1						
672	8109	Benzyl alcohol, <i>alpha</i> -methyl-, benzoate					1						
673	18714	Benzyl alcohol, <i>alpha</i> -methyl-, formate					1						
674	21554	Benzyl alcohol, <i>m</i> -methyl-, acetate					1						
675	8357	Benzyl alcohol, <i>m</i> -methyl-, benzoate	1	1	1	1							
676	21537	Benzyl alcohol, <i>o</i> -methyl-, acetate	1		3	1	1	1				1	1
677	20661	Benzyl alcohol, <i>p</i> -methyl-, acetate	2	1	3	1	1	1					
678	21538	Benzyl alcohol, <i>p</i> -(2-methylallyloxy)-, acetate					1	1					
679	21539	Benzyl alcohol, <i>p</i> -propoxy-, acetate					1	1					
680	20533	Benzyl alcohol, <i>alpha</i> -propyl-, acetate				1	1	1					
681	11720	Benzyl alcohol, <i>alpha</i> -propyl-, benzoate	2	1	2		1						
682	24872	Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, butyl ester	1		2	1	1			1	1		
683	24874	Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, ethyl ester	1		1	1	1			1	1		
684	24873	Bicyclo[2.2.1]hept-5-ene-2-carboxylic acid, 3-methyl-, ethyl ester	1		2	1	1			2	1		
685	14380	Bicyclo [3.1.1] hept-2-ene-2-ethanol, 6,6-dimethyl-, acetate	2	1	1	1							
686	18704	1,3-Butanediol, diformate					1						
687	22074	1,4-Butanediol, diformate					1	1					
688	30440	1-Butanol, 3-methoxy-, formate	1		1	1	1						
689	30504	2-Butanol, benzoate	1		3	1	1					1	1
690	21283	2-Butanol, 4-(<i>p</i> -isopropylphenyl)-, acetate	1		1	1	1	1					
691	21284	2-Butanol, 4-(<i>p</i> -methoxyphenyl)-, acetate				1	1	1					
692	20243	2-Butanol, 4-(3,4-methylenedioxyphenyl)-, acetate					1	1					
693	24193	2-Butanol, 2-methyl-4-phenyl-, acetate	2										
694	24795	2-Butanol, 3-methyl-4-phenyl-, acetate	2		1		1				1		
695	31841	2-Butanone, 4-[(<i>p</i> -hydroxyethoxy)phenyl]-, acetate	1	1	1								
696	31840	2-Butanone, 4-(<i>o</i> -hydroxyphenyl)-, acetate	1	1	1								
697	31833	2-Butanone, 4-(<i>p</i> -hydroxyphenyl)-, acetate		2									
698	30125	2-Butenoic acid, <i>m</i> -methylbenzyl ester	1		1	1							
699	31831	3-Buten-2-one, 4-(<i>o</i> -hydroxyphenyl)-, acetate		1									
700	6120	Butyric acid, benzyl ester	2	1	3	1	1						
701	6125	Butyric acid, butyl ester	1		2								
702	30709	Butyric acid, 4- <i>tert</i> -butyl-2-(<i>alpha</i> -methylbenzyl)phenyl ester					1						
703	30428	Butyric acid, 2-(<i>o</i> - <i>sec</i> -butylphenoxy)-1-methylethyl ester	1		2	1	1						
704	30437	Butyric acid, 2-(<i>p</i> - <i>sec</i> -butylphenoxy)-1-methylethyl ester	1		1	1	1						
705	30434	Butyric acid, 2-(<i>p</i> - <i>tert</i> -butylphenoxy)-1-methylethyl ester	1		1	1	1						
706	18396	Butyric acid, <i>p</i> - <i>tert</i> -butylphenyl ester					1						
707	18356	Butyric acid, 6- <i>tert</i> -butyl- <i>m</i> -tolyl ester					1						
708	18406	Butyric acid, 4- <i>tert</i> -butyl- <i>o</i> -tolyl ester					1						
709	18408	Butyric acid, 2- <i>tert</i> -butyl- <i>p</i> -tolyl ester					1						
710	2461	Butyric acid, cinnamyl ester	1										
711	6059	Butyric acid, cyclohexyl ester	2										
712	3884	Butyric acid, 2-cyclohexylecyclohexyl ester	2	1	3	1							
713	2140	Butyric acid, 4-cyclohexylecyclohexyl ester	1	1	1	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
714	18399	Butyric acid, <i>o</i> -cyclohexylphenyl ester	---	---	---	---	1	---	---	---	---	---	---
715	18400	Butyric acid, <i>p</i> -cyclohexylphenyl ester	---	---	---	---	1	---	---	---	---	---	---
716	22713	Butyric acid, cyclopentyl ester	---	---	---	---	1	---	---	---	---	---	---
717	30734	Butyric acid, decyl ester	1	1	2	1	1	---	---	---	---	---	---
718	31779	Butyric acid, diester with 1,2-hexadecanediol	1	1	1	2	1	---	---	---	---	---	---
719	31743	Butyric acid, diester with 1,12-octadecanediol	1	1	1	1	1	---	---	---	---	---	---
720	30379	Butyric acid, 2,4-dimethylbenzyl ester	1	---	2	1	1	---	---	---	---	---	---
721	30137	Butyric acid, 3,4-dimethylbenzyl ester	1	---	2	1	1	---	---	---	---	---	---
722	18413	Butyric acid, <i>p</i> -(<i>alpha</i> , <i>alpha</i> -dimethylbenzyl)phenyl ester	1	---	1	1	1	---	---	---	1	---	---
723	30912	Butyric acid, 2,2-dimethylpentyl ester	1	1	3	1	1	---	---	---	---	---	---
724	24473	Butyric acid, 1,1-dimethyl-3-phenylpropyl ester	---	1	---	---	---	---	---	---	---	---	---
725	24200	Butyric acid, ester with citronellol	1	---	---	---	---	---	---	---	---	---	---
726	24201	Butyric acid, ester with linalool	1	---	---	---	---	---	---	---	---	---	---
727	18427	Butyric acid, ethyl ester	1	---	---	---	---	---	---	---	---	---	---
728	21866	Butyric acid, <i>alpha</i> -ethylbenzyl ester	2	---	3	---	---	---	---	---	---	1	1
729	18403	Butyric acid, <i>m</i> -ethylphenyl ester	---	---	---	---	1	---	---	---	---	---	---
730	18404	Butyric acid, <i>p</i> -ethylphenyl ester	---	---	---	---	1	---	---	---	---	---	---
731	20981	Butyric acid, eugenyl ester	2	---	---	1	1	1	---	---	---	---	---
732	15359	Butyric acid, geranyl ester	1	---	---	---	---	1	---	---	---	---	---
733	21505	Butyric acid, heptyl ester	---	---	2	1	1	1	---	---	---	1	1
734	31766	Butyric acid, 1-hexyl-12-hydroxydodecyl ester	2	1	1	2	1	---	---	---	---	---	---
735	31750	Butyric acid, 2-hydroxyhexadecyl ester	1	1	1	1	1	---	---	---	---	---	---
736	31786	Butyric acid, 1-(hydroxymethyl)pentadecyl ester	1	1	1	2	1	---	---	---	---	---	---
737	31735	Butyric acid, 1-hydroxyoctadecyl ester	2	1	1	1	1	---	---	---	---	---	---
738	11267	Butyric acid, isobutyl ester	1	---	1	1	1	1	---	---	---	---	---
739	20982	Butyric acid, isoeugenyl ester	1	---	---	1	---	---	---	---	---	---	---
740	18397	Butyric acid, <i>o</i> -isopropylphenyl ester	---	---	---	---	1	---	---	---	---	---	---
741	18398	Butyric acid, <i>p</i> -isopropylphenyl ester	---	---	---	---	1	---	---	---	---	---	---
742	21923	Butyric acid, 3-methoxybutyl ester	2	---	1	1	---	1	---	---	---	1	1
743	31836	Butyric acid, <i>p</i> -(methoxycarbonyl)phenyl ester	---	1	---	---	---	---	---	---	---	---	---
744	18501	Butyric acid, 2-methoxyethyl ester	---	---	---	---	1	---	---	---	---	---	---
745	30062	Butyric acid, <i>m</i> -methylbenzyl ester	2	1	2	1	1	---	---	1	---	1	1
746	22396	Butyric acid, 1-methyl-2-phenoxyethyl ester	---	---	---	---	1	---	---	---	---	---	---
747	18358	Butyric acid, 1-naphthyl ester	---	---	---	---	1	---	---	---	---	---	---
748	12024	Butyric acid, 2-naphthyl ester	1	---	1	---	1	---	---	---	---	---	---
749	30449	Butyric acid, 1-naphthylmethyl ester	---	---	---	---	1	---	---	---	---	---	---
750	18415	Butyric acid, <i>p</i> -nonylphenyl ester	1	---	1	1	1	---	---	---	---	---	---
751	24204	Butyric acid, octyl ester	1	1	1	---	---	---	---	---	---	---	---
752	31835	Butyric acid, <i>p</i> -(3-oxobutyl)phenyl ester	---	2	---	---	---	---	---	---	---	---	---
753	6124	Butyric acid, pentyl ester	1	1	3	1	---	2	---	---	---	---	---
754	2954	Butyric acid, phenethyl ester	1	---	1	---	1	1	---	---	---	---	---
755	22351	Butyric acid, 3-(3-phenoxypropoxy)propyl ester	---	---	---	---	1	---	---	---	---	---	---
756	20536	Butyric acid, <i>alpha</i> -propylbenzyl ester	---	---	---	---	1	1	---	---	---	---	---
757	22229	Butyric acid, 2-propynyl ester	---	---	---	---	1	---	---	---	---	---	---
758	30730	Butyric acid, <i>p</i> -(1,1,3,3-tetramethylbutyl)phenyl ester	1	1	1	1	1	---	---	---	---	---	---
759	30506	Butyric acid, thymyl ester	1	---	1	1	1	---	---	---	---	1	1
760	18341	Butyric acid, <i>m</i> -tolyl ester	---	---	---	---	1	---	---	---	---	---	---
761	18340	Butyric acid, <i>o</i> -tolyl ester	---	---	---	---	1	---	---	---	---	---	---
762	18342	Butyric acid, <i>p</i> -tolyl ester	---	---	---	---	1	---	---	---	---	---	---
763	30898	Butyric acid, undecyl ester	1	1	2	1	1	---	---	---	---	---	---
764	24888	Butyric acid, vinyl ester	2	---	1	1	1	---	---	1	---	---	---
765	21403	Butyric acid, 3-benzyl-3-hydroxy-, butyl ester	1	---	---	1	1	1	---	---	---	1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsay moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
766	21404	ESTERS AND LACTONES—Continued											
		Butyric acid, 3-benzyl-3-hydroxy-, ethyl ester	1			1	1					1	1
767	24767	Butyric acid, 2-ethyl-, allyl ester	1		1						1		
768	30224	Butyric acid, 2-ethyl-, benzyl ester	1	1	1	1	1					1	1
769	30241	Butyric acid, 2-ethyl-, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1					2	1
770	30457	Butyric acid, 2-ethyl-, 2-butoxyethyl ester	1		1	1	1					1	1
771	14392	Butyric acid, 2-ethyl-, butyl ester	1	1	1	1							
772	30243	Butyric acid, 2-ethyl-, sec-butyl ester	1	1	1	1	1					1	1
773	30358	Butyric acid, 2-ethyl-, 2-(<i>o</i> -sec-butylphenoxy)-1-methylethyl ester	1		1	1	1						
774	30359	Butyric acid, 2-ethyl-, 2-(<i>p</i> -sec-butylphenoxy)-1-methylethyl ester	1		1	1	1						
775	30360	Butyric acid, 2-ethyl-, 2-(<i>p</i> -tert-butylphenoxy)-1-methylethyl ester	1		1	1	1						
776	30227	Butyric acid, 2-ethyl-, cyclohexyl ester	2	1	1	1	1					1	1
777	30240	Butyric acid, 2-ethyl-, cyclopentyl ester	1	1	1	1	1					1	1
778	30228	Butyric acid, 2-ethyl-, 2-ethoxyethyl ester	1	1	1	1	1					1	1
779	24766	Butyric acid, 2-ethyl-, ethyl ester	1		1						1		
780	30248	Butyric acid, 2-ethyl-, 4-ethyl-1-methyloctyl ester	1		1		1				1		
781	30261	Butyric acid, 2-ethyl-, 1-ethylpentyl ester	1	1	1	1	1					1	
782	30260	Butyric acid, 2-ethyl-, 1-ethylpropyl ester	1	2	1	1	1					1	1
783	30218	Butyric acid, 2-ethyl-, heptyl ester	1	1	1	1	1					1	1
784	30217	Butyric acid, 2-ethyl-, hexyl ester	1	1	1	1	1					1	1
785	30214	Butyric acid, 2-ethyl-, isobutyl ester	1	1	2	1	1					1	1
786	30216	Butyric acid, 2-ethyl-, isopentyl ester	1	1	1	1	1					1	1
787	30213	Butyric acid, 2-ethyl-, isopropyl ester	1	1	2	1	1					1	1
788	30324	Butyric acid, 2-ethyl-, 2-isopropylcyclohexyl ester	1	1	1	1						1	1
789	30242	Butyric acid, 2-ethyl-, 3-methoxybutyl ester	1	1	1	1	1						
790	30246	Butyric acid, 2-ethyl-, 2-(2-methoxyethoxy)ethyl ester	1	1	1	1	1					1	1
791	30222	Butyric acid, 2-ethyl-, 2-methoxyethyl ester	1	1	1	1	1					1	1
792	30354	Butyric acid, 2-ethyl-, 2-methoxy-1-methylethyl ester	1	1	1	1	1					1	1
793	30323	Butyric acid, 2-ethyl-, 2-methylcyclohexyl ester	1		2	1	1						
794	30356	Butyric acid, 2-ethyl-, 1-methyl-2-phenoxyethyl ester	1	1	3	1	1						
795	30258	Butyric acid, 2-ethyl-, octyl ester	1		1	1	1						
796	30215	Butyric acid, 2-ethyl-, pentyl ester	1	2	1	1	1					1	1
797	30225	Butyric acid, 2-ethyl-, phenethyl ester	1	1	1	1	1					1	1
798	30245	Butyric acid, 2-ethyl-, 2-phenoxyethyl ester	1	1	1	1	1					1	1
799	30226	Butyric acid, 2-ethyl-, 3-phenylpropyl ester	1	1	1	1	1					1	1
800	30212	Butyric acid, 2-ethyl-, propyl ester	1	1	1	1	1					1	1
801	30244	Butyric acid, 2-ethyl-, tetrahydrofurfuryl ester	1	1	1	1	1					1	1
802	21406	Butyric acid, 3-hydroxy-3-phenyl-, butyl ester	1	1	1	1	1					1	1
803	21405	Butyric acid, 3-hydroxy-4-phenyl-, ethyl ester	1			1	1	1				1	1
804	20660	Butyric acid, 4-hydroxy-2-piperonyl-, gamma-lactone	1			1	1	1				1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
805	21008	ESTERS AND LACTONES—Continued											
		Butyric acid, 3-(<i>m</i> -methoxyphenoxy)-, propyl ester	2			1	1	1					
806	31630	Butyric acid, 3-piperonyl-, ethyl ester	1	1	1								
807	1776	Butyrolactone	1	1									
808	7027	Butyrolactone	1		1								
809	5836	Carbonic acid, dibenzyl ester	2	1	1	1							
810	30046	Carbonic acid, dibutyl ester	1	1	1	1							
811	14705	Carbonic acid, dimethyl ester	1	2									
812	4252	Carbonic acid, dipentyl ester	2	1	1	1							
813	3938	Carbonic acid, 1-heptynyl methyl ester	1		1								
814	24205	Carbonic acid, methyl 1-octynyl ester	1		1								
815	3429	Carvacrol, acetate					1						
816	24206	Cedrol, acetate	1										
817	30102	Chrysanthemumdicarboxylic acid, dimethyl ester					1			2	1		
818	30971	Chrysanthemumic acid, allyl ester	1	1	2	2	1			2	1		
819	22006	Chrysanthemumic acid, 3-allyl-1,2-dimethyl-4-oxo-2-cyclopenten-1-yl ester					1	1					
820	30039	Chrysanthemumic acid, 3-allyl-4-ethoxybenzyl ester					1			1	1		
821	20032	Chrysanthemumic acid, α -allylfurfuryl ester					1	1					
822	30041	Chrysanthemumic acid, 3-allyl-4-methoxybenzyl ester					1			1	1		
823	30336	Chrysanthemumic acid, 2-allyl-4,5-methylenedioxyphenyl ester	1	1	1	1							
824	21422	Chrysanthemumic acid, <i>m</i> -(allyloxy)-benzyl ester					1	1					
825	21427	Chrysanthemumic acid, <i>o</i> -(allyloxy)-benzyl ester					1	1					
826	21733	Chrysanthemumic acid, <i>p</i> -(allyloxy)benzyl ester	1				1	1		2	1		
827	30167	Chrysanthemumic acid, 2-(allyloxy)-3-methoxybenzyl ester					1						
828	30230	Chrysanthemumic acid, 2-(3-allyloxy)naphthylmethyl ester					1						
829	20003	Chrysanthemumic acid, α -allylpiperonyl ester	1				1	1		1	1		
830	20908	Chrysanthemumic acid, 6-allylpiperonyl ester					1	1					
831	20498	Chrysanthemumic acid, α -allyl- <i>o</i> -veratryl ester					1	1					
832	20412	Chrysanthemumic acid, α -amylpiperonyl ester					1	1					
833	20408	Chrysanthemumic acid, benzhydryl ester					1	1					
834	20248	Chrysanthemumic acid, benzyl ester	1		1	1	1	1		1	1		
835	20273	Chrysanthemumic acid, <i>d</i> -bornyl ester					1	1					
836	21573	Chrysanthemumic acid, <i>m</i> - <i>sec</i> -butoxybenzyl ester					1	1		2	1		
837	21556	Chrysanthemumic acid, <i>p</i> -butoxybenzyl ester					1	1		2	1		
838	21578	Chrysanthemumic acid, <i>p</i> - <i>sec</i> -butoxybenzyl ester					1	1		1	1		
839	21339	Chrysanthemumic acid, <i>p</i> -butoxyphenethyl ester					1	1					
840	30970	Chrysanthemumic acid, butyl ester	1	1	2	1	1			1	1		
841	30973	Chrysanthemumic acid, <i>sec</i> -butyl ester	1	1	2	1	1			1	1		
842	21423	Chrysanthemumic acid, <i>p</i> - <i>tert</i> -butylbenzyl ester					1	1		1	1		
843	20413	Chrysanthemumic acid, α -butylpiperonyl ester					1	1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
844	20309	ESTERS AND LACTONES—Continued Chrysanthemumic acid, <i>alpha</i> - <i>tert</i> -butyl-piperonyl ester					1	1					
845	20835	Chrysanthemumic acid, chrysanthemumyl ester					1	1					
846	20144	Chrysanthemumic acid, cinnamyl ester	1			1	1						
847	20422	Chrysanthemumic acid, cuminyl ester					1						
848	20352	Chrysanthemumic acid, cyclohexyl ester					1	1					
849	20585	Chrysanthemumic acid, cyclohexyl-methyl ester					1	1		2	1		
850	21036	Chrysanthemumic acid, 3-cyclohexyl-2-methyl-4-oxo-2-cyclopenten-1-yl ester					1	1					
851	21021	Chrysanthemumic acid, diester with 2-piperonyl-1,4-butanediol					1	1					
852	19395	Chrysanthemumic acid, diester with pyrocatechol	1	1		1	1	1					
853	20410	Chrysanthemumic acid, 2,3-dimethoxybenzyl ester					1	1		2	1		
854	21170	Chrysanthemumic acid, 2,4-dimethylbenzyl ester					1	1		2	1		
855	21825	Chrysanthemumic acid, 3,4-dimethylbenzyl ester	1		1	1	1	1		2	1		
856	20675	Chrysanthemumic acid, 2-(7,7-dimethylbicyclo[3.1.1]hept-2-enyl)ethyl ester					1	1					
857	20202	Chrysanthemumic acid, <i>dl</i> -2,3-dimethyl-4-oxo-2-cyclopenten-1-yl ester					1	1					
858	20133	Chrysanthemumic acid, ester with 4-hydroxy-4-methyl-2-pentanone					1	1					
859	21019	Chrysanthemumic acid, ester with 1-(3,4-methylenedioxyphenyl)-2-propanol	1			1							
860	21020	Chrysanthemumic acid, ester with 2-methyl-3-(3,4-methylenedioxyphenyl)-1-propanol	1			1	1	1					
861	21340	Chrysanthemumic acid, <i>m</i> -ethoxybenzyl ester	1		1	1	1	1		2	2	1	1
862	21424	Chrysanthemumic acid, <i>o</i> -ethoxybenzyl ester					1	1		1	1		
863	21171	Chrysanthemumic acid, <i>p</i> -ethoxybenzyl ester					1	1		2	1		
864	19003	Chrysanthemumic acid, 2-(2-ethoxyethoxy)ethyl ester					1						
865	30254	Chrysanthemumic acid, 2-(3-ethoxy)naphthylmethyl ester	1	1	1	1	1					1	1
866	21341	Chrysanthemumic acid, <i>p</i> -ethoxyphenethyl ester	1	1	1	1	1	1		1	2		
867	31012	Chrysanthemumic acid, ethyl ester	1	2	1	1	1			1	1		
868	21906	Chrysanthemumic acid, <i>m</i> -ethylbenzyl ester					1	1					
869	21558	Chrysanthemumic acid, <i>p</i> -ethylbenzyl ester					1	1					
870	20272	Chrysanthemumic acid, <i>alpha</i> -ethyl-piperonyl ester					1						
871	20138	Chrysanthemumic acid, geranyl ester					1	1					
872	21425	Chrysanthemumic acid, <i>m</i> -isobutoxybenzyl ester					1	1					
873	30972	Chrysanthemumic acid, isobutyl ester	1	1	2	2	1	1		1	1		
874	21426	Chrysanthemumic acid, <i>m</i> -isopropoxybenzyl ester	1	1	2	1	1	1		2	1		
875	30969	Chrysanthemumic acid, isopropyl ester	1	1	2	1	1			1	1		
876	21285	Chrysanthemumic acid, 3-(<i>p</i> -isopropylphenyl)-1-methylpropyl ester	1			1	1	1					
877	20337	Chrysanthemumic acid, <i>alpha</i> -isopropylpiperonyl ester	2		1	1	1	1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
878	21173	ESTERS AND LACTONES—Continued											
879	20335	Chrysanthemumic acid, <i>m</i> -methoxybenzyl ester					1	1		2	1		
880	20143	Chrysanthemumic acid, <i>o</i> -methoxybenzyl ester	1			1	1	1					
881	30298	Chrysanthemumic acid, <i>p</i> -methoxybenzyl ester	1		1	1	1			1	2		
882	30239	Chrysanthemumic acid, 3-methoxy-4-(2-methylallyl)benzyl ester	1	2	1	1	1						
883	30299	Chrysanthemumic acid, 4-methoxy-3-(2-methylallyl)benzyl ester					1						
884	20944	Chrysanthemumic acid, 3-methoxy-2-naphthylmethyl ester	1	2	1	1	1						
885	19113	Chrysanthemumic acid, <i>o</i> -methoxyphenyl ester	1	1		1		1		2	2		
886	20044	Chrysanthemumic acid, <i>p</i> -methoxyphenyl ester	1			1	1			1	1		
887	20033	Chrysanthemumic acid, 1-(<i>o</i> -methoxyphenyl)-3-butenyl ester					1	1					
888	21286	Chrysanthemumic acid, 1-(<i>p</i> -methoxyphenyl)-3-butenyl ester					1	1					
889	30166	Chrysanthemumic acid, 3-(<i>p</i> -methoxyphenyl)-1-methylpropyl ester	1			1	1	1					
890	30968	Chrysanthemumic acid, 3-methoxy-2-propoxybenzyl ester					1						
891	21564	Chrysanthemumic acid, methyl ester	2	1	1	1	1			1	1		
892	30300	Chrysanthemumic acid, <i>m</i> -(2-methylallyloxy)benzyl ester					1						
893	21577	Chrysanthemumic acid, <i>o</i> -(2-methylallyloxy)benzyl ester	1	1	1	1	1			2	1		
894	21572	Chrysanthemumic acid, <i>p</i> -(2-methylallyloxy)benzyl ester					1	1					
895	21559	Chrysanthemumic acid, <i>m</i> -methylbenzyl ester					1						
896	21739	Chrysanthemumic acid, <i>o</i> -methylbenzyl ester					1	1					
897	20336	Chrysanthemumic acid, 1-methyl-3-cyclohexen-1-yl ester	1		1		1	1					
898	20353	Chrysanthemumic acid, 2-methylcyclohexyl ester					1	1					
899	20246	Chrysanthemumic acid, 4-methylcyclohexyl ester					1	1					
900	21172	Chrysanthemumic acid, 3,4-methylene-dioxybenzhydryl ester	2		1			1					
901	20244	Chrysanthemumic acid, 3,4-methylene-dioxyphenethyl ester					1	1					
902	20856	Chrysanthemumic acid, 4-(3,4-methylenedioxyphenyl)butyl ester	1			1	1	1					
903	20857	Chrysanthemumic acid, 3-(3,4-methylenedioxyphenyl)-2-propenyl ester					1	1					
904	20294	Chrysanthemumic acid, 3-(3,4-methylenedioxyphenyl)propyl ester					1	1	1				
905	21030	Chrysanthemumic acid, <i>alpha</i> -methyl- <i>p</i> -methoxybenzyl ester					1	1					
906	20110	Chrysanthemumic acid, <i>alpha</i> -(<i>p</i> -methylphenyl)piperonyl ester					1	1					
907	20588	Chrysanthemumic acid, <i>alpha</i> -methylpiperonyl ester	1			1	1	1					
908	19125	Chrysanthemumic acid, <i>p</i> -methyl- <i>alpha</i> -propylbenzyl ester					1						
909	30446	Chrysanthemumic acid, 2-naphthyl ester					1						
		Chrysanthemumic acid, 1-naphthylmethyl ester					1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
910	20411	ESTERS AND LACTONES—Continued Chrysanthemumic acid, <i>alpha</i> -tert-pentylpiperonyl ester					1	1					
911	20590	Chrysanthemumic acid, <i>alpha</i> -phenethylpiperonyl ester					1	1					
912	20333	Chrysanthemumic acid, phenyl ester					1						
913	30302	Chrysanthemumic acid, <i>p</i> -phenylbenzyl ester	1	1	1	1	1			1	1		
914	20312	Chrysanthemumic acid, 2-phenylcyclohexyl ester					1	1					
915	20274	Chrysanthemumic acid, piperonyl ester	2		1	1	1	1		2	1		
916	20717	Chrysanthemumic acid, 6-propenylpiperonyl ester					1	1					
917	21342	Chrysanthemumic acid, <i>m</i> -propoxybenzyl ester					1	1		2	1		
918	21560	Chrysanthemumic acid, <i>p</i> -propoxybenzyl ester					1	1		2	1		
919	20886	Chrysanthemumic acid, propyl ester	2	2	2	2	1	1	2	2	2		
920	20091	Chrysanthemumic acid, <i>alpha</i> -propylpiperonyl ester	1			1	1	1					
921	20687	Chrysanthemumic acid, 6-propylpiperonyl ester					1	1					
922	20380	Chrysanthemumic acid, 1,2,3,4-tetrahydro-2-naphthyl ester					1	1					
923	20409	Chrysanthemumic acid, thymyl ester					1	1		2	1		
924	30301	Chrysanthemumic acid, 2,4,6 trimethyl-3-cyclohexen-1-ylmethyl ester	1	1	1	1							
925	20424	Chrysanthemumic acid, veratryl ester					1	1		1	1		
926	16326	Cinnamic acid, <i>trans</i> -, allethrolonyl ester								2	1		
927	2313	Cinnamic acid, allyl ester	1	1									
928	2482	Cinnamic acid, 2-(4-allyl-2-methoxyphenoxy)ethyl ester					1						
929	20134	Cinnamic acid, <i>alpha</i> -allylpiperonyl ester	2		1					1	1		
930	1268	Cinnamic acid, benzyl ester	1		1								
931	2445	Cinnamic acid, cinnamyl ester	1										
932	2424	Cinnamic acid, cyclohexyl ester	2										
933	2451	Cinnamic acid, ester with linalool	2		2	1	1	1		1	1		
934	20276	Cinnamic acid, 2-ethoxyethyl ester					1	1		1	1		
935	667	Cinnamic acid, ethyl ester	1		1	1							
936	2384	Cinnamic acid, isobutyl ester	1	1	1	1							
937	2026	Cinnamic acid, isopropyl ester	1			1	1			1	1		
938	579	Cinnamic acid, methyl ester	1	1	1	1		1	1	1	1		
939	24209	Cinnamic acid, pentyl ester	1		1								
940	1026	Cinnamic acid, phenethyl ester	2										
941	23960	Cinnamic acid, 3-phenylpropyl ester	1			1	1						
942	2024	Cinnamic acid, propyl ester	1			1			2	2	1		
943	23964	Cinnamic acid, 3,4-dimethoxy-, methyl ester	2			1							
944	20112	Cinnamic acid, <i>o</i> -isopropoxy-, methyl ester					1						
945	20001	Cinnamic acid, <i>o</i> -methoxy-, <i>cis</i> -, allyl ester	1			1		1					
946	24786	Cinnamic acid, <i>beta</i> -methyl-, ethyl ester	2		1		1				1		
947	24785	Cinnamic acid, <i>beta</i> -methyl-, methyl ester	2		1								
948	20119	Cinnamic acid, 3,4-methylenedioxy-, allethrolonyl ester	1					1		2			
949	30060	Cinnamic acid, 3,4-methylenedioxy-, methyl ester								1	1		
950	2455	Cinnamyl alcohol, formate	1		1	1							
951	659	Citric acid, triethyl ester	1	1	1		1						
952	17368	<i>m</i> -Cresol, 4- <i>tert</i> -butyl-, acetate					1						
953	19647	<i>m</i> -Cresol, 4- <i>tert</i> -butyl-, benzoate					1	1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
954	17449	ESTERS AND LACTONES—Continued					1						
955	20011	<i>m</i> -Cresol, 4,6-di- <i>tert</i> -butyl-, acetate											
		<i>m</i> -Cresol, 6-(1,1-dimethylpropyl)-, acetate					1	1					
956	10054	<i>p</i> -Cresol, 2-allyl-, acetate					1						
957	20012	<i>p</i> -Cresol, 2- <i>tert</i> -butyl-, acetate					1	1					
958	24211	2,4-Cresotic acid, methyl ester	1										
959	24212	Crotonic acid, allyl ester	1	1									
960	4112	Crotonic acid, benzyl ester					1			2	1		
961	2289	Crotonic acid, 2-cyclohexylecyclohexyl ester					1						
962	2290	Crotonic acid, 4-cyclohexylecyclohexyl ester					1						
963	4116	Crotonic acid, 2-cyclohexylethyl ester					1						
964	22721	Crotonic acid, cyclopentyl ester					1						
965	5622	Crotonic acid, ethyl ester	2	2	2	1	1						
966	19910	Crotonic acid, 4-ethyl-1-methyloctyl ester					1	1					
967	19909	Crotonic acid, 1-ethylpentyl ester					1	1					
968	21543	Crotonic acid, heptyl ester	2		2	1	1	1		1	1	1	1
969	19821	Crotonic acid, 4-isopropylcyclohexyl ester					1	1		1	1		
970	19911	Crotonic acid, 2-(2-methoxyethoxy)ethyl ester					1	1					
971	19824	Crotonic acid, 4-methylcyclohexyl ester					1	1					
972	19908	Crotonic acid, 2-methylpentyl ester	1	1	3		1	1					
973	20929	Crotonic acid, piperonyl ester					1	1		1	2		
974	6127	Crotonic acid, propyl ester			1								
975	19822	Crotonic acid, tetrahydrofurfuryl ester					1	1					
976	21191	Crotonic acid, tetrahydropyran-2-ylmethyl ester					1	1					
977	20489	Cumyl alcohol, <i>alpha</i> -allyl-, acetate	1	1	1	1	1	1					
978	21011	Cyclohexaneacetic acid, <i>alpha</i> -allyl-piperonyl ester	2			1	1	1					
979	18692	Cyclohexaneacetic acid, phenethyl ester					1						
980	19651	Cyclohexanebutyric acid, allyl ester	1	1	2		1	1					
981	19652	Cyclohexanebutyric acid, benzyl ester	1	1	1		1	1					
982	19650	Cyclohexanebutyric acid, cyclohexyl ester	1	1	1		1	1					
983	22730	Cyclohexanebutyric acid, cyclopentyl ester	1	1	2		1						
984	12154	Cyclohexanebutyric acid, ethyl ester	1	1	3		1						
985	14188	Cyclohexanebutyric acid, hexyl ester	1	1	1		1						
986	14191	Cyclohexanebutyric acid, isopropyl ester	1	1	2		1						
987	19696	Cyclohexanebutyric acid, 2-methoxyethyl ester	1	1	1		1	1		2	2		
988	13229	Cyclohexanebutyric acid, methyl ester					1						
989	18694	Cyclohexanebutyric acid, phenethyl ester					1						
990	19655	Cyclohexanebutyric acid, tetrahydrofurfuryl ester	1	1	1		1	1					
991	21010	Cyclohexanebutyric acid, 2-acetyl-3-oxo-, ethyl ester	1			1	1	1					
992	19784	Cyclohexanecarboxylic acid, allyl ester			1		1	1					
993	19661	Cyclohexanecarboxylic acid, benzyl ester			1		1	1					
994	4226	Cyclohexanecarboxylic acid, butyl ester			2		1		2	2	1		
995	4802	Cyclohexanecarboxylic acid, cyclohexyl ester			2		1						
996	22729	Cyclohexanecarboxylic acid, cyclopentyl ester			2		1						
997	19665	Cyclohexanecarboxylic acid, 3-heptyl ester			1		1	1					
998	19663	Cyclohexanecarboxylic acid, hexyl ester			1		1	1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
999	19658	ESTERS AND LACTONES—Continued Cyclohexanecarboxylic acid, isopropyl ester			2		1	1					
1000	19786	Cyclohexanecarboxylic acid, 2-methoxyethyl ester			1		1	1					
1001	19664	Cyclohexanecarboxylic acid, 3-pentyl ester			2								
1002	19662	Cyclohexanecarboxylic acid, phenethyl ester			1		1	1					
1003	19816	Cyclohexanecarboxylic acid, 3-phenylpropyl ester			1		1	1					
1004	19657	Cyclohexanecarboxylic acid, propyl ester			2		1	1					
1005	4230	Cyclohexanecarboxylic acid, tetrahydrofurfuryl ester			1								
1006	20189	Cyclohexanecarboxylic acid, 1-hydroxy-, allyl ester			1		1						
1007	20076	Cyclohexanecarboxylic acid, 1-hydroxy-, benzyl ester	1				1	1					
1008	20948	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-(2-butoxyethoxy)ethyl ester					1	1					
1009	6498	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-butoxyethyl ester					1						
1010	20073	Cyclohexanecarboxylic acid, 1-hydroxy-, butyl ester					1						
1011	6134	Cyclohexanecarboxylic acid, 1-hydroxy-, cyclohexyl ester					1						
1012	6133	Cyclohexanecarboxylic acid, 1-hydroxy-, cyclopentyl ester					1						
1013	6494	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-ethoxyethyl ester					1						
1014	20071	Cyclohexanecarboxylic acid, 1-hydroxy-, ethyl ester	1		1	1	1	1					
1015	6209	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-ethylbutyl ester					1						
1016	20600	Cyclohexanecarboxylic acid, 1-hydroxy-, heptyl ester					1	1					
1017	20494	Cyclohexanecarboxylic acid, 1-hydroxy-, hexyl ester				1	1	1					
1018	6203	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-hydroxyethyl ester					1						
1019	20074	Cyclohexanecarboxylic acid, 1-hydroxy-, isobutyl ester	1		2		1	1					
1020	6136	Cyclohexanecarboxylic acid, 1-hydroxy-, isopentyl ester					1						
1021	20072	Cyclohexanecarboxylic acid, 1-hydroxy-, isopropyl ester	3			1	1	1					
1022	20340	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-isopropylcyclohexyl ester					1	1					
1023	20344	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-methoxy-1-methylethyl ester	1	1	1	1	1	1					
1024	20070	Cyclohexanecarboxylic acid, 1-hydroxy-, methyl ester	1	1	1		1	1					
1025	20342	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-methylcyclohexyl ester				2	1	1					
1026	20343	Cyclohexanecarboxylic acid, 1-hydroxy-, 4-methylcyclohexyl ester	1	1	2	1	1	1					
1027	20599	Cyclohexanecarboxylic acid, 1-hydroxy-, octyl ester					1	1					
1028	20075	Cyclohexanecarboxylic acid, 1-hydroxy-, pentyl ester					1	1					
1029	20077	Cyclohexanecarboxylic acid, 1-hydroxy-, phenethyl ester	1			1	1	1					
1030	20188	Cyclohexanecarboxylic acid, 1-hydroxy-, 2-propoxyethyl ester	1	1	1	1	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species—Continued*

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1031	6137	ESTERS AND LACTONES—Continued											
		Cyclohexanecarboxylic acid, 1-hydroxy-, propyl ester					1						
1032	6449	Cyclohexanecarboxylic acid, 1-hydroxy-, propyl ester, butyrate					1						
1033	6448	Cyclohexanecarboxylic acid, 1-hydroxy-, propyl ester, propionate					1						
1034	20341	Cyclohexanecarboxylic acid, 1-hydroxy-4-methyl-, methyl ester	1		1	1	1	1					
1035	12218	Cyclohexanecarboxylic acid, 2-hydroxy-, isopentyl ester					1						
1036	21624	Cyclohexanecarboxylic acid, 2-hydroxy-, methyl ester	1		1		1	1				1	1
1037	12224	Cyclohexanecarboxylic acid, 2-hydroxy-, pentyl ester					1						
1038	21676	Cyclohexanecarboxylic acid, 4-hydroxy-2,6-dimethyl-, ethyl ester			1	1	1	1				1	1
1039	21701	Cyclohexanecarboxylic acid, 2-methyl-, benzyl ester	2	1	1		1	1		1	2	1	1
1040	21628	Cyclohexanecarboxylic acid, 2-methyl-, butyl ester	1		2	1	1	1				1	1
1041	21683	Cyclohexanecarboxylic acid, 2-methyl-, cyclohexyl ester			1	1	1	1				1	1
1042	21682	Cyclohexanecarboxylic acid, 2-methyl-, cyclopentyl ester			3	1	1	1				1	1
1043	21692	Cyclohexanecarboxylic acid, 2-methyl-, heptyl ester	1		1		1	1		2	1	1	1
1044	21684	Cyclohexanecarboxylic acid, 2-methyl-, isobutyl ester			2	1	1	1				1	1
1045	21686	Cyclohexanecarboxylic acid, 2-methyl-, isopentyl ester			2		1	1		1	1	1	1
1046	21629	Cyclohexanecarboxylic acid, 2-methyl-, isopropyl ester	1		3		1					1	1
1047	21691	Cyclohexanecarboxylic acid, 2-methyl-, 2-methoxyethyl ester	1	1	2		1	1		1	1	1	1
1048	21685	Cyclohexanecarboxylic acid, 2-methyl-, pentyl ester			1	1	1	1				1	1
1049	21568	Cyclohexanecarboxylic acid, 2-methyl-, propyl ester	1			1	1	1				1	1
1050	24748	1,2-Cyclohexanediol, 1-methyl-4-isopropenyl-, 2-acetate			1		1				1		
1051	17442	Cyclohexaneethanol, acetate					1						
1052	19591	Cyclohexaneethanol, benzoate	1	1	1		1	1					
1053	18707	Cyclohexaneethanol, formate					1						
1054	22794	Cyclohexanehexanoic acid, allyl ester	1	1	1		1						
1055	22799	Cyclohexanehexanoic acid, benzyl ester	2	1	1		1						
1056	22803	Cyclohexanehexanoic acid, 2-butoxyethyl ester	1	1	1		1						
1057	22800	Cyclohexanehexanoic acid, cyclohexyl ester	2	1	1		1						
1058	22731	Cyclohexanehexanoic acid, cyclopentyl ester	2	1	1		1						
1059	4109	Cyclohexanehexanoic acid, ethyl ester	1	1	1		1						
1060	22797	Cyclohexanehexanoic acid, isopropyl ester	1	1	1		1				1		
1061	18696	Cyclohexanehexanoic acid, phenethyl ester					1						
1062	22796	Cyclohexanehexanoic acid, propyl ester	2	1	1		1						
1063	22801	Cyclohexanehexanoic acid, 2-methoxyethyl ester	1	1	1		1						
1064	22802	Cyclohexanehexanoic acid, tetrahydrofurfuryl ester	1	1	1		1						
1065	23811	Cyclohexanepropionic acid, benzyl ester	1	1	2		1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1066	23808	ESTERS AND LACTONES—Continued Cyclohexanepropionic acid, 2-butoxyethyl ester	1	1	1		1						
1067	23807	Cyclohexanepropionic acid, cyclohexyl ester	1	1	1		1						
1068	23815	Cyclohexanepropionic acid, cyclopentyl ester	1	1	2		1						
1069	23806	Cyclohexanepropionic acid, 2-ethoxyethyl ester	1	1	1		1						
1070	23812	Cyclohexanepropionic acid, 4-ethyl-1-methyloctyl ester	1	1	1		1						
1071	23701	Cyclohexanepropionic acid, 1-ethylpropyl ester	1	1	1		1						
1072	23805	Cyclohexanepropionic acid, hexyl ester	1	1	1		1						
1073	23700	Cyclohexanepropionic acid, isopentyl ester	2	1	1		1						
1074	23817	Cyclohexanepropionic acid, 4-methylcyclohexyl ester	1	1	2		1						
1075	23699	Cyclohexanepropionic acid, pentyl ester	2	1	2		1						
1076	18693	Cyclohexanepropionic acid, phenethyl ester	1	1	1		1						
1077	23813	Cyclohexanepropionic acid, 2-phenoxyethyl ester	1	1	1		1						
1078	23816	Cyclohexanepropionic acid, 3-phenylpropyl ester	1	1	2		1						
1079	23809	Cyclohexanepropionic acid, 2-propynyl ester	1	1	3		1						
1080	23810	Cyclohexanepropionic acid, tetrahydrofurfuryl ester	1	1	1		1						
1081	19648	Cyclohexaneveraleric acid, ethyl ester	1	1	2		1	1					
1082	30436	Cyclohexanol, formate	1		1	1	1						
1083	18262	Cyclohexanol, 2-sec-butyl-, acetate	1		1	1	1						
1084	18712	Cyclohexanol, 2-sec-butyl-, formate					1						
1085	18312	Cyclohexanol, 4-sec-butyl-, acetate					1						
1086	30518	Cyclohexanol, 4-sec-butyl-, benzoate	1		1	1	1					1	1
1087	18713	Cyclohexanol, 4-sec-butyl-, formate					1						
1088	30599	Cyclohexanol, 4-tert-butyl-, benzoate					1						
1089	30461	Cyclohexanol, 4-tert-butyl-, formate	1		2	1	1					1	1
1090	18336	Cyclohexanol, 2-cyclohexyl-, acetate					1						
1091	30462	Cyclohexanol, 2-cyclohexyl-, formate	1		2	1	1					1	1
1092	30463	Cyclohexanol, 4-cyclohexyl-, formate	1		2	2	1					1	1
1093	18260	Cyclohexanol, 2-isopropyl-, acetate	3		1	1	1						
1094	19609	Cyclohexanol, 2-isopropyl-, benzoate					1	1					
1095	18710	Cyclohexanol, 2-isopropyl-, formate					1						
1096	18258	Cyclohexanol, 4-isopropyl-, acetate	1			1	1						
1097	19597	Cyclohexanol, 4-isopropyl-, benzoate					1	1		1	1		
1098	18708	Cyclohexanol, 4-isopropyl-, formate					1						
1099	19604	Cyclohexanol, 2-methyl-, benzoate	1	1	3		1	1					
1100	30441	Cyclohexanol, 2-methyl-, formate	1		1	1	1						
1101	17734	Cyclohexanol, 4-methyl-, acetate					1						
1102	18705	Cyclohexanol, 4-methyl-, formate					1						
1103	5859	Cyclohexanol, 2-phenyl-, acetate	2			1	1						
1104	6535	2-Cyclohexene-1-carboxylic acid, 2,6-dimethyl-4-oxo-, ethyl ester	2		1	1	1						
1105	21625	3-Cyclohexene-1-carboxylic acid, 1-methylpropyl ester	1		1		1	1					
1106	21620	3-Cyclohexene-1-carboxylic acid, propyl ester	2		2	1	1	1					
1107	21741	3-Cyclohexene-1-carboxylic acid, 3,4-dimethyl-, propyl ester	2		3	1	1	1					
1108	24871	3-Cyclohexene-1-carboxylic acid, 6-methoxy-, ethyl ester	2		1	1	1			2	1		
1109	24972	3-Cyclohexene-1-carboxylic acid, 1-methyl-, sec-butyl ester	1		1	1	1			1	1	1	

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1110	21742	ESTERS AND LACTONES—Continued 3-Cyclohexene-1-carboxylic acid, 1-methyl-, isopropyl ester	2		2		1	1					
1111	21477	3-Cyclohexene-1-carboxylic acid, 6-methyl-, allyl ester			2		1	1				1	1
1112	21343	3-Cyclohexene-1-carboxylic acid, 6-methyl-, benzyl ester	1		1	1	1	1					
1113	21354	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-butoxyethyl ester			1		1	1					
1114	21344	3-Cyclohexene-1-carboxylic acid, 6-methyl-, butyl ester	1		2	1	1	1					
1115	21486	3-Cyclohexene-1-carboxylic acid, 6-methyl-, sec-butyl ester			3		1	1				1	1
1116	21611	3-Cyclohexene-1-carboxylic acid, 6-methyl-, tert-butyl ester	1		1	2		1				1	1
1117	21496	3-Cyclohexene-1-carboxylic acid, 6-methyl-, cyclohexyl ester			2		1	1				1	1
1118	21613	3-Cyclohexene-1-carboxylic acid, 6-methyl-, cyclopentyl ester	1		3	2	1	1				1	1
1119	21841	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1,3-dimethylbutyl ester	3		2	1		1				1	1
1120	21614	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1,1-dimethylpropyl ester	1		2							1	1
1121	21480	3-Cyclohexene-1-carboxylic acid, 6-methyl-, ethyl ester			3		1	1				1	1
1122	21488	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-ethylbutyl ester			2	2	1	1				1	1
1123	21800	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-ethylhexyl ester	1		1	1		1				1	1
1124	21801	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-ethylpentyl ester	1		1	1	1	1			1	1	1
1125	21489	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-ethylpropyl ester			3		1	1					
1126	21498	3-Cyclohexene-1-carboxylic acid, 6-methyl-, heptyl ester	1			1	1	1				1	1
1127	21487	3-Cyclohexene-1-carboxylic acid, 6-methyl-, hexyl ester			1		1	1				1	1
1128	21485	3-Cyclohexene-1-carboxylic acid, 6-methyl-, isobutyl ester			3	1	1	1				1	1
1129	21842	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-isobutyl-3-methylbutyl ester	1		1	1		1			2	1	1
1130	21495	3-Cyclohexene-1-carboxylic acid, 6-methyl-, isopentyl ester			2	1	1	1				1	1
1131	21478	3-Cyclohexene-1-carboxylic acid, 6-methyl-, isopropyl ester			2		1	1	1	1	2	1	1
1132	21350	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methoxyethyl ester	1		1	1	1	1				1	1
1133	31594	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methoxy-1-methylethyl ester	1	1	2	1							
1134	21479	3-Cyclohexene-1-carboxylic acid, 6-methyl-, methyl ester			2		1	1				1	1
1135	31593	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-methylbutyl ester	1	1	2	1							
1136	21846	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methylcyclohexyl ester	3		2	1		1				1	1
1137	21844	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 1-methylheptyl ester	2		1	1		1				1	1
1138	21497	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-methylpentyl ester	1		1	1	1	1				1	2
1139	21481	3-Cyclohexene-1-carboxylic acid, 6-methyl-, pentyl ester			2	1	1	1				1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1140	21848	ESTERS AND LACTONES—Continued											
		3-Cyclohexene-1-carboxylic acid, 6-methyl-, phenethyl ester	1		1	1		1				1	1
1141	21345	3-Cyclohexene-1-carboxylic acid, 6-methyl-, propyl ester	1		2	1	1	1					
1142	21484	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-propynyl ester			2		1	1				1	1
1143	21843	3-Cyclohexene-1-carboxylic acid, 6-methyl-, tetrahydrofurfuryl ester	2		1	1	1	1				1	1
1144	21674	4-Cyclohexene-1,2-dicarboxylic acid, <i>cis</i> -, bis(2-propynyl) ester	2	1	1		1	1				1	1
1145	22280	4-Cyclohexene-1,2-dicarboxylic acid, <i>cis</i> -, diallyl ester	2	1	1		1						
1146	21670	4-Cyclohexene-1,2-dicarboxylic acid, <i>cis</i> -, dibutyl ester	1	1	1		1	1				1	1
1147	8986	4-Cyclohexene-1,2-dicarboxylic acid, <i>cis</i> -, diethyl ester	1	1	1								
1148	21673	4-Cyclohexene-1,2-dicarboxylic acid, <i>cis</i> -, diisobutyl ester	1	1	1		1	1				1	1
1149	3898	4-Cyclohexene-1,2-dicarboxylic acid, <i>cis</i> -, diisopropyl ester	1	1	1	2	1						
1150	3408	4-Cyclohexene-1,2-dicarboxylic acid, <i>cis</i> -, dimethyl ester	1	1	1								
1151	21669	4-Cyclohexene-1,2-dicarboxylic acid, <i>cis</i> -, dipropyl ester	1	1	1	1	1	1				1	1
1152	20786	3-Cyclohexene-1-glycolic acid, 6-methyl-, butyl ester					1	1					
1153	20785	3-Cyclohexene-1-glycolic acid, 6-methyl-, propyl ester					1	1					
1154	21729	2-Cyclohexene-1-hexanoic acid, allyl ester	1		1		1	1		2	1	1	1
1155	30667	2-Cyclohexene-1-hexanoic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	2	1						
1156	30666	2-Cyclohexene-1-hexanoic acid, 2-butoxyethyl ester	2	1	1	1	1						
1157	21708	2-Cyclohexene-1-hexanoic acid, butyl ester	1		1	2	1	1		1	1	1	1
1158	30661	2-Cyclohexene-1-hexanoic acid, <i>sec</i> -butyl ester	1	1	1	1	1						
1159	21709	2-Cyclohexene-1-hexanoic acid, ethyl ester	1		1	2	1	1		1	1	1	1
1160	30665	2-Cyclohexene-1-hexanoic acid, 1-ethyl-propyl ester	2	1	1	1						1	1
1161	21710	2-Cyclohexene-1-hexanoic acid, isobutyl ester	1		1	1	1	1		1	1	1	1
1162	21703	2-Cyclohexene-1-hexanoic acid, iso-propyl ester	1		1	1	1	1		1	1	1	1
1163	21731	2-Cyclohexene-1-hexanoic acid, 2-methoxyethyl ester	1	1	1		1	1		1	1	1	1
1164	21707	2-Cyclohexene-1-hexanoic acid, methyl ester	1		1	2	1	1		2	1	1	1
1165	30664	2-Cyclohexene-1-hexanoic acid, pentyl ester	1	1	2	2	1						
1166	21702	2-Cyclohexene-1-hexanoic acid, propyl ester	1		1	1	1	1		1	2	1	1
1167	21734	2-Cyclohexene-1-hexanoic acid, 2-propynyl ester	1		1	1	1	1		1	1		
1168	21738	3-Cyclohexene-1-methanol, 1-methyl-, benzoate	1		1	1	1	1					
1169	21914	3-Cyclohexene-1-methanol, 6-methyl-, acetate	1		3	1	1	1					
1170	30099	3-Cyclohexene-1-methanol, <i>alpha, alpha</i> -, 6-trimethyl-, acetate	1	1	3	1	1	1				1	1

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species—Continued*

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1171	19919	ESTERS AND LACTONES—Continued											
1172	21745	Cyclopentanecarboxylic acid, allethrol-onyl ester					1	1					
1173	21750	Cyclopentanecarboxylic acid, 1-hydroxy-, allyl ester	1		1	1	1	1					
1174	21736	Cyclopentanecarboxylic acid, 1-hydroxy-, benzyl ester	1		1	1	1	1				1	1
1175	6138	Cyclopentanecarboxylic acid, 1-hydroxy-, cyclohexyl ester	1		1	1	1	1					
1176	6139	Cyclopentanecarboxylic acid, 1-hydroxy-, cyclopentyl ester	1		1	1	1						
1177	21748	Cyclopentanecarboxylic acid, 1-hydroxy-, ethyl ester	1		1	1	1	1					
1178	21751	Cyclopentanecarboxylic acid, 1-hydroxy-, heptyl ester	1		1	1	1	1					
1179	21744	Cyclopentanecarboxylic acid, 1-hydroxy-, isobutyl ester	2		1	1	1	1					
1180	21735	Cyclopentanecarboxylic acid, 1-hydroxy-, isopropyl ester	1		1	1	1	1					
1181	21747	Cyclopentanecarboxylic acid, 1-hydroxy-, 2-methoxyethyl ester	1		1	1	1	1					
1182	21749	Cyclopentanecarboxylic acid, 1-hydroxy-, methyl ester	1		1	1	1	1					
1183	6141	Cyclopentanecarboxylic acid, 1-hydroxy-, propyl ester	1		1	1	1						
1184	21754	Cyclopentanecarboxylic acid, 2-oxo-, allyl ester	1		1		1	1					
1185	6472	Cyclopentanecarboxylic acid, 2-oxo-, cyclopentyl ester	1		1	1	1			1	2		
1186	21753	Cyclopentanecarboxylic acid, 2-oxo-, isobutyl ester	2		1		1	1		1	1		
1187	21752	Cyclopentanecarboxylic acid, 2-oxo-, pentyl ester	2		1		1	1					
1188	21571	1-Cyclopentene-1-carboxylic acid, propyl ester			1	1	1	1				1	1
1189	21574	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, 2,4-dimethylbenzyl ester					1	1					
1190	21531	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, <i>p</i> -ethoxybenzyl ester					1	1					
1191	21466	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, ethyl ester	1			1	1	1				1	1
1192	21500	Cyclopropanecarboxylic acid, 3-isobutyl-2,2-dimethyl-, <i>m</i> -propoxybenzyl ester					1	1					
1193	31384	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, acetate	1	1	2	1							
1194	31386	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, benzoate	1	1	1	1							
1195	31413	Cyclopropanemethanol, 2,2-dimethyl-3-(2-methylpropenyl)-, formate	2	2	3	1							
1196	1976	Decanoic acid, ethyl ester	1		1								
1197	1458	Diethylene glycol, diacetate	1	1									
1198	24971	Dimethyl ester of adduct of acrylic acid and conjugated linoleic acid	1	1	1	1							
1199	22683	<i>m</i> -Dioxane-2-acetic acid, 2,4-dimethyl-, ethyl ester				1	1	1	1		2		
1200	31532	<i>m</i> -Dioxane-2-propionic acid, 2,4,5,5-tetramethyl-, ethyl ester	1	1	1	1							
1201	31185	Dioxaspiro[4.4]nonane-2-methanol, acetate	1	2	2	2						1	1
1202	31183	1,3-Dioxolane-4-methanol, 2-benzyl-, acetate	1	1	1	1						1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1203	31233	ESTERS AND LACTONES—Continued 1,3-Dioxolane-4-methanol, 2-benzyl-2-methyl-, acetate	2	1	1	2						1	1
1204	31227	1,3-Dioxolane-4-methanol, 2-ethyl-2-methyl-, acetate	2	1	1	1						1	1
1205	31814	1,3-Dioxolane-4-methanol, 2-(<i>p</i> -methoxyphenethyl)-2-methyl-, acetate	1	1	1								
1206	31228	1,3-Dioxolane-4-methanol, 2-(<i>p</i> -methoxyphenyl)-2-methyl-, acetate	1	2	1	1						1	1
1207	31166	1,3-Dioxolane-4-methanol, 2-(6-methyl-3-cyclohexen-1-yl)-, acetate	1	1	1	1						1	1
1208	31360	1,3-Dioxolane-4-methanol, 2-(3,4-methylenedioxyphenyl)-, acetate	1	1	1	1						1	1
1209	31208	1,3-Dioxolane-4-methanol, 2-methyl-2-phenyl-, acetate	1	1	1	1						1	1
1210	31164	1,3-Dioxolane-4-methanol, 2-phenyl-, acetate	1	1	1	1						1	1
1211	22808	1,3-Dioxolane-4-methanol, 2-propenyl-, acetate					1						
1212	31182	1,3-Dioxolane-4-methanol, 2-styryl-, acetate	1	1	1	1						1	1
1213	31186	1,3-Dioxolane-4-methanol, 2- <i>p</i> -tolyl-, acetate	1	1	1	1						1	1
1214	6381	1,3-Dioxolane-2-propionic acid, 2-methyl-, cyclohexyl ester	1	1	2	1							
1215	25089	1,6,10-Dodecatrien-3-ol, 3,7,11-trimethyl-, acetate	1		1	1	1			2	1		
1216	5909	Dodecyl alcohol, formate	1										
1217	20593	Enanthic acid, 2-hydroxy-4,6,6-trimethyl-, ethyl ester	2	1	1	1	1						
1218	18220	Esculetin, 4-methyl-	1			1							
1219	24218	1,1-Ethanediol, diacetate	1	2									
1220	30512	Ethanol, 2-butoxy-, benzoate	1		1	1	1					1	1
1221	30447	Ethanol, 2-butoxy-, formate	1		1	1	1						
1222	30576	Ethanol, 2-(2-butoxyethoxy)-, benzoate	1	1	1	1	1						
1223	30435	Ethanol, 2-(2-butoxyethoxy)-, formate	1		1	1	1						
1224	2094	Ethanol, 2-(<i>p</i> - <i>tert</i> -butylphenoxy)-, acetate					1						
1225	1955	Ethanol, 2-ethoxy-, acetate	2	2	1	1		1					
1226	30508	Ethanol, 2-ethoxy-, benzoate	1		1	1	1					1	1
1227	30507	Ethanol, 2-methoxy-, benzoate	1		1	1	1					1	1
1228	31407	Ethanol, 3,4-methylenedioxyphenoxy-, acetate	1	1	1	1							
1229	404	Ethyl acetate	1										
1230	407	Ethyl formate	1										
1231	8223	Ethylene glycol, diacetate	2	2									
1232	15351	Ethylene glycol, diformate	1	2									
1233	1780	Eugenol, acetate	3	2	2		1						
1234	17540	Fenchyl alcohol, acetate							2	1	1		
1235	30489	Fenchyl alcohol, formate	1		1	1	1					1	1
1236	24238	Formic acid, allyl ester	2	2									
1237	2951	Formic acid, benzyl ester	1	1	1	1							
1238	30443	Formic acid, decyl ester	1		1	1	1						
1239	24239	Formic acid, ester with citronellol	1		1								
1240	21529	Formic acid, heptyl ester			1	1		1					
1241	24240	Formic acid, isobutyl ester	1	1	1	1		1				1	1
1242	15291	Formic acid, isopentyl ester	1	1	1	1							
1243	2941	Formic acid, <i>p</i> -methoxybenzyl ester	1	1	1	1							
1244	21875	Formic acid, <i>m</i> -methylbenzyl ester	1		2	1		1					
1245	30585	Formic acid, nonyl ester	1	1	2	1	1						
1246	18706	Formic acid, octyl ester	1	1	3				2	2	1		
1247	24242	Formic acid, pentyl ester	2		1								
1248	18542	Formic acid, phenethyl ester	1	1	2	1							
1249	24243	Formic acid, propyl ester	1	1									

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ESTERS AND LACTONES—Continued													
1250	30498	Formic acid, tetradecyl ester	1		1	1	1					1	1
1251	30729	Formic acid, undecyl ester	2	1	2	1	1						
1252	5613	Fumaric acid, diethyl ester	1	1									
1253	5863	2-Furanacrylic acid, 2-ethoxyethyl ester	1	1	1	1							
1254	14772	2-Furanacrylic acid, ethyl ester	1	1	1	1							
1255	11016	Furfuryl alcohol, acetate	1	2	1	1							
1256	21209	Furfuryl alcohol, tetrahydro-, acetate	1			1	1	1					
1257	30486	Furfuryl alcohol, tetrahydro-, formate	1		1	1	1					1	1
1258	17136	Gallic acid, propyl ester	1		1		1						
1259	24434	Gentisic acid, propyl ester				1	1	1					
1260	24436	Gentisic acid, x- <i>tert</i> -butyl-, propyl ester				1	1	1					
1261	207	Geraniol, acetate	1		1	1			2			1	1
1262	1978	Geraniol, formate	3	1	1	1							
1263	5633	Glutaric acid, 3-oxo-, dimethyl ester	1			1							
1264	31150	Glycerol, monooleate	1	1	1	1	1						
1265	7356	Glycidic acid, 3-phenyl-, ethyl ester	1	1	3								
1266	10032	Guaiacol, acetate	3	2									
1267	10569	Guaiacol, benzoate	1	1									
1268	20067	Guaiacol, propionate					1	1	1	1	1		
1269	24232	Guaiol, acetate	1										
1270	30742	Heptanoic acid, benzyl ester	1	1	2	1	1						
1271	30745	Heptanoic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	2	1	1						
1272	30750	Heptanoic acid, 2-butoxyethyl ester	1	1	1	1	1						
1273	30738	Heptanoic acid, butyl ester	2	1	1	1	1						
1274	30743	Heptanoic acid, cyclohexyl ester	1	1	2	1	1						
1275	30749	Heptanoic acid, cyclopentyl ester	1	1	1	1	1						
1276	24251	Heptanoic acid, ethyl ester	1	2	1	1							
1277	30748	Heptanoic acid, phenethyl ester	1	1	1	1	1						
1278	30737	Heptanoic acid, propyl ester	2	1	1	1	1						
1279	30744	Heptanoic acid, tetrahydrofurfuryl ester	1	1	2	1	1						
1280	30493	1-Heptanol, 1-methyl-, formate	1		1	1	1					1	1
1281	31354	1-Heptanol, 2-propyl-, benzoate	2	2	2	1							
1282	30526	5-Heptenoic acid, 2-acetyl-3-oxo-, ethyl ester	3	1	1	1	1						
1283	30537	6-Heptenoic acid, 2-allyl-3-oxo-, ethyl ester	2	1	1	2							
1284	32583	1,2-Hexadecanediol, 2-acetate					2						
1285	31758	1,2-Hexadecanediol, 1-benzoate	1	1	1	1	1						
1286	31791	1,2-Hexadecanediol, 2-benzoate	1	1	1	1	1						
1287	31784	1,2-Hexadecanediol, dibenzoate				1	1						
1288	30487	1,3-Hexanediol, 2-ethyl-, diformate	1		1	1	1					1	1
1289	19606	2,5-Hexanediol, dibenzoate	1	1	1		1	1					
1290	2950	Hexanoic acid, allyl ester	1		1	1							
1291	20139	Hexanoic acid, <i>alpha</i> -allylpiperonyl ester					1	1					
1292	31023	Hexanoic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1						
1293	31070	Hexanoic acid, 4- <i>tert</i> -butylcyclohexyl ester	1	1	2	1	1						
1294	31063	Hexanoic acid, 4-cyclohexylcyclohexyl ester	2	1	2	2	1						
1295	22081	Hexanoic acid, 2-cyclohexylethyl ester					1	1					
1296	22715	Hexanoic acid, cyclopentyl ester					1						
1297	22075	Hexanoic acid, diester with 1,4-butanediol					1	1					
1298	31780	Hexanoic acid, diester with 1,2-hexadecanediol	1	1	2	1	1						
1299	31744	Hexanoic acid, diester with 1,12-octadecanediol	1	1	1	2	1						
1300	6334	Hexanoic acid, diester with 1,2-propanediol	1	1	1	1	1						
1301	5741	Hexanoic acid, ester with guaiacol	2	1									
1302	15347	Hexanoic acid, ethyl ester	1		1			1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1303	22079	ESTERS AND LACTONES—Continued											
		Hexanoic acid, 4-ethyl-1-methyloctyl ester					1	1					
1304	22080	Hexanoic acid, 1-ethylpentyl ester					1	1					
1305	22082	Hexanoic acid, 1-ethylpropyl ester					1	1					
1306	20983	Hexanoic acid, eugenyl ester	2			1		1					
1307	31118	Hexanoic acid, heptyl ester	1	1	2	1							
1308	31767	Hexanoic acid, 1-hexyl-12-hydroxy-dodecyl ester	1	1	1	1	1						
1309	13204	Hexanoic acid, 2-(2-hydroxyethoxy)-ethyl ester					1						
1310	31751	Hexanoic acid, 2-hydroxyhexadecyl ester	1	1	1	1	1						
1311	31787	Hexanoic acid, 1-(hydroxymethyl)pentadecyl ester	1	1	1	1	1						
1312	31736	Hexanoic acid, 12-hydroxyoctadecyl ester	1	1	1	2	1						
1313	6351	Hexanoic acid, 5-hydroxypentyl ester	1	1	1	1							
1314	24254	Hexanoic acid, isobutyl ester	1		1			1					
1315	20984	Hexanoic acid, isoeugenyl ester	2			1		1					
1316	573	Hexanoic acid, isopentyl ester	1		1								
1317	31077	Hexanoic acid, 2-isopropylcyclohexyl ester	2	1	1	1	1						
1318	31071	Hexanoic acid, 4-isopropylcyclohexyl ester	2	1	2	2	1						
1319	22076	Hexanoic acid, 2-(2-methoxyethoxy)-ethyl ester					1	1					
1320	2710	Hexanoic acid, 2-methoxyethyl ester					1		2	1	1		
1321	31014	Hexanoic acid, 3-methoxyethyl ester	1	1	1	1	1						
1322	22358	Hexanoic acid, 2-methoxy-1-methylethyl ester					1						
1323	31065	Hexanoic acid, 2-methylcyclohexyl ester	1	1	1	1	1						
1324	22083	Hexanoic acid, 4-methylcyclohexyl ester					1	1					
1325	22398	Hexanoic acid, 1-methyl-2-phenoxyethyl ester					1						
1326	6030	Hexanoic acid, pentyl ester	2		2			1					
1327	22073	Hexanoic acid, phenethyl ester					1	1					
1328	22357	Hexanoic acid, 3-(3-phenoxypropoxy)-propyl ester					1						
1329	18699	Hexanoic acid, 3-phenylpropyl ester					1						
1330	22339	Hexanoic acid, 2-propynyl ester					1						
1331	21181	Hexanoic acid, tetrahydropyran-2-ylmethyl ester	1			1		1					
1332	24255	Hexanoic acid, vinyl ester	2	1									
1333	2543	Hexanoic acid, 2-acetyl-, ethyl ester	1	1	1	1		1					
1334	7443	Hexanoic acid, 2,3-epoxy-3-methyl-, cyclohexyl ester	1	1	1	1	1						
1335	7950	Hexanoic acid, 2-ethyl-, butyl ester					1						
1336	24890	Hexanoic acid, 2-ethyl-, vinyl ester	1		3	1	1			2	1		
1337	25038	Hexanoic acid, 3-hydroxy-, butyl ester	1	1	1	1							
1338	30460	1-Hexanol, 2-ethyl-, formate	1	1	2	1	1					1	1
1339	24776	2-Hexenoic acid, 3,5-dimethyl-, methyl ester	1		1						1		
1340	24256	4-Hexenoic acid, 3-oxo-, octyl ester	1	1	1								
1341	30538	5-Hexenoic acid, ethyl ester	1	1	1	1	1						
1342	24257	Hydracrylic acid, <i>beta</i> -lactone	1										
1343	6220	Hydracrylic acid, <i>beta</i> -phenyl-, methyl ester					1						
1344	7121	Hydrocinnamic acid, <i>alpha</i> , <i>beta</i> -epoxy- <i>beta</i> -methyl-, allyl ester											
1345	7198	Hydrocinnamic acid, <i>alpha</i> , <i>beta</i> -epoxy- <i>beta</i> -methyl-, 2-ethoxyethyl ester	2	1	1	1							
1346	24744	Hydrocoumarin, 6-methyl-			1		1						
1347	11162	Hydroquinone, diacetate	1	1	1	1					1		
1348	31148	Isoalantolactone					1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1349	21626	Isobutyric acid, allyl ester			1			1	1	1	2	1	1
1350	2944	Isobutyric acid, benzyl ester	1	1	2	1							
1351	21635	Isobutyric acid, 2-(2-butoxyethoxy)-ethyl ester			1	1		1				1	1
1352	21634	Isobutyric acid, 2-butoxyethyl ester			1	1		1				1	1
1353	24261	Isobutyric acid, butyl ester	1		2								
1354	19818	Isobutyric acid, 2-sec-butylcyclohexyl ester	1		2			1					
1355	19795	Isobutyric acid, 4-sec-butylcyclohexyl ester	2		1			1					
1356	30488	Isobutyric acid, 4-tert-butylcyclohexyl ester	1		1	1	1					1	1
1357	21663	Isobutyric acid, 2-butyloctyl ester			1	1		1				1	1
1358	30368	Isobutyric acid, 2-(o-sec-butylphenoxy)-1-methylethyl ester	1		1	1	1						
1359	30372	Isobutyric acid, 2-(p-sec-butylphenoxy)-1-methylethyl ester	1		1	1	1						
1360	21588	Isobutyric acid, p-tert-butylphenyl ester	1			1		1				1	1
1361	24262	Isobutyric acid, cinnamyl ester	1										
1362	30464	Isobutyric acid, 2-cyclohexylcyclohexyl ester	1		2	1	1					1	1
1363	30465	Isobutyric acid, 4-cyclohexylcyclohexyl ester	1		2	1	1					1	1
1364	22714	Isobutyric acid, cyclopentyl ester				1	1		1		2		
1365	30735	Isobutyric acid, decyl ester	1	1	1	1	1						
1366	30509	Isobutyric acid, diester with 1,3-butane-diol	1		1	1	1					1	1
1367	30510	Isobutyric acid, diester with 2,3-butane-diol	1		1	1	1					1	1
1368	6321	Isobutyric acid, diester with 1,2-propanediol	1	1	1	1	1						
1369	30170	Isobutyric acid, 2,4-dimethylbenzyl ester	1		2	1	1					1	1
1370	30138	Isobutyric acid, 3,4-dimethylbenzyl ester	1		3	1	1						
1371	30919	Isobutyric acid, 2,2-dimethylpentyl ester	1	1	3	1	1						
1372	24263	Isobutyric acid, 1,1-dimethyl-3-phenyl-propyl ester	1	2									
1373	24264	Isobutyric acid, ester with linalool	2	1	1	1							
1374	21633	Isobutyric acid, 2-ethoxyethyl ester			1	1		1	1	2	2	1	1
1375	6121	Isobutyric acid, ethyl ester	1	2	2	1		1					
1376	21865	Isobutyric acid, alpha-ethylbenzyl ester	2		3	1						1	1
1377	21636	Isobutyric acid, 2-ethylbutyl ester			3	1		1				1	1
1378	21637	Isobutyric acid, 2-ethylhexyl ester			1	1		1				1	1
1379	19817	Isobutyric acid, 4-ethyl-1-methyloctyl ester	1		1			1					
1380	21550	Isobutyric acid, m-ethylphenyl ester	2		2	1		1				1	1
1381	21565	Isobutyric acid, p-ethylphenyl ester	1		1	1		1				1	1
1382	21506	Isobutyric acid, heptyl ester			1	1		1				1	1
1383	19791	Isobutyric acid, hexyl ester	1		2			1					
1384	6122	Isobutyric acid, isobutyl ester	1	1	2	1							
1385	19794	Isobutyric acid, 4-isopropylcyclohexyl ester	2		2								
1386	21586	Isobutyric acid, o-isopropylphenyl ester	3			1		1				1	1
1387	21587	Isobutyric acid, p-isopropylphenyl ester	2			1		1				1	1
1388	21924	Isobutyric acid, 3-methoxybutyl ester	1		1	1		1				1	1
1389	21630	Isobutyric acid, 2-methoxyethyl ester			1	1		1				1	1
1390	30365	Isobutyric acid, 2-methoxy-1-methyl-ethyl ester	1		2	1	1						
1391	21877	Isobutyric acid, m-methylbenzyl ester	1		3	1		1					
1392	30502	Isobutyric acid, 4-methylcyclohexyl ester	1		3	1	1					1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ESTERS AND LACTONES—Continued													
1393	21664	Isobutyric acid, 1-methylheptyl ester	---	---	1	1	---	1	---	---	---	1	1
1394	21566	Isobutyric acid, 1-naphthyl ester	2	---	1	1	---	1	---	---	---	1	1
1395	30455	Isobutyric acid, 1-naphthylmethyl ester	1	---	1	1	1	---	---	---	---	1	1
1396	30670	Isobutyric acid, <i>p</i> -nonylphenyl ester	1	1	1	1	1	---	---	---	---	---	---
1397	24265	Isobutyric acid, octyl ester	1	1	1	---	1	---	---	---	---	---	---
1398	2711	Isobutyric acid, 2-phenoxyethyl ester	1	1	1	---	---	---	---	---	---	---	---
1399	31007	Isobutyric acid, piperonyl ester	2	2	1	1	1	---	---	---	---	---	---
1400	6018	Isobutyric acid, propyl ester	3	---	1	1	---	---	---	---	---	---	---
1401	19793	Isobutyric acid, tetrahydrofurfuryl ester	2	---	1	---	---	---	---	---	---	---	---
1402	21182	Isobutyric acid, tetrahydropyran-2-ylmethyl ester	1	---	1	1	---	1	---	1	1	---	---
1403	30731	Isobutyric acid, <i>p</i> -(1,1,3,3-tetramethylbutyl)phenyl ester	1	1	1	1	1	---	---	---	---	---	---
1404	30503	Isobutyric acid, thymyl ester	1	---	1	1	1	---	---	---	---	---	---
1405	21544	Isobutyric acid, <i>o</i> -tolyl ester	1	---	3	1	---	1	---	---	---	1	1
1406	21545	Isobutyric acid, <i>p</i> -tolyl ester	1	---	1	1	---	1	---	---	---	1	1
1407	30899	Isobutyric acid, undecyl ester	1	1	2	1	1	---	---	---	---	---	---
1408	24267	Isoeugenol, acetate	1	---	---	---	---	---	---	---	---	---	---
1409	24268	Isogeraniol, acetate	1	1	1	---	---	---	---	---	---	---	---
1410	24271	Isovaleric acid, allyl ester	1	1	---	---	---	---	---	---	---	---	---
1411	2953	Isovaleric acid, benzyl ester	1	---	2	1	---	---	---	---	---	---	---
1412	24272	Isovaleric acid, cinnamyl ester	1	---	---	---	---	---	---	---	---	---	---
1413	30121	Isovaleric acid, 2-cyclohexylcyclohexyl ester	1	2	1	1	1	---	---	---	---	---	---
1414	31427	Isovaleric acid, 4-cyclohexylcyclohexyl ester	1	2	1	2	---	---	---	---	---	---	---
1415	30600	Isovaleric acid, cyclopentyl ester	1	1	3	1	1	---	---	---	---	---	---
1416	30988	Isovaleric acid, diester with <i>p</i> -xylene- α,α' -diol	1	1	1	2	1	---	---	---	---	---	---
1417	30389	Isovaleric acid, 2,4-dimethylbenzyl ester	1	---	2	---	1	---	---	---	---	---	---
1418	30141	Isovaleric acid, 3,4-dimethylbenzyl ester	1	---	2	1	1	---	---	---	---	---	---
1419	30976	Isovaleric acid, 2,2-dimethylpentyl ester	1	1	3	1	1	---	---	---	---	1	1
1420	24273	Isovaleric acid, ester with linalool	1	---	1	1	---	---	---	---	---	---	---
1421	21996	Isovaleric acid, ethyl ester	1	1	1	1	---	1	1	---	---	1	1
1422	31424	Isovaleric acid, α -ethylbenzyl ester	2	1	3	1	---	---	---	---	---	---	---
1423	31422	Isovaleric acid, <i>p</i> -methoxybenzyl ester	2	3	2	1	---	---	---	---	---	---	---
1424	21878	Isovaleric acid, <i>m</i> -methylbenzyl ester	2	---	3	1	---	1	---	---	---	---	---
1425	30598	Isovaleric acid, octyl ester	1	1	1	1	1	---	---	---	---	---	---
1426	31844	Isovaleric acid, <i>p</i> -(3-oxobutyl)phenyl ester	1	2	1	---	---	---	---	---	---	---	---
1427	30606	Isovaleric acid, phenethyl ester	2	1	2	1	1	1	---	---	---	---	---
1428	30608	Isovaleric acid, 3-phenylpropyl ester	1	1	1	1	1	---	---	---	---	---	---
1429	24274	Isovaleric acid, <i>p</i> -tolyl ester	1	---	---	1	---	---	---	---	---	---	---
1430	3166	Lactic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	1	---	---	---	---	---	---
1431	397	Lactic acid, butyl ester	1	---	1	1	1	---	---	---	---	---	---
1432	3303	Lactic acid, decyl ester	1	1	1	1	1	---	---	---	---	---	---
1433	1356	Lactic acid, 2-ethoxyethyl ester	2	2	---	---	1	---	---	---	---	---	---
1434	395	Lactic acid, ethyl ester	1	---	1	---	1	1	---	---	---	---	---
1435	591	Lactic acid, 2-ethylbutyl ester	1	1	1	1	---	---	---	---	---	---	---
1436	604	Lactic acid, 2-ethylbutyl ester, acetate	1	1	1	1	---	---	---	---	---	---	---
1437	603	Lactic acid, hexyl ester, acetate	1	1	2	1	---	---	---	---	---	---	---
1438	17815	Lactic acid, isobutyl ester	---	---	1	---	---	---	---	---	---	---	---
1439	589	Lactic acid, isopentyl ester	1	1	1	1	---	---	---	---	---	---	---
1440	602	Lactic acid, isopentyl ester, acetate	2	1	1	1	---	---	---	---	---	---	---
1441	586	Lactic acid, isopropyl ester	1	1	1	1	---	---	---	---	---	---	---
1442	584	Lactic acid, methyl ester	1	1	1	1	---	1	---	---	---	---	---
1443	9122	Lactic acid, 2-methyl-, ethyl ester	1	1	2	---	1	---	---	---	---	---	---
1444	24275	Lactic acid, 2-methyl-, hexyl ester	1	1	---	---	---	---	---	---	---	---	---
1445	20733	Lactic acid, 3-phenyl-, ethyl ester	---	---	---	---	1	1	---	---	---	---	---
1446	20735	Lactic acid, 3-phenyl-, pentyl ester	1	1	1	1	1	1	---	---	---	---	---
1447	20734	Lactic acid, 3-phenyl-, propyl ester	2	1	2	1	1	1	---	---	---	---	---
1448	2318	Lauric acid, allyl ester	---	---	---	---	1	---	---	---	---	---	---

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1449	17966	Lauric acid, benzyl ester					1						
1450	820	Lauric acid, 2-butoxyethyl ester	1	1	2		1						
1451	8303	Lauric acid, butyl ester					1						
1452	2157	Lauric acid, 2-(<i>p</i> - <i>tert</i> -butylphenoxy)ethyl ester	2	1	2		1						
1453	7268	Lauric acid, diester with 2,5-dimethylcyclohexane-1,1-dimethanol					1						
1454	31782	Lauric acid, diester with 1,2-hexadecanediol	1	1	1	2	1						
1455	31746	Lauric acid, diester with 1,12-octadecanediol	1	1	2	2	1						
1456	3487	Lauric acid, 2-(1,3-diisopentyloxy)propyl ester					1						
1457	3486	Lauric acid, 2-(1,3-dimethoxy)propyl ester					1						
1458	422	Lauric acid, 2-[<i>p</i> -(1,1-dimethylpropyl)phenoxy]ethyl ester					1						
1459	18181	Lauric acid, dodecyl ester	1	1	1		1						
1460	9518	Lauric acid, ester with 2-methyl-1,3-dioxolane-4-methanol	1	1	1		1						
1461	22468	Lauric acid, ester with tetrahydrofuran-2-propanol					1						
1462	821	Lauric acid, 2-(2-ethoxyethoxy)ethyl ester					1						
1463	824	Lauric acid, 2-ethoxyethyl ester	1	1	2		1						
1464	645	Lauric acid, ethyl ester	1	1	1	1							
1465	3485	Lauric acid, ethylene glycol diester	2				1	1					
1466	3481	Lauric acid, glycidyl ester	2	1	1		1						
1467	31769	Lauric acid, 1-hexyl-12-hydroxydodecyl ester				2	1						
1468	4785	Lauric acid, hydroabietyl ester					1						
1469	1504	Lauric acid, 2-hydroxyethyl ester, polymer	1				1						
1470	31756	Lauric acid, 2-hydroxyhexadecyl ester	1	1	1	2	1						
1471	31789	Lauric acid, 1-(hydroxymethyl)pentadecyl ester	1	1	1	1	1						
1472	31738	Lauric acid, 12-hydroxyoctadecyl ester	1	1	1	1	1						
1473	968	Lauric acid, 2-hydroxypropyl ester	1	1	2		1	1					
1474	8323	Lauric acid, isobutyl ester					1	1					
1475	669	Lauric acid, methyl ester	1	1	2	1	1						
1476	1311	Lauric acid, monester with mannitan					1						
1477	425	Lauric acid, pentyl ester	1	1	1		1						
1478	16013	Lauric acid, 6-propylpiperonyl ester					1	1					
1479	3489	Lauric acid, tetrahydrofurfuryl ester					1						
1480	4786	Lauric acid, 3,4,5-trimethylcyclohexyl ester	2	1	2		1						
1481	2320	Levulinic acid, benzyl ester	1	1	1	1	1						
1482	518	Levulinic acid, butyl ester		1	1								
1483	3924	Levulinic acid, cyclohexyl ester	1	1	1	1							
1484	677	Levulinic acid, ethyl ester	3	1									
1485	941	Linalool, acetate	2		1	1	1						
1486	24279	Linalool, benzoate	1										
1487	24241	Linalool, formate	2		2	1							
1488	2531	Maleic acid, diallyl ester	2	2									
1489	20831	Malic acid, DL-, bis(1-methylbutyl) ester	1	1	2	1	1	1					
1490	20828	Malic acid, DL-, diisobutyl ester	1	1	1	1	1	1					
1491	20830	Malic acid, DL-, diisopentyl ester	2	1	1	1	1	1					
1492	20829	Malic acid, DL-, dipentyl ester	2	2	1	1	1	1					
1493	656	Malonic acid, diethyl ester	1	1	1				1				
1494	6356	Malonic acid, butyl-, diethyl ester	2		1								
1495	5656	Malonic acid, furfurylidene-, diethyl ester	2			1							
1496	2939	Malonic acid, phenethyl-, diethyl ester	2	2	2	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ESTERS AND LACTONES—Continued													
1497	10502	Malonic acid, piperonyl-, diethylester	2			1							
1498	5686	Malonic acid, piperonylidene-, dibutyl ester	2										
1499	5688	Malonic acid, piperonylidene-, diethyl ester	1		1	1							
1500	20241	Mandelic acid, allyl ester	1			1	1	1	1	1			
1501	1789	Mandelic acid, butyl ester	1				1						
1502	20242	Mandelic acid, <i>sec</i> -butyl ester	1			1	1	1					
1503	20097	Mandelic acid, 2-butyloctyl ester	1			1	1	1					
1504	20240	Mandelic acid, cyclohexyl ester	1				1	1					
1505	20045	Mandelic acid, 2,6-dimethyl-4-heptyl ester	1				1	1					
1506	1643	Mandelic acid, ethyl ester	2	1	2	1	1						
1507	20036	Mandelic acid, ethyl ester, acetate	2			1		1					
1508	20042	Mandelic acid, ethyl ester, benzoate	1										
1509	20035	Mandelic acid, ethyl ester, butyrate	1					1					
1510	20037	Mandelic acid, ethyl ester, propionate	2			1		1					
1511	20099	Mandelic acid, 1-ethylpentyl ester	1			1	1	1					
1512	20098	Mandelic acid, 2-ethylhexyl ester	1			1	1	1					
1513	20128	Mandelic acid, heptyl ester	1			1	1	1					
1514	20351	Mandelic acid, isopentyl ester	1			1	1	1					
1515	1788	Mandelic acid, isopropyl ester	1				1						
1516	1787	Mandelic acid, methyl ester	1				1						
1517	20096	Mandelic acid, 2-methylpentyl ester	1			1	1	1					
1518	20129	Mandelic acid, octyl ester	1				1	1					
1519	20127	Mandelic acid, pentyl ester					1	1					
1520	20081	Mandelic acid, 2-phenylcyclohexyl ester	1			1	1	1					
1521	20224	Mandelic acid, propyl ester	1		1		1	1					
1522	21297	Mandelic acid, 2,4-dimethyl-, ethyl ester	1		1	1	1	1					
1523	20545	Mandelic acid, <i>p</i> -isopropyl-, allyl ester				1	1	1					
1524	20125	Mandelic acid, <i>p</i> -methoxy-, ethyl ester					1	1					
1525	24946	Methacrylic acid, methyl ester	1	1	1	1		1	1	2	1		
1526	20146	4,7-Methanoinden-6-ol, 3a,4,5,6,7,7a-hexahydro-, acetate					1	1					
1527	18551	4,7-Methanoinden-6-ol, 3a,4,5,6,7,7a-hexahydro-, formate		1		1						2	1
1528	7958	Myristic acid, butyl ester				1	1						
1529	1489	Myristic acid, cyclohexyl ester	1	1	2	1	1						
1530	31614	Myristic acid, decyl ester	1	1	1	2	1						
1531	31783	Myristic acid, diester with 1,2-hexadecanediol	1	1	1	2	1						
1532	31747	Myristic acid, diester with 1,12-octadecanediol	1	1	1	2	1						
1533	3497	Myristic acid, diethylene glycol diester				1	1						
1534	3498	Myristic acid, 1,3-dimethoxy-2-propyl ester					1	1					
1535	31616	Myristic acid, dodecyl ester	1	1	1	1	1						
1536	3495	Myristic acid, ethylene ester				1	1						
1537	3490	Myristic acid, glycidyl ester				1	1						
1538	31611	Myristic acid, heptyl ester	1	1	1	2	1						
1539	31550	Myristic acid, hexyl ester				2	1						
1540	31770	Myristic acid, 1-hexyl-12-hydroxydecanol ester	1	1	1	1	1						
1541	3496	Myristic acid, 2-(2-hydroxyethoxy)ethyl ester					1	1					
1542	3494	Myristic acid, 2-hydroxyethyl ester				1	1						
1543	31757	Myristic acid, 2-hydroxyhexadecyl ester	1	1	1	1	1						
1544	31790	Myristic acid, 1-(hydroxymethyl)pentadecyl ester	1	1	2	1	1						
1545	31739	Myristic acid, 12-hydroxyoctadecyl ester	2	2	1	1	1						
1546	1095	Myristic acid, isopropyl ester				1	1						
1547	1980	Myristic acid, methyl ester	1	1	1	1	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1548	31613	Myristic acid, nonyl ester	1	1	1	2	1						
1549	31612	Myristic acid, octyl ester	1	2	1	2	1						
1550	31610	Myristic acid, pentyl ester	1	1	1	1	1						
1551	31609	Myristic acid, propyl ester	1	1	1	2	1						
1552	31615	Myristic acid, undecyl ester	1	1	1	1	1						
1553	30445	1-Naphthoic acid, isopentyl ester				1							
1554	11236	1-Naphthoic acid, methyl ester	1	1	1	1							
1555	31050	1-Naphthoic acid, piperonyl ester					1						
1556	30454	1-Naphthoic acid, propyl ester				1						1	1
1557	30207	2-Naphthoic acid, 3-allyloxy-, methyl ester	2	1	2	1	1					1	1
1558	30205	2-Naphthoic acid, 3-hydroxy-, methyl ester	2	1	1	1						1	1
1559	13187	Nonanoic acid, ethyl ester	1										
1560	30533	Nonanoic acid, 2-acetyl-4-oxo-, ethyl ester	1	1	1	1	1						
1561	24294	Nonanoic acid, 4-hydroxy-, gamma-lactone	1										
1562	19610	2-Nonanol, 5-ethyl-, benzoate	1	1	1		1	1					
1563	10016	1,18-Octadecanedioic acid, diethyl ester	2			1							
1564	31733	1,12-Octadecanediol, 1-acetate	1	1	1	1	1						
1565	31764	1,12-Octadecanediol, 12-acetate	1	1	1	1	1						
1566	31740	1,12-Octadecanediol, 1-benzoate	1	1	1	1	1						
1567	31771	1,12-Octadecanediol, 12-benzoate	2	2	1	1	1						
1568	31741	1,12-Octadecanediol, diacetate	1	2	1	1	1						
1569	31748	1,12-Octadecanediol, dibenzoate	1	1	1	1	1						
1570	30511	1-Octadecanol, formate					1					1	1
1571	25079	2,6-Octadienoic acid, 3,7-dimethyl-, ethyl ester	1		1	1	1			1	1		
1572	25077	3,6-Octadien-1-ol, 3,7-dimethyl-, acetate and 6-octen-1-ol, 7-methyl-3-methyl-ene-, acetate	1		1	1	1				1		
1573	30977	Octanoic acid, benzyl ester	1	1	1	1	1						
1574	30983	Octanoic acid, butyl ester	1	1	1	1	1						
1575	30982	Octanoic acid, sec-butyl ester	2	1	2	1	1						
1576	31004	Octanoic acid, tert-butyl ester	1	1	2	1	1						
1577	30978	Octanoic acid, cyclohexyl ester	1	1	1	1	1						
1578	31059	Octanoic acid, 2-cyclohexylcyclohexyl ester	1	1	2	2	1						
1579	31064	Octanoic acid, 4-cyclohexylcyclohexyl ester	1	1	1	1	1						
1580	31009	Octanoic acid, cyclopentyl ester	2	1	2	1	1						
1581	31781	Octanoic acid, diester with 1,2-hexadecanediol	1	1	1	1	1						
1582	31745	Octanoic acid, diester with 1,12-octadecanediol	1	1	1	1	1						
1583	1977	Octanoic acid, ethyl ester	1		1								
1584	31019	Octanoic acid, 2-ethylbutyl ester	1	1	1	1	1						
1585	31016	Octanoic acid, 1-ethylpentyl ester	1	1	1	1	1						
1586	31006	Octanoic acid, 1-ethylpropyl ester	1	1	2	1	1						
1587	31018	Octanoic acid, heptyl ester	1	1	1	1	1						
1588	31768	Octanoic acid, 1-hexyl-12-hydroxydeceyl ester	1	1	1	1	1						
1589	31752	Octanoic acid, 2-hydroxyhexadecyl ester	1	1	1	2	1						
1590	31788	Octanoic acid, 1-(hydroxymethyl)penta-decyl ester	1	1	1	2	1						
1591	31737	Octanoic acid, 12-hydroxyoctadecyl ester	1	1	1	1	1						
1592	31003	Octanoic acid, isobutyl ester	1	1	1	1	1						
1593	1827	Octanoic acid, isopentyl ester	1	1	1	1							
1594	30981	Octanoic acid, isopropyl ester	2	1	2	1	1						
1595	31057	Octanoic acid, 2-methylcyclohexyl ester	2	1	2	2	1						
1596	31375	Octanoic acid, 3,4-methylenedioxy-phenyl ester	1	2	1	1	1						

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species—Continued*

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ESTERS AND LACTONES—Continued													
1597	31017	Octanoic acid, octyl ester.....	2	1	2	1	1						
1598	24295	Octanoic acid, pentyl ester.....	1	1	1	1							
1599	31010	Octanoic acid, phenethyl ester.....	2	1	2	1	1						
1600	31022	Octanoic acid, phenyl ester.....	1	1	1	1	1						
1601	31008	Octanoic acid, piperonyl ester.....	1	1	2	1	1						
1602	30979	Octanoic acid, propyl ester.....	2	1	2	1	1						
1603	31025	Octanoic acid, <i>m</i> -tolyl ester.....	1	1	1	1	1						
1604	31024	Octanoic acid, <i>o</i> -tolyl ester.....	1	1	1	2	1						
1605	31049	Octanoic acid, <i>p</i> -tolyl ester.....	1	1	1	2	1						
1606	25037	Octanoic acid, 3-hydroxy-, butyl ester.....	1	1	1	1							
1607	30444	1-Octanol, 2-butyl-, formate.....	1		1	1	1						
1608	30540	7-Octenoic acid, 3-oxo-, methyl ester.....	1	1	1	1	1						
1609	24779	5-Octen-3-ol, 3,6-dimethyl-, acetate.....	2		2		1				1		
	25077	6-Octen-1-ol, 7-methyl-3-methylene-, acetate and 3,6-octadien-1-ol, 3,7-dimethyl-, acetate. (See item 1572.)											
1610	205	6(or 7)-Octen-1-ol, 3,7-dimethyl-, acetate.....	1	1	1								
1611	2039	<i>d</i> -6(or 7)-Octen-1-ol, 3,7-dimethyl-, acetate.....	1						2				
1612	25075	6-Octen-1-yn-3-ol, 3,7-dimethyl-, acetate.....	1		1	1	1			1	1		
1613	24794	1-Octyn-3-ol, 3-ethyl-, acetate.....	2		2								
1614	651	Oleic acid, methyl ester.....	1	1	1	1	1						
1615	974	Olein, mono-.....	1										
1616	23843	Orthoacetic acid, triethyl ester.....	2	2						1			
1617	24332	Orthoacetic acid, trimethyl ester.....	1	1									
1618	24333	Orthoformic acid, triethyl ester.....	2	1					1				
1619	25021	7-Oxabicyclo[4.1.0]heptane-3-carboxylic acid, 4-methyl-, <i>sec</i> -butyl ester.....			3	1	1			1	1		
1620	6011	Oxalic acid, dibutyl ester.....	1		1								
1621	15352	Oxalic acid, diethyl ester.....	2	1	1								
1622	6013	Oxalic acid, diisopentyl ester.....	1	1		1							
1623	11244	Oxalic acid, diisopropyl ester.....	1	1									
1624	21214	Oxalic acid, dimethyl ester.....	2	2				1					
1625	20359	Palmitic acid, <i>alpha</i> -allylpiperonyl ester.....				1	1	1					
1626	31585	Palmitic acid, benzyl ester.....	1	1	1	1	1						
1627	31138	Palmitic acid, bornyl ester.....				1	1						
1628	7959	Palmitic acid, butyl ester.....	1	1	1	1	1						
1629	31577	Palmitic acid, <i>sec</i> -butyl ester.....	1	1	1	2	1						
1630	31578	Palmitic acid, <i>tert</i> -butyl ester.....	1	1	1	2	1						
1631	31136	Palmitic acid, 2- <i>sec</i> -butyleyclohexyl ester.....				1	1						
1632	31725	Palmitic acid, 1-butyl-1,4-diethyl-4-hydroxy-2-octynyl ester.....	1	1	1	2	1						
1633	31134	Palmitic acid, citronellyl ester.....				1	1						
1634	30710	Palmitic acid, cyclohexyl ester.....	1	1	1	1	1						
1635	31582	Palmitic acid, decyl ester.....	2	1	2	1	1						
1636	31711	Palmitic acid, 1,1-diallyl-4-hydroxy-4-methyl-6-heptenyl ester.....	1	1	1	2	1						
1637	31712	Palmitic acid, diester with 4-allyl-7-methyl-1,9-decadiene-4,7-diol.....	1	2	1	2	1						
1638	31696	Palmitic acid, diester with 1,3-butanediol.....	2	2	1	2	1						
1639	31968	Palmitic acid, diester with 1,4-butanediol.....	1	1	1		1						
1640	31731	Palmitic acid, diester with 2-butyl-2-ethyl-1,3-propanediol.....	1	1	1	1	1						
1641	31763	Palmitic acid, diester with 3,5-decanediol.....	1	1	1	1	1						
1642	31726	Palmitic acid, diester with 5,8-diethyl-6-dodecyne-5,8-diol.....	2	1	1	2	1						
1643	31724	Palmitic acid, diester with 6,9-diethyl-7-tetradecyne-6,9-diol.....	1	1	1	2	1						
1644	31710	Palmitic acid, diester with 3,6-diisopropyl-2,7-dimethyl-4-octyne-3,6-diol.....	1	1	1	2	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1645	31728	ESTERS AND LACTONES—Continued											
1646	31716	Palmitic acid, diester with 2,2-dimethyl-1,3-butanediol	1	1	1	1	1						
1647	31720	Palmitic acid, diester with 2,5-dimethyl-3-hexyne-2,5-diol	1	1	1	2	1						
1648	31700	Palmitic acid, diester with 2,7-dimethyl-2,7-octanediol	1	1	1	2	1						
1649	31705	Palmitic acid, diester with 3,6-dimethyl-3,6-octanediol	1	1	1	1	1						
1650	31718	Palmitic acid, diester with 3,6-dimethyl-4-octyne-3,6-diol	2	1	1	2	1						
1651	31708	Palmitic acid, diester with 6,9-dimethyl-7-tetradecyne-6,9-diol	1	1	2	1	1						
1652	31140	Palmitic acid, diester with 5-ethyl-4,6-decanediol	1	1	1	1	1						
1653	31694	Palmitic acid, diester with 2-ethyl-1,3-hexanediol					1						
1654	31762	Palmitic acid, diester with 3-ethyl-2,4-octanediol	1	1	2	1	1						
1655	31777	Palmitic acid, diester with 7-methyl-3,5-octanediol	2	1	1	1	1						
1656	31706	Palmitic acid, diester with 1,2-octanediol	2	1	1	2	1						
1657	31702	Palmitic acid, diester with 1,5-pentane-diol	1	1	1	1	1						
1658	31702	Palmitic acid, diester with 1,3-propan -diol	1	1	1	1	1						
1659	31722	Palmitic acid, diester with 2,3,6,7-tetra-methyl-4-octyne-3,6-diol	1	1	1	2	1						
1659	31714	Palmitic acid, diester with 3,6,8-tri-methyl-4-nonyne-3,6-diol	1	1	1	2	1						
1660	31723	Palmitic acid, 1,4-diethyl-4-hydroxy-1-pentyl-2-nonyl ester	1	1	1	2	1						
1661	3506	Palmitic acid, diethylene glycol diester					1						
1662	3500	Palmitic acid, 2,3-dihydroxypropyl ester	1	2	1	1	1						
1663	3507	Palmitic acid, 1,3-dimethoxy-2-propyl ester					1						
1664	31170	Palmitic acid, 2,2-dimethylpentyl ester				1	1						
1665	31171	Palmitic acid, 2-(2,2-dimethylpropyl)-2-propenyl ester				1	1						
1666	31584	Palmitic acid, dodecyl ester	1	1	1	1	1						
1667	6331	Palmitic acid, ethyl ester	1	2	2	1	1						
1668	3504	Palmitic acid, ethylene ester					1						
1669	31580	Palmitic acid, 2-ethylhexyl ester	1	1	1	2	1						
1670	31699	Palmitic acid, 1-ethyl-4-hydroxy-1,4-dimethylhexyl ester	2	2	2	2	1						
1671	31704	Palmitic acid, 1-ethyl-4-hydroxy-1,4-dimethyl-2-hexynyl ester	1	1	1	1	1						
1672	31693	Palmitic acid, 2-ethyl-3-hydroxy-1-methylheptyl ester	1	1	1	2	1						
1673	31730	Palmitic acid, 2-ethyl-2-(hydroxy-methyl)hexyl ester	1	1	1	2	1						
1674	31707	Palmitic acid, 2-ethyl-3-hydroxy-1-propylheptyl ester	2	1	1	2	1						
1675	31713	Palmitic acid, 1-ethyl-4-hydroxy-1,4,6-trimethyl-2-heptynyl ester	1	1	1	2	1						
1676	31133	Palmitic acid, 1-ethylpropyl ester				1	1						
1677	31131	Palmitic acid, geranyl ester				1	1						
1678	3501	Palmitic acid, glyceryl diester					1						
1679	3499	Palmitic acid, glycidyl ester					1						
1680	31549	Palmitic acid, heptyl ester				2	1						
1681	31703	Palmitic acid, <i>trans</i> -2-hexadecenyl ester	1	1	1	2	1						
1682	30711	Palmitic acid, hexyl ester	1	1	1	2	1						
1683	31695	Palmitic acid, 3-hydroxybutyl ester	1	1	1	2	1						
1684	31697	Palmitic acid, 4-hydroxybutyl ester	1	1	1	2	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1685	31727	ESTERS AND LACTONES—Continued											
		Palmitic acid, 3-hydroxy-2,2-dimethyl-butyl ester	1	1	1	1	1						
1686	31717	Palmitic acid, 4-hydroxy-1,4-dimethyl-1-pentyl-2-nonyl ester	2	2	2	1	1						
1687	3505	Palmitic acid, 2-(2-hydroxyethoxy)ethyl ester					1						
1688	3503	Palmitic acid, 2-hydroxyethyl ester					1						
1689	31721	Palmitic acid, 4-hydroxy-1-isopropyl-1,4,5-trimethyl-2-hexynyl ester	1	1	1	1	1						
1690	31732	Palmitic acid, 2-(hydroxymethyl)-2-methylpentyl ester	1	1	1	1	1						
1691	31701	Palmitic acid, 3-hydroxy-1-methyloctyl ester	1	2	2	2	1						
1692	31141	Palmitic acid, 1-[2-(hydroxymethyl)propyl]butyl ester	1	1	1	1	1						
1693	31692	Palmitic acid, 5-hydroxypentyl ester	1	1	1	1	1						
1694	31775	Palmitic acid, 12-hydroxyoctadecyl ester	2	1	1	2	1						
1695	31754	Palmitic acid, 1-hydroxy-2-propyl ester	1	1	1	1	1						
1696	31760	Palmitic acid, 1-hydroxy-2-propyl ester, acetate	2	2	1	2	1						
1697	31761	Palmitic acid, 2-hydroxypropyl ester	1	1	1	1	1						
1698	31146	Palmitic acid, 5-hydroxy-4 <i>H</i> -pyran-4-one-2-methyl ester	1	1	1	1	1						
1699	31709	Palmitic acid, 4-hydroxy-1,1,4-triisopropyl-5-methyl-2-hexenyl ester	1	1	1	2	1						
1700	31719	Palmitic acid, 6-hydroxy-1,1,6-trimethylheptyl ester	2	2	2	2	1						
1701	31715	Palmitic acid, 4-hydroxy-1,1,4-trimethyl-2-pentynyl ester	1	1	1	1	1						
1702	31755	Palmitic acid, 3-hydroxy-1,2,2-trimethylpropyl ester	1	1	1	1	1						
1703	31729	Palmitic acid, 3-hydroxy-1,2,2-trimethyl-3-(trityloxy)propyl ester	1	1	1	1	1						
1704	31576	Palmitic acid, isobutyl ester	1	1	1	2	1						
1705	31137	Palmitic acid, 2-isopropylcyclohexyl ester				1	1						
1706	31132	Palmitic acid, 4-isopropylcyclohexyl ester				1	1						
1707	31139	Palmitic acid, menthyl ester				2	1						
1708	30269	Palmitic acid, 2-methoxy-1-methylethyl ester	1	1	1	1	1					1	1
1709	31172	Palmitic acid, 3-methoxypropyl ester				1	1						
1710	3509	Palmitic acid, methyl ester	1	1	2	1	1						
1711	31169	Palmitic acid, 2-methylallyl ester				1	1						
1712	31135	Palmitic acid, 2-methylcyclohexyl ester				1	1						
1713	31579	Palmitic acid, 2-methylpentyl ester	1	1	1	2	1						
1714	31581	Palmitic acid, nonyl ester	1	1	1	1	1						
1715	30713	Palmitic acid, octadecyl ester	1	1	1	2	1						
1716	30712	Palmitic acid, octyl ester	1	1	1	1	1						
1717	31548	Palmitic acid, pentyl ester				1							
1718	31575	Palmitic acid, propyl ester	1	1	1	1	1						
1719	31583	Palmitic acid, undecyl ester	1	1	1	1	1						
1720	31759	Palmitin, tri-	1	1	1	2	1						
1721	30956	Pentadecanoic acid, 15-hydroxy-, lactone	1	1	1	1	1						
1722	30492	1,3-Pentanediol, 2,2,4-trimethyl-, diformate	1		1	1	1					1	1
1723	6407	1,5-Pentanediol, diformate	1		1	1							
1724	30915	1-Pentanol, 2,2-dimethyl-, benzoate	1	1	2	1	1						
1725	19592	1-Pentanol, 1-ethyl-, benzoate	1	1	3		1	1					
1726	25337	1-Pentanol, 2-ethyl-4-methyl-, acetate	2	1	1	2	1					1	
1727	19593	3-Pentanol, benzoate	1		2	1	1	1					
1728	24764	2-Pentenoic acid, 2-benzoyl-, ethyl ester	2		2		1				1		

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1729	30529	ESTERS AND LACTONES—Continued											
1730	24339	4-Pentenoic acid, 2-acetyl-2-allyl-, ethyl ester	2	1	1	1	1						
1731	20635	Phenethyl alcohol, <i>alpha</i> , <i>alpha</i> -dimethyl-, acetate	1		2		1	1	1	2	1		
1732	21138	Phenethyl alcohol, <i>alpha</i> -ethyl-, formate					1	1	1				
1733	20008	Phenol, 2-allyl-6-methoxy-, acetate	3		1	1		1					
1734	20007	Phenol, <i>x,x</i> -bis(1,1-dimethylpropyl)-, acetate					1	1					
1735	20010	Phenol, 2,4-bis(1-methylbutyl)-, acetate	1	1	1		1	1					
1736	30706	Phenol, 2- <i>tert</i> -butyl-6-isopropyl-, acetate					1	1					
1737	20015	Phenol, 4- <i>tert</i> -butyl-2-(<i>alpha</i> -methylbenzyl)-, acetate					1						
1738	19608	Phenol, 2,4-di- <i>tert</i> -butyl-6-isopropyl-, acetate	2	1	2		1	1					
1739	20014	Phenol, <i>m</i> -ethyl-, benzoate	1	1	1		1	1					
1740	19605	Phenol, <i>p</i> -ethyl-, acetate	1	1	1		1	1	1	1	1		
1741	18256	Phenol, <i>o</i> -isopropyl-, acetate	1			1			1	2	1		
1742	20009	Phenol, <i>p</i> -isopropyl-, acetate					1		2	1	1		
1743	30573	Phenol, <i>m</i> -methoxy-, acetate	2	1	1	1	1						
1744	22704	Phenol, <i>p</i> -methoxy-, acetate					1						
1745	21101	Phenol, 3,4-methylenedioxy-, acetate	1	2	2	1		1				1	1
1746	18254	Phenol, <i>p</i> -nonyl-, acetate	2			1							
1747	30672	Phenol, <i>p</i> -nonyl-, benzoate	3	2	1	1	1						
1748	30726	Phenol, <i>p</i> -(1,1,3,3-tetramethylbutyl)-, acetate	2	2	1	1	1						
1749	9081	Phenolphthalein	1	1	1		1	1					
1750	655	Phthalic acid, bis(2-ethoxyethyl) ester	1	2									
1751	8328	Phthalic acid, bis[2-(2-methoxyethoxy)-ethyl] ester	1	1									
1752	4283	Phthalic acid, bis(tetrahydrofurfuryl) ester	1	2									
1753	2574	Phthalic acid, diallyl ester	2	2									
1754	364	Phthalic acid, dibenzyl ester	2										
1755	283	Phthalic acid, dibutyl ester	1	1				1					
1756	515	Phthalic acid, dicyclohexyl ester	1	1									
1757	329	Phthalic acid, diethyl ester	2	2	1	1							
1758	1766	Phthalic acid, diisopropyl ester	1	2	1								
1759	262	Phthalic acid, dimethyl ester	1	1	1			1					
1760	363	Phthalic acid, dipentyl ester	1	1									
1761	1767	Phthalic acid, dipropyl ester	1	2	1								
1762	5785	Phthalide					1						
1763	24621	Pinonic acid, dodecyl ester	1										
1764	5703	Piperonyl alcohol, acetate	1		1	1							
1765	20460	Piperonyl alcohol, benzoate	1	1	1	1	1	1					
1766	5004	Piperonyl alcohol, <i>alpha</i> -allyl-, acetate	2			1				1	1		
1767	20909	Piperonyl alcohol, 6-allyl-, acetate	3	2	2	2	1	1					
1768	20561	Piperonyl alcohol, <i>alpha</i> -benzyl-, acetate	2	2	1	1	1	1					
1769	30881	Piperonyl alcohol, <i>alpha</i> -benzyl-, formate				1							
1770	20391	Piperonyl alcohol, <i>alpha</i> -butyl-, acetate	1	1	1		1			1	1		
1771	20463	Piperonyl alcohol, <i>alpha-tert</i> -butyl-, acetate	2	2	1	1	1	1					
1772	20462	Piperonyl alcohol, <i>alpha</i> -cyclohexyl-, benzoate					1	1					
1773	21610	Piperonyl alcohol, <i>alpha</i> -(2,4-dimethylbenzyl)-, acetate					1	1					
1774	20736	Piperonyl alcohol, <i>alpha</i> -(1,1-dimethylpropyl)-, acetate	2	2	1	1	1	1					
1775	20275	Piperonyl alcohol, <i>alpha</i> -ethyl-, acetate	3		1	2	1	1		1	1		
1776	20093	Piperonyl alcohol, <i>alpha</i> -methyl-, acetate					1	1					
1777	20395	Piperonyl alcohol, <i>alpha</i> -(2-methylallyl)-, acetate					1	1				1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1778	21038	ESTERS AND LACTONES—Continued Piperonyl alcohol, <i>alpha</i> -(<i>o</i> -methylphenyl)-, acetate	2	---	1	1	---	1	---	---	---	---	---
1779	21039	Piperonyl alcohol, <i>alpha</i> -(<i>p</i> -methylphenyl)-, acetate	1	---	1	1	---	1	---	---	---	---	---
1780	20393	Piperonyl alcohol, <i>alpha</i> -pentyl-, acetate	1	1	1	1	1	---	---	---	---	---	---
1781	20436	Piperonyl alcohol, <i>alpha</i> -(3-phenylpropyl)-, acetate	---	---	---	1	1	1	---	---	---	---	---
1782	20089	Piperonyl alcohol, <i>alpha</i> -propyl-, acetate	1	---	---	1	1	1	---	---	---	---	---
1783	30387	Piperonylic acid, methyl ester	1	---	1	---	---	---	---	---	---	---	---
1784	20135	Pivalic acid, <i>alpha</i> -allylpiperonyl ester	1	---	1	---	---	1	---	---	---	---	---
1785	20486	Pivalic acid, hexyl ester	---	---	---	1	1	1	2	2	2	---	---
1786	30142	Pivalic acid, propyl ester	2	---	1	1	---	---	---	---	---	---	---
1787	6528	1,2-Propanediol, 1-benzoate	1	1	1	1	1	---	---	---	---	---	---
1788	20691	1,2-Propanediol, 1-(3,4-methylenedioxyphenyl)-, diacetate	3	2	2	2	1	1	---	---	---	---	---
1789	31074	1,2-Propanediol, 3-(3,4-methylenedioxyphenyl)-, diacetate	2	1	1	1	1	---	---	---	---	---	---
1790	24966	1,2-Propanediol, 2-phenyl-, 1-acetate	2	1	1	1	---	---	---	---	---	---	---
1791	6378	1,3-Propanediol, monobenzoate	---	---	---	---	1	---	---	---	---	---	---
1792	30490	1,3-Propanediol, 2,2-dimethyl-, diformate	1	---	2	1	1	---	---	---	---	1	1
1793	12105	1,3-Propanediol, 2,2-dimethyl-1-phenyl-, diacetate	---	---	---	---	1	---	---	---	---	---	---
1794	31734	Propanoic acid, 12-hydroxyoctadecyl ester	1	1	1	1	1	---	---	---	---	---	---
1795	22349	1-Propanol, 3-(3-phenoxypropoxy)-, acetate	1	1	2	1	1	---	---	---	---	---	---
1796	18533	1-Propanol, 3-phenyl-, acetate	2	1	1	1	---	---	---	---	---	---	---
1797	30433	2-Propanol, 1-(<i>p</i> -biphenyloxy)-, acetate	---	---	---	---	1	---	---	---	---	---	---
1798	30439	2-Propanol, 1-(<i>p</i> -biphenyloxy)-, formate	---	---	---	---	1	---	---	---	---	---	---
1799	30418	2-Propanol, 1-(<i>o</i> -sec-butylphenoxy)-, acetate	1	---	1	1	1	---	---	---	---	---	---
1800	30421	2-Propanol, 1-(<i>o</i> -sec-butylphenoxy)-, formate	1	---	1	2	1	---	---	---	---	---	---
1801	30414	2-Propanol, 1-(<i>p</i> -sec-butylphenoxy)-, acetate	1	---	1	1	1	---	---	---	---	---	---
1802	30420	2-Propanol, 1-(<i>p</i> -sec-butylphenoxy)-, formate	1	---	1	1	1	---	---	---	---	---	---
1803	30423	2-Propanol, 1-(<i>p</i> -tert-butylphenoxy)-, formate	1	---	1	1	1	---	---	---	---	---	---
1804	18548	2-Propanol, 1-methoxy-, acetate	---	---	---	---	1	---	---	---	---	---	---
1805	22362	2-Propanol, 1-methoxy-, benzoate	---	---	---	2	1	---	---	---	---	---	---
1806	21013	2-Propanol, 1-(3,4-methylenedioxyphenyl)-, acetate	2	---	---	1	---	---	---	---	---	---	---
1807	2642	2-Propanol, 1-phenoxy-, acetate	---	---	---	---	1	---	---	---	---	---	---
1808	8537	2-Propanone, 1-hydroxy-, acetate	1	---	---	---	---	---	---	---	---	---	---
1809	24349	2-Propen-1,1-diol, diacetate	2	1	---	---	---	---	---	---	---	---	---
1810	24758	1-Propen-1-ol, 2-phenyl-, acetate	1	---	2	---	1	---	---	---	1	---	---
1811	24478	Propionic acid, allyl ester	1	2	---	---	---	---	---	---	---	---	---
1812	2952	Propionic acid, benzyl ester	1	---	2	1	---	1	---	---	---	---	---
1813	18250	Propionic acid, 2-biphenyl-yl ester	1	---	---	1	---	---	---	---	---	---	---
1814	18253	Propionic acid, 4-biphenyl-yl ester	2	---	---	1	---	---	---	---	---	---	---
1815	24351	Propionic acid, bornyl ester	2	---	---	1	---	---	---	---	---	---	---
1816	24352	Propionic acid, butyl ester	1	---	---	---	---	---	---	---	---	---	---
1817	20063	Propionic acid, 2-tert-butyl-6-isopropylphenyl ester	2	---	---	1	---	1	---	---	---	---	---
1818	30708	Propionic acid, 4-tert-butyl-2-(<i>alpha</i> -methylbenzyl)phenyl ester	---	---	---	---	1	---	---	---	---	---	---
1819	2130	Propionic acid, 2-(<i>p</i> -tert-butylphenoxy)-ethyl ester	1	---	---	1	---	---	---	---	---	---	---

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
1820	30425	ESTERS AND LACTONES—Continued											
1821	30415	Propionic acid, 2-(<i>o</i> -sec-butylphenoxy)-1-methylethyl ester	1	---	2	2	1	---	---	---	---	---	---
1822	30429	Propionic acid, 2-(<i>p</i> -sec-butylphenoxy)-1-methylethyl ester	1	---	1	1	1	---	---	---	---	---	---
1823	20358	Propionic acid, 2-(<i>p</i> -tert-butylphenoxy)-1-methylethyl ester	1	---	1	1	1	---	---	---	---	---	---
1824	18252	Propionic acid, <i>alpha</i> -tert-butylpiperonyl ester	2	---	1	---	---	1	---	---	---	---	---
1825	2446	Propionic acid, 6-tert-butyl- <i>m</i> -tolyl ester	1	---	1	---	---	---	---	---	---	---	---
1826	4101	Propionic acid, cinnamyl ester	1	---	1	1	---	---	---	---	---	---	---
1827	30733	Propionic acid, 2-cyclohexylethyl ester	2	---	---	1	---	---	---	---	---	---	---
1828	20065	Propionic acid, decyl ester	1	1	2	1	1	---	---	---	---	---	---
1829	20027	Propionic acid, 2,4-di-tert-butyl-6-isopropylphenyl ester	1	---	---	1	---	1	---	---	---	---	---
1830	21371	Propionic acid, 4,6-di-tert-butyl- <i>m</i> -tolyl ester	2	---	---	1	---	1	---	---	---	---	---
1831	31778	Propionic acid, diester with 4,6-dimethyl- <i>m</i> -xylene- <i>alpha</i> , <i>alpha'</i> -diol	2	---	1	1	---	1	---	---	---	1	1
1832	31742	Propionic acid, diester with 1,2-hexadecanediol	2	1	1	2	1	---	---	---	---	---	---
1833	6421	Propionic acid, diester with 1,12-octadecanediol	1	1	1	1	1	---	---	---	---	---	---
1834	21579	Propionic acid, diester with pyrocatechol	1	---	1	1	---	---	---	---	---	---	---
1835	21304	Propionic acid, 2,4-dimethylbenzyl ester	2	---	---	1	1	1	---	---	---	1	1
1836	31385	Propionic acid, 3,4-dimethylbenzyl ester	2	---	1	---	---	1	---	---	---	---	---
1837	30911	Propionic acid, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	---	---	---	---	---	---	---
1838	24358	Propionic acid, 2,2-dimethylpentyl ester	1	1	3	1	1	---	---	---	---	---	---
1839	24353	Propionic acid, ester with citronellol	1	---	1	1	---	---	---	---	---	---	---
1840	24354	Propionic acid, ester with linalool	1	---	1	1	---	---	---	---	---	---	---
1841	20524	Propionic acid, ethyl ester	1	---	---	---	---	---	---	---	---	---	---
1842	20979	Propionic acid, <i>alpha</i> -ethylbenzyl ester	2	1	3	1	---	1	---	---	---	---	---
1843	24355	Propionic acid, eugenyl ester	1	---	---	1	---	1	---	---	---	---	---
1844	21504	Propionic acid, geranyl ester	1	---	---	---	---	---	---	---	---	---	---
1845	31765	Propionic acid, heptyl ester	---	---	2	1	---	1	---	---	---	1	1
1846	31749	Propionic acid, 1-hexyl-12-hydroxydeceyl ester	1	1	1	1	1	---	---	---	---	---	---
1847	31785	Propionic acid, 2-hydroxyhexadecyl ester	1	1	1	1	1	---	---	---	---	---	---
1848	4363	Propionic acid, 1-(hydroxymethyl)pentadecyl ester	1	1	1	1	1	---	---	---	---	---	---
1849	20980	Propionic acid, isobornyl ester	---	---	2	---	---	---	---	---	---	---	---
1850	18261	Propionic acid, isoeugenyl ester	1	---	---	1	---	1	---	---	---	---	---
1851	18259	Propionic acid, 2-isopropylcyclohexyl ester	3	---	1	1	---	---	---	---	---	---	---
1852	18257	Propionic acid, 4-isopropylcyclohexyl ester	1	---	2	1	1	---	---	---	---	---	---
1853	6113	Propionic acid, <i>o</i> -isopropylphenyl ester	1	---	---	1	---	---	---	---	---	---	---
1854	21922	Propionic acid, <i>p</i> -methoxybenzyl ester	1	---	1	---	---	---	---	---	---	---	---
1855	4100	Propionic acid, 3-methoxybutyl ester	2	---	1	1	---	1	---	---	---	1	1
1856	21876	Propionic acid, <i>alpha</i> -methylbenzyl ester	2	1	3	1	---	---	---	---	---	---	---
1857	22395	Propionic acid, <i>m</i> -methylbenzyl ester	1	---	3	1	---	1	---	---	---	---	---
1858	30448	Propionic acid, 1-methyl-2-phenoxyethyl ester	---	---	---	---	1	---	---	---	---	---	---
1859	18255	Propionic acid, 1-naphthylmethyl ester	2	1	1	1	1	---	---	---	---	---	---
1860	31834	Propionic acid, <i>p</i> -nonylphenyl ester	1	---	---	1	---	---	---	---	---	---	---
1861	24356	Propionic acid, <i>p</i> -(3-oxobutyl)phenyl ester	---	2	---	---	---	---	---	---	---	---	---
1862	18544	Propionic acid, pentyl ester	1	---	1	---	---	---	1	---	---	---	---
1863	5860	Propionic acid, phenethyl ester	2	1	3	1	1	---	2	2	1	---	---
1864	5860	Propionic acid, 2-phenylcyclohexyl ester	2	---	---	1	---	---	---	---	---	---	---

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ESTERS AND LACTONES—Continued											
1864	24357	Propionic acid, propyl ester.....	1	2	1	---	---	---	1	---	---	---	---
1865	20090	Propionic acid, <i>alpha</i> -propylpiperonyl ester.....	1	---	---	1	---	1	---	---	---	---	---
1866	15415	Propionic acid, tetrahydrofurfuryl ester.....	1	1	---	---	---	---	---	---	---	---	---
1867	21180	Propionic acid, tetrahydropyran-2-ylmethyl ester.....	1	---	---	1	---	1	---	---	---	---	---
1868	30727	Propionic acid, <i>p</i> -(1,1,3,3-tetramethylbutyl)phenyl ester.....	2	2	1	1	1	---	---	---	---	---	---
1869	30505	Propionic acid, thymyl ester.....	1	---	2	1	1	---	---	---	---	1	1
1870	8386	Propionic acid, <i>m</i> -tolyl ester.....	2	---	---	1	---	---	---	2	1	---	---
1871	30897	Propionic acid, undecyl ester.....	1	1	2	1	1	---	---	---	---	---	---
1872	24889	Propionic acid, vinyl ester.....	1	---	1	1	1	---	---	1	1	---	---
1873	22795	Propionic acid, 3-ethoxy-, cyclopentyl ester.....	---	---	---	1	1	---	1	---	1	---	---
1874	19456	Propionic acid, 3-ethoxy-, diester with 1,3-butanediol.....	---	---	1	---	---	1	---	---	---	---	---
1875	30932	Propionic acid, 3-ethoxy-, 2,2-dimethylpentyl ester.....	1	1	1	2	1	---	---	---	---	1	1
1876	21507	Propionic acid, 3-ethoxy-, heptyl ester.....	---	---	1	1	---	1	---	---	---	---	---
1877	20398	Propionic acid, 3-ethoxy-, 5-hydroxypentyl ester.....	---	---	---	1	1	1	---	---	---	---	---
1878	20376	Propionic acid, 3-ethoxy-, <i>beta</i> -hydroxyphenethyl ester.....	---	---	---	---	1	1	---	---	---	---	---
1879	21928	Propionic acid, 3-ethoxy-, 3-methoxybutyl ester.....	1	1	2	1	---	1	---	---	---	1	1
1880	14472	Propionic acid, 3-ethoxy-, propyl ester.....	1	---	1	---	---	---	---	---	---	---	---
1881	21931	Propionic acid, 3-methoxy-, 3-methoxybutyl ester.....	1	1	2	1	---	1	---	---	---	1	1
1882	21012	Propionic acid, 3-(<i>o</i> -methoxyphenoxy)-, propyl ester.....	3	---	---	1	---	---	---	---	---	---	---
1883	30124	Propionic acid, 3-(<i>o</i> -methoxyphenyl)-2-phenyl-, methyl ester.....	1	---	1	1	1	---	---	---	2	1	1
1884	30113	Propionic acid, 3-(<i>p</i> -methoxyphenyl)-2-phenyl-, ethyl ester.....	1	---	1	1	1	---	---	---	---	1	1
1885	30101	Propionic acid, 3-(<i>p</i> -methoxyphenyl)-2-phenyl-, methyl ester.....	1	---	1	1	1	---	---	---	---	1	1
1886	30061	Propionic acid, 3-(3,4-methylenedioxyphenyl)-, ethyl ester.....	1	1	1	1	1	---	---	---	1	---	---
1887	30083	Propionic acid, 3-(3,4-methylenedioxyphenyl)-, methyl ester.....	1	1	1	1	1	---	---	---	1	---	---
1888	30123	Propionic acid, 3-(3,4-methylenedioxyphenyl)-2-phenyl-, ethyl ester.....	---	---	---	---	1	---	---	---	1	---	---
1889	910	2 <i>H</i> -Pyran-6-carboxylic acid, 3,4-dihydro-2,2-dimethyl-4-oxo-, ethyl ester.....	---	---	---	---	1	---	---	---	---	---	---
1890	24747	Pyran-2-methanol, 3,4-dihydro-, acetate.....	---	---	1	---	---	---	---	---	---	---	---
1891	21178	Pyran-2-methanol, tetrahydro-, acetate.....	1	---	---	1	---	1	1	1	1	---	---
1892	21196	Pyran-2-methanol, tetrahydro-, benzoate.....	1	---	---	1	---	1	---	---	---	---	---
1893	21052	4 <i>H</i> -Pyran-4-one, 5-hydroxy-2-(hydroxymethyl)-, 2-acetate.....	---	---	---	2	1	1	---	---	---	---	---
1894	3602	Pyrocatechol, diacetate.....	1	1	---	1	---	---	---	---	---	---	---
1895	20956	<i>o</i> -Pyrocatechuic acid, methyl ester.....	---	---	---	---	1	1	---	---	---	---	---
1896	6314	Resorcinol, diacetate.....	1	2	2	---	---	---	---	---	---	---	---
1897	2359	Resorcinol, monoacetate.....	1	1	2	1	1	---	---	2	---	---	---
1898	517	Salicylic acid, benzyl ester.....	1	1	1	1	1	1	---	---	---	---	---
1899	513	Salicylic acid, ethyl ester.....	1	1	1	1	1	1	---	---	---	---	---
1900	24370	Salicylic acid, isobutyl ester.....	1	---	---	---	---	---	---	---	---	---	---
1901	378	Salicylic acid, isopentyl ester.....	1	1	1	---	1	---	---	---	---	---	---
1902	511	Salicylic acid, isopropyl ester.....	1	1	1	---	1	1	---	---	---	---	---
1903	90	Salicylic acid, methyl ester.....	1	1	1	1	---	1	1	2	1	---	---
1904	334	Salicylic acid, pentyl ester.....	1	1	1	---	1	1	---	---	---	---	---
1905	2933	Salicylic acid, phenethyl ester.....	1	1	1	---	---	---	---	---	---	---	---
1906	21009	Salicylic acid, 3-allyl-, methyl ester.....	2	---	---	1	1	1	---	---	---	---	---

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ESTERS AND LACTONES—Continued													
1907	24369	Salicylic acid, <i>p</i> -ethyl-, ethylester	1	1									
1908	393	Sebacic acid, dibutyl ester	1	1	1	1							
1909	1970	Sebacic acid, diethyl ester	1										
1910	662	Sebacic acid, dimethyl ester	1			1							
1911	20356	Senecioic acid, allethrolonyl ester	1			1		1					
1912	15510	Senecioic acid, 2-[2-(2-butoxyethoxy)-ethoxy]ethyl ester	1		1	1							
1913	21792	Sorbic acid, allyl ester	1		1	1		1				1	1
1914	14767	Sorbic acid, benzyl ester	1		1								
1915	21867	Sorbic acid, 2-butoxyethyl ester	1		2	1		1				1	1
1916	5089	Sorbic acid, butyl ester	1		1	1			2	2	1		
1917	11732	Sorbic acid, ethyl ester	1	1	1	1							
1918	21798	Sorbic acid, 2-ethylbutyl ester	1		1	1		1				1	1
1919	21845	Sorbic acid, 2-ethylhexyl ester	2		1	1		1				1	1
1920	21799	Sorbic acid, 1-ethylpropyl ester	1		1	1						1	1
1921	21794	Sorbic acid, heptyl ester	2		2	1						1	1
1922	21797	Sorbic acid, hexyl ester	1		1	1		1				1	1
1923	21774	Sorbic acid, isobutyl ester	1		1	1							
1924	21776	Sorbic acid, isopentyl ester	1		1	1		1	2			1	1
1925	21773	Sorbic acid, isopropyl ester	1		1	1		1					
1926	21933	Sorbic acid, 3-methoxybutyl ester	1	1	1	1		1				1	1
1927	21796	Sorbic acid, 2-methoxyethyl ester	1		1	1		1				1	1
1928	30202	Sorbic acid, methyl ester	1	1	1	1	1					1	1
1929	30680	Sorbic acid, octadecyl ester	1	1	1	1							
1930	21775	Sorbic acid, pentyl ester	1		1	1		1				1	1
1931	21847	Sorbic acid, phenethyl ester	1		1	1		1				1	1
1932	5088	Sorbic acid, propyl ester	1		1	1							
1933	21793	Sorbic acid, 2-propynyl ester	1		1	1		1				1	1
1934	31588	Stearic acid, decyl ester	1	1	1	1	1						
1935	3514	Stearic acid, diethylene glycol diester	2										
1936	31619	Stearic acid, dodecyl ester	1	1	1	2	1						
1937	31617	Stearic acid, heptyl ester	1	1	1	1	1						
1938	31551	Stearic acid, hexyl ester				1	1						
1939	31587	Stearic acid, nonyl ester	1	1	1	2	1						
1940	31618	Stearic acid, octyl ester	2	2	1	1	1						
1941	31586	Stearic acid, propyl ester	1	1	1	1	1						
1942	666	Succinic acid, dibutyl ester	1										
1943	682	Succinic acid, diethyl ester	1										
1944	16168	Succinic acid, 2,4-diacetyl-2,3-dihydroxy-, diethyl ester				1							
1945	16170	Succinic acid, hexanoyl-, diethyl ester					1						
1946	20933	Succinic acid, piperonylidene-, dimethyl ester	1	1	1	2	1	1					
1947	31799	Succinic acid, (1,1,3,5-tetramethyl-2-octenyl)-, dibutyl ester	2	1	1	1							
1948	31798	Succinic acid, (1,1,3,5-tetramethyl-2-octenyl)-, dipropyl ester	1	1	1	1							
1949	396	Tartaric acid, dibutyl ester	2	1	2		1	1					
1950	683	Tartaric acid, diethyl ester	1										
1951	3572	Tartaric acid, diisopropyl ester	1	1	1	1							
1952	522	Terpineol, acetate	1	1	2	2		1					
1953	24377	Terpineol, propionate	1										
1954	24381	Toluene- <i>alpha</i> , <i>alpha</i> -diol, 2-hydroxy-, triacetate	2	1									
1955	30127	<i>m</i> -Toluic acid, allyl ester	1		1	1	1			1	1	1	1
1956	8604	<i>m</i> -Toluic acid, benzyl ester	2		1	1							
1957	30133	<i>m</i> -Toluic acid, 2-(2-butoxyethoxy)ethyl ester	1		1	1	1			1	1	2	1
1958	30466	<i>m</i> -Toluic acid, 2-butoxyethyl ester	1		2	1	1					1	1
1959	30095	<i>m</i> -Toluic acid, butyl ester	2	1	2	1	1				1	1	1
1960	30128	<i>m</i> -Toluic acid, <i>sec</i> -butyl ester	2		3	1	1			2	1	1	1
1961	30110	<i>m</i> -Toluic acid, cyclohexyl ester	2		1	1	1			1	1	1	1
1962	30111	<i>m</i> -Toluic acid, cyclopentyl ester	1		1	1	1			2	1	1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ESTERS AND LACTONES—Continued													
1963	30145	<i>m</i> -Toluic acid, ethyl ester	1	---	1	1	1	---	---	---	2	1	1
1964	30149	<i>m</i> -Toluic acid, 1-ethylpentyl ester	1	---	2	1	1	---	---	---	---	1	1
1965	30129	<i>m</i> -Toluic acid, 1-ethylpropyl ester	1	---	3	1	1	---	---	---	---	1	1
1966	30109	<i>m</i> -Toluic acid, heptyl ester	1	---	2	1	1	---	---	1	1	1	1
1967	30108	<i>m</i> -Toluic acid, hexyl ester	1	---	1	1	1	---	---	1	1	1	1
1968	30096	<i>m</i> -Toluic acid, isobutyl ester	2	1	2	1	1	---	---	1	1	1	1
1969	30098	<i>m</i> -Toluic acid, isopentyl ester	1	1	1	1	1	---	---	1	1	1	1
1970	30094	<i>m</i> -Toluic acid, isopropyl ester	2	2	2	1	1	---	---	---	---	1	1
1971	30134	<i>m</i> -Toluic acid, 3-methoxybutyl ester	1	---	1	1	1	---	---	1	1	1	1
1972	30104	<i>m</i> -Toluic acid, 2-methoxyethyl ester	1	---	1	1	1	---	---	1	1	2	1
1973	24382	<i>m</i> -Toluic acid, methyl ester	1	1	1	1	---	---	---	---	---	---	---
1974	31651	<i>m</i> -Toluic acid, 2-methylpentyl ester	1	1	1	2	---	---	---	---	---	---	---
1975	31650	<i>m</i> -Toluic acid, octyl ester	1	1	2	2	---	---	---	---	---	---	---
1976	30097	<i>m</i> -Toluic acid, pentyl ester	1	1	1	1	1	---	---	1	1	1	1
1977	30136	<i>m</i> -Toluic acid, phenethyl ester	1	---	1	1	1	---	---	2	2	1	1
1978	30135	<i>m</i> -Toluic acid, 3-phenylpropyl ester	1	---	1	1	1	---	---	2	2	1	1
1979	30093	<i>m</i> -Toluic acid, propyl ester	2	1	2	1	1	---	---	---	---	1	1
1980	30157	<i>m</i> -Toluic acid, tetrahydrofurfuryl ester	1	---	1	1	1	---	---	---	---	1	1
1981	31649	<i>m</i> -Toluic acid, <i>p</i> -tolyl ester	1	1	1	2	---	---	---	---	---	---	---
1982	21872	<i>m</i> -Toluic acid, 2-ethoxy-, propyl ester	---	---	---	---	1	---	---	---	---	---	---
1983	21490	<i>o</i> -Toluic acid, allyl ester	---	---	1	---	1	---	---	---	---	1	1
1984	21987	<i>o</i> -Toluic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	1	---	1	---	---	---	1	1
1985	31229	<i>o</i> -Toluic acid, 2-butoxyethyl ester	1	1	1	1	---	---	---	---	---	1	1
1986	21491	<i>o</i> -Toluic acid, butyl ester	---	---	1	1	---	1	---	---	---	1	1
1987	30086	<i>o</i> -Toluic acid, <i>sec</i> -butyl ester	1	2	3	1	1	---	---	1	---	1	1
1988	30088	<i>o</i> -Toluic acid, cyclohexyl ester	1	1	1	1	1	---	---	1	---	1	1
1989	30089	<i>o</i> -Toluic acid, cyclopentyl ester	2	1	2	1	1	---	---	1	---	1	1
1990	31388	<i>o</i> -Toluic acid, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropyl methyl ester	1	1	1	1	---	---	---	1	---	---	---
1991	21986	<i>o</i> -Toluic acid, 2-ethylbutyl ester	1	1	1	1	---	1	---	---	---	1	1
1992	31654	<i>o</i> -Toluic acid, 1-ethylpentyl ester	2	1	1	1	---	---	---	---	---	---	---
1993	30078	<i>o</i> -Toluic acid, 1-ethylpropyl ester	2	1	3	1	1	---	---	2	---	1	1
1994	21988	<i>o</i> -Toluic acid, heptyl ester	1	1	1	1	---	1	---	---	---	1	1
1995	21768	<i>o</i> -Toluic acid, isobutyl ester	2	---	2	1	---	1	---	---	---	---	---
1996	21770	<i>o</i> -Toluic acid, isopentyl ester	2	---	1	1	---	1	---	---	---	---	---
1997	21767	<i>o</i> -Toluic acid, isopropyl ester	2	---	3	---	---	---	---	---	---	---	---
1998	21973	<i>o</i> -Toluic acid, 3-methoxybutyl ester	1	1	1	1	---	1	---	---	---	1	1
1999	21974	<i>o</i> -Toluic acid, 2-methoxyethyl ester	1	1	1	1	---	1	---	---	---	1	1
2000	2357	<i>o</i> -Toluic acid, methyl ester	---	---	1	1	---	---	---	---	---	---	---
2001	21769	<i>o</i> -Toluic acid, pentyl ester	2	---	1	1	---	1	---	---	---	---	---
2002	31223	<i>o</i> -Toluic acid, phenethyl ester	2	1	1	---	---	---	---	---	---	---	---
2003	21492	<i>o</i> -Toluic acid, propyl ester	---	---	2	1	---	1	---	---	---	1	1
2004	31635	<i>o</i> -Toluic acid, 2-propynyl ester	1	1	1	---	---	---	---	---	---	1	1
2005	31643	<i>o</i> -Toluic acid, tetrahydrofurfuryl ester	1	1	1	1	---	---	---	---	---	---	---
2006	31633	<i>p</i> -Toluic acid, allyl ester	1	1	1	---	---	---	---	---	---	---	---
2007	31648	<i>p</i> -Toluic acid, 2-(2-butoxyethoxy)ethyl ester	1	1	1	2	---	---	---	---	---	---	---
2008	31126	<i>p</i> -Toluic acid, 2-butoxyethyl ester	1	1	2	1	---	---	---	---	---	1	1
2009	31109	<i>p</i> -Toluic acid, butyl ester	1	1	1	1	---	---	---	---	---	---	---
2010	31646	<i>p</i> -Toluic acid, <i>sec</i> -butyl ester	1	2	1	1	---	---	---	---	---	---	---
2011	31645	<i>p</i> -Toluic acid, cyclopentyl ester	1	2	1	1	---	---	---	---	---	---	---
2012	31106	<i>p</i> -Toluic acid, ethyl ester	1	1	2	1	---	---	---	---	---	---	---
2013	31110	<i>p</i> -Toluic acid, isobutyl ester	1	1	1	1	---	---	---	---	---	---	---
2014	31124	<i>p</i> -Toluic acid, isopentyl ester	2	1	1	1	---	---	---	---	---	---	---
2015	31108	<i>p</i> -Toluic acid, isopropyl ester	1	1	1	1	---	---	---	---	---	---	---
2016	31125	<i>p</i> -Toluic acid, 2-methoxyethyl ester	1	1	1	1	---	---	---	---	---	---	---
2017	4243	<i>p</i> -Toluic acid, methyl ester	1	1	1	1	---	---	---	---	---	1	1
2018	31123	<i>p</i> -Toluic acid, pentyl ester	2	1	1	---	---	---	---	---	---	---	---
2019	31226	<i>p</i> -Toluic acid, phenethyl ester	2	1	1	1	---	---	---	---	---	---	---
2020	31107	<i>p</i> -Toluic acid, propyl ester	1	1	1	1	---	---	---	---	---	---	---
2021	31356	<i>p</i> -Toluic acid, 2-propylheptyl ester	1	1	1	---	---	---	---	---	---	1	1
2022	31634	<i>p</i> -Toluic acid, 2-propynyl ester	1	1	1	---	---	---	---	---	---	---	---

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ESTERS AND LACTONES—Continued													
2023	31644	<i>p</i> -Toluic acid, tetrahydrofurfuryl ester.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
2024	24589	Tridecanedioic acid, cyclic ethylene ester.....	1	-----	1	1	-----	-----	-----	-----	-----	-----	-----
2025	30459	6-Tridecanol, 3,9-diethyl-, formate.....	1	-----	2	1	1	-----	-----	-----	-----	1	1
2026	30500	Triethylene glycol, diformate.....	1	-----	1	1	1	-----	-----	-----	-----	1	1
2027	21824	Tropic acid, 3-(3,4-methylenedioxyphenyl)-, methyl ester, acetate.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	1
2028	8085	Umbelliferone, 4-methyl.....	2	-----	2	-----	-----	-----	-----	-----	-----	-----	-----
2029	30499	4-Undecanol, 7-ethyl-2-methyl-, formate.....	1	-----	2	1	1	-----	-----	-----	-----	1	1
2030	2946	Valeric acid, benzyl ester.....	1	-----	2	1	-----	-----	-----	-----	-----	-----	-----
2031	30051	Valeric acid, butyl ester.....	1	1	2	1	-----	-----	-----	-----	-----	-----	-----
2032	30584	Valeric acid, 2-(<i>o</i> -sec-butylphenoxy)-1-methylethyl ester.....	2	1	2	1	1	-----	-----	-----	-----	-----	-----
2033	30586	Valeric acid, 2-(<i>p</i> -sec-butylphenoxy)-1-methylethyl ester.....	1	1	2	1	1	-----	-----	-----	-----	-----	-----
2034	31020	Valeric acid, 2-cyclohexylcyclohexyl ester.....	1	1	1	1	1	-----	-----	-----	-----	-----	-----
2035	30980	Valeric acid, 4-cyclohexylcyclohexyl ester.....	1	1	1	1	1	-----	-----	-----	-----	-----	-----
2036	30592	Valeric acid, cyclopentyl ester.....	1	1	3	1	1	-----	-----	-----	-----	-----	-----
2037	30736	Valeric acid, decyl ester.....	1	1	2	1	1	-----	-----	-----	-----	-----	-----
2038	30380	Valeric acid, 2,4-dimethylbenzyl ester.....	1	-----	1	1	1	-----	-----	-----	-----	-----	-----
2039	30139	Valeric acid, 3,4-dimethylbenzyl ester.....	1	-----	1	1	1	-----	-----	2	-----	1	1
2040	24388	Valeric acid, ester with citronellol.....	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2041	24389	Valeric acid, ester with geraniol.....	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2042	1270	Valeric acid, ethyl ester.....	1	-----	-----	-----	-----	1	-----	-----	-----	-----	-----
2043	30579	Valeric acid, 2-ethylhexyl ester.....	1	1	2	1	1	-----	-----	-----	-----	-----	-----
2044	30517	Valeric acid, heptyl ester.....	2	-----	1	1	1	-----	-----	-----	-----	1	1
2045	30516	Valeric acid, hexyl ester.....	1	-----	2	2	1	-----	-----	-----	-----	1	1
2046	24390	Valeric acid, isobutyl ester.....	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2047	24391	Valeric acid, isopentyl ester.....	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2048	30581	Valeric acid, 3-methoxybutyl ester.....	1	1	2	1	1	-----	-----	-----	-----	-----	-----
2049	30582	Valeric acid, 2-methoxy-1-methylethyl ester.....	1	1	2	1	1	-----	-----	-----	-----	-----	-----
2050	30064	Valeric acid, <i>m</i> -methylbenzyl ester.....	2	1	2	1	1	-----	-----	1	1	1	1
2051	30593	Valeric acid, 2-methylcyclohexyl ester.....	1	1	3	1	1	-----	-----	-----	-----	-----	-----
2052	30577	Valeric acid, octyl ester.....	2	1	2	1	1	-----	-----	-----	-----	-----	-----
2053	1269	Valeric acid, pentyl ester.....	3	1	-----	1	-----	1	-----	-----	-----	-----	-----
2054	2945	Valeric acid, phenethyl ester.....	1	1	2	1	-----	-----	2	-----	-----	-----	-----
2055	30583	Valeric acid, 2-phenoxyethyl ester.....	1	1	1	1	1	-----	-----	-----	-----	-----	-----
2056	30580	Valeric acid, 3-phenylpropyl ester.....	1	1	1	1	1	-----	-----	-----	-----	-----	-----
2057	30578	Valeric acid, tetrahydrofurfuryl ester.....	1	1	1	1	1	-----	-----	-----	-----	-----	-----
2058	31361	Valeric acid, 2-ethyl-4-methyl-, butyl ester.....	2	1	3	1	-----	-----	-----	-----	-----	1	1
2059	31364	Valeric acid, 2-ethyl-4-methyl-, propyl ester.....	2	2	1	1	-----	-----	-----	-----	-----	1	1
2060	20878	Valeric acid, 4-hydroxy-, ethyl ester.....	1	1	3	1	1	1	-----	-----	-----	-----	-----
2061	4327	Valeric acid, 4-hydroxy-, <i>gamma</i> -lactone.....	1	1	1	-----	-----	-----	-----	-----	-----	-----	-----
2062	25024	Valeric acid, 5-hydroxy-, <i>delta</i> -lactone.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
2063	30028	Valeric acid, 2-methyl-, benzyl ester.....	1	1	2	1	-----	-----	-----	1	1	1	1
2064	30070	Valeric acid, 2-methyl-, 2-(2-butoxyethoxy)ethyl ester.....	1	1	1	1	1	-----	-----	-----	2	1	1
2065	30456	Valeric acid, 2-methyl-, 2-butoxyethyl ester.....	1	-----	1	1	1	-----	-----	-----	-----	1	1
2066	30001	Valeric acid, 2-methyl-, butyl ester.....	1	1	3	1	-----	-----	-----	1	1	1	1
2067	30029	Valeric acid, 2-methyl-, cyclohexyl ester.....	1	1	3	1	-----	-----	-----	2	2	1	1
2068	30030	Valeric acid, 2-methyl-, cyclopentyl ester.....	1	1	3	1	1	-----	-----	2	1	1	1
2069	30087	Valeric acid, 2-methyl-, 1,3-dimethylbutyl ester.....	1	1	3	1	1	-----	-----	-----	1	1	1
2070	30067	Valeric acid, 2-methyl-, 2-ethoxyethyl ester.....	1	1	1	1	1	-----	-----	-----	1	1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
2071	30034	ESTERS AND LACTONES—Continued											
2072	30066	Valeric acid, 2-methyl-, 2-ethylbutyl ester	1	1	3	1	1	-----	-----	1	2	1	1
2073	30092	Valeric acid, 2-methyl-, 2-ethylhexyl ester	1	1	1	1	1	-----	-----	-----	1	1	1
2074	30069	Valeric acid, 2-methyl-, 4-ethyl-1-methyloctyl ester	1	1	1	1	1	-----	-----	-----	1	1	1
2075	30073	Valeric acid, 2-methyl-, 1-ethylpropyl ester	2	1	3	1	1	-----	-----	-----	2	1	1
2076	30065	Valeric acid, 2-methyl-, heptyl ester	1	1	1	1	1	-----	-----	-----	1	-----	-----
2077	30063	Valeric acid, 2-methyl-, hexyl ester	1	1	1	1	1	-----	-----	1	1	1	1
2078	30003	Valeric acid, 2-methyl-, isobutyl ester	1	1	3	1	-----	-----	-----	2	2	1	1
2079	30024	Valeric acid, 2-methyl-, isopentyl ester	2	1	2	1	-----	-----	-----	1	1	1	1
2079	21998	Valeric acid, 2-methyl-, isopropyl ester	1	1	3	1	-----	1	-----	-----	-----	1	1
2080	30031	Valeric acid, 2-methyl-, 2-methoxyethyl ester	1	1	1	1	1	-----	-----	-----	1	1	1
2081	30091	Valeric acid, 2-methyl-, 2-methylcyclohexyl ester	2	2	3	1	1	-----	-----	2	1	1	1
2082	30077	Valeric acid, 2-methyl-, 4-methylcyclohexyl ester	1	1	1	1	1	-----	-----	-----	1	1	1
2083	30004	Valeric acid, 2-methyl-, pentyl ester	1	1	1	1	-----	-----	-----	2	1	1	1
2084	30074	Valeric acid, 2-methyl-, phenethyl ester	2	1	1	1	1	-----	-----	-----	1	1	1
2085	30076	Valeric acid, 2-methyl-, 3-phenylpropyl ester	1	2	1	1	1	-----	-----	-----	1	1	1
2086	21989	Valeric acid, 2-methyl-, propyl ester	1	1	1	1	-----	1	-----	-----	-----	1	1
2087	30071	Valeric acid, 2-methyl-, tetrahydrofurfuryl ester	1	1	2	1	-----	-----	-----	-----	1	1	1
2088	30964	Valeric acid, 3-oxo-, ethyl ester	1	1	1	1	1	-----	-----	-----	-----	-----	-----
2089	20165	Vanillic acid, isopropyl ester	2	-----	-----	-----	1	1	-----	-----	-----	-----	-----
2090	20957	Veratric acid, methyl ester	2	-----	-----	1	-----	1	-----	-----	-----	-----	-----
2091	24214	Vetiverol, acetate	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
2092	21802	<i>m</i> -Xylene- <i>alpha, alpha'</i> -diol, 4,5-dimethyl-, diacetate	1	-----	1	1	-----	1	-----	-----	-----	1	1
2093	21337	<i>m</i> -Xylene- <i>alpha, alpha'</i> -diol, 4,6-dimethyl-, diacetate	1	-----	1	1	-----	1	-----	-----	-----	1	1
2094	20677	<i>m</i> -Xylene- <i>alpha, alpha'</i> -diol, 4-methoxy-, diacetate	2	2	2	1	1	1	-----	-----	-----	-----	-----
2095	20662	<i>m</i> -Xylene- <i>alpha, alpha'</i> -diol, 4-methyl-, diacetate	2	2	2	1	1	1	-----	-----	-----	-----	-----
2096	30987	<i>p</i> -Xylene- <i>alpha, alpha'</i> -diol, diacetate	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
2097	20016	3,4-Xylenol, acetate	1	1	2	-----	1	1	-----	-----	-----	-----	-----
2098	11163	GROUP 5.—ETHERS											
2099	1029	Acetophenone, 3',4'-dimethoxy-	3	2	2	1	1	-----	1	1	1	-----	-----
2100	15892	Acetophenone, 4'-ethoxy-	1	1	-----	1	-----	1	-----	-----	-----	-----	-----
2101	20853	Acetophenone, 4'-hydroxy-3'-methoxy-	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
2102	25259	Acetophenone, 4'-methoxy-2-(<i>p</i> -methoxyphenyl)-	-----	-----	-----	-----	1	1	1	1	1	-----	-----
2103	30572	Acetophenone, 3',4'-methylenedioxy-	1	1	1	1	-----	-----	-----	1	-----	1	-----
2104	4601	Acrylophenone, 3-(2-furyl)-	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
2105	2894	Allyl ether	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
2106	380	Anethole	1	-----	-----	1	-----	-----	1	-----	-----	-----	-----
2107	25039	<i>o</i> -Anisil	1	2	2	1	-----	-----	1	-----	-----	-----	-----
2108	23357	<i>p</i> -Anisil	1	1	1	1	1	-----	-----	-----	-----	-----	-----
2109	42	Anisole	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2110	21220	Anisole, 5-allyl-2-(2-propynyloxy)-	3	-----	-----	1	-----	-----	1	2	2	-----	-----
2111	20954	Anisole, 4-(2-butenyl)-3-(2-butenyloxy)-	2	-----	-----	1	-----	1	-----	-----	-----	-----	-----
2112	20953	Anisole, <i>m</i> -(2-butenyloxy)-	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
2113	21041	Anisole, <i>p</i> -(2-butenyloxy)-	2	-----	1	1	-----	1	-----	-----	-----	-----	-----
2114	21151	Anisole, 2,4-dimethyl-	1	-----	-----	1	-----	1	-----	-----	-----	-----	-----
2115	21150	Anisole, 2,5-dimethyl-	1	-----	1	1	-----	1	1	1	1	-----	-----
2116	21152	Anisole, 2,6-dimethyl-	3	-----	-----	1	-----	1	-----	-----	-----	-----	-----
2117	21149	Anisole, 3,4-dimethyl-	1	-----	3	1	-----	-----	1	1	2	-----	-----

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ETHERS—Continued													
2118	11303	Anisole, 3,5-dimethyl-	1		1	1							
2119	427	Anisole, <i>p</i> -(1,1-dimethylpropyl)-	1	1	3	1		1					
2120	30143	Anisole, <i>p</i> -isopropenyl-	1		3	1							
2121	3431	Anisole, 2-isopropyl-5-methyl-	1		1	1							
2122	3441	Anisole, 5-isopropyl-2-methyl-	1		1	1							
2123	19476	Anisole, <i>m</i> -methyl-	1	1				1					
2124	23983	Anisole, <i>o</i> -methyl-	1	1	1	1							
2125	7621	Anisole, <i>p</i> -methyl-	1		1	1		1					
2126	30037	Anisole, 2-(2-methylallyl)-	1	1	1	1	1						
2127	236	Anisole, <i>o</i> -phenyl-	2										
2128	228	Anisole, <i>p</i> -phenyl-	1	1									
2129	21221	Anisole, 5-propenyl-2-(2-propynyloxy)-	3		1	1				1	1		
2130	21222	Anisole, 5-propyl-2-(2-propynyloxy)-	3		1	1		1				1	1
2131	21223	Anisole, <i>o</i> -(2-propynyloxy)-	2		1	1		1					
2132	1170	Anisyl alcohol	2		1	1							
2133	20350	Anisyl alcohol, <i>alpha</i> - <i>tert</i> -butyl-					1		1	1	1		
2134	21412	Anisyl alcohol, <i>alpha</i> , <i>alpha</i> -dimethyl-	1			1						1	1
2135	20992	Benzene, 1-allyl-2-(allyloxy)-	1			1		1					
2136	24166	Benzene, 1-allyl-4-(allyloxy)-3-methoxy-	1	2									
2137	20991	Benzene, 1-allyl-2-butoxy-	1			1		1					
2138	24167	Benzene, 1-allyl-4-butoxy-3-methoxy-	2	1									
2139	21984	Benzene, 2-allyl-1,4-dimethoxy-	1	1	1	1		1				1	1
2140	21618	Benzene, 5-allyl-4-[1-(2-ethoxyethoxy)-ethoxy]ethoxymethyl-1,2-methylenedioxy-	1		1							1	1
2141	24168	Benzene, 1-allyl-4-ethoxy-3-methoxy-	3	1									
2142	31251	Benzene, 4-allyl-5-ethoxy-1,2-methylenedioxy-	2	2	1							1	1
2143	24169	Benzene, 1-allyl-4-hexyloxy-3-methoxy-	2	1									
2144	24171	Benzene, 1-allyl-4-isobutoxy-3-methoxy-	2										
2145	24472	Benzene, 1-allyl-4-(isohexyloxy)-3-methoxy-		2									
2146	24174	Benzene, 1-allyl-4-(isopentyloxy)-3-methoxy-	2	1									
2147	24170	Benzene, 1-allyl-4-isopropoxy-3-methoxy-	2	2									
2148	31259	Benzene, 1-allyl-2-isopropoxy-4,5-methylenedioxy-	2	2	2	1						1	1
2149	25124	Benzene, 1-allyl-2-methoxy-3,4-methylenedioxy-	3	1	1	1							
2150	31217	Benzene, 1-allyl-2-methoxy-4,5-methylenedioxy-	2	2	1	1						1	1
2151	24175	Benzene, 1-allyl-3-methoxy-4-octyloxy-	1	1									
2152	24176	Benzene, 1-allyl-3-methoxy-4-pentyloxy-	2	1									
2153	24173	Benzene, 1-allyl-3-methoxy-4-propoxy-	3	1									
2154	31252	Benzene, 1-allyl-4,5-methylenedioxy-2-propoxy-	1	1	1							1	1
2155	31248	Benzene, 1-allyl-4,5-methylenedioxy-2-(2-propynyloxy)-	2	1	1	1						1	1
2156	20987	Benzene, 1-allyl-2-propoxy-	1			1		1					
2157	20936	Benzene, 1-(allyloxy)-2-methoxy-	1	1		1							
2158	20896	Benzene, 1-(allyloxy)-4-methoxy-	1			1		1					
2159	24172	Benzene, 1-(allyloxy)-2-methoxy-4-propenyl-	3	1									
2160	20976	Benzene, 1-(allyloxy)-2-methoxy-4-propyl-	2			1	1	1	1	2	1		
2161	21079	Benzene, 4-(allyloxy)-1,2-methylenedioxy-	1	1	1	1		1					
2162	2931	Benzene, 1-(benzyloxy)-2-methoxy-4-propenyl-	3	2	1	1							
2163	21226	Benzene, 1,2-bis(2-propynyloxy)-			1	1		1				1	1
2164	21934	Benzene, 4-[2-(1-butoxyethoxy)ethoxy]methyl-1,2-methylenedioxy-	2	1	1	1		1				1	1
2165	20940	Benzene, 1-butoxy-2-methoxy-	3			1		1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2166	20969	Benzene, 1-butoxy-2-methoxy-4-propenyl-	2			1		1					
2167	20977	Benzene, 1-butoxy-2-methoxy-4-propyl-	2			1		1					
2168	10533	Benzene, <i>o</i> -di(allyloxy)-	1	1		1							
2169	2079	Benzene, <i>m</i> -diethoxy-	1	1	1								
2170	24177	Benzene, <i>o</i> -diethoxy-	3	2									
2171	9458	Benzene, <i>p</i> -diethoxy-	2	1									
2172	20943	Benzene, <i>o</i> -diisopropoxy-	1	1	3	1	1	1					
2173	845	Benzene, <i>m</i> -dimethoxy-	2	1	1								
2174	24139	Benzene, <i>p</i> -dimethoxy-	1	1	1								
2175	21990	Benzene, 1,4-dimethoxy-2-(2-methylallyl)-	1	1	1	1		1				1	1
2176	20941	Benzene, <i>o</i> -dipropoxy-	1	1		1		1					
2177	31690	Benzene, 1-(1,2-epoxypropyl)-3,4-methylenedioxy-	1	1	1	1							
2178	21576	Benzene, 4-[1-[2-(2-ethoxyethoxy)-ethoxy]ethoxymethyl]-1,2-methylenedioxy-	1										
2179	21612	Benzene, 4-[3-[1-[2-(2-ethoxyethoxy)-ethoxy]ethoxy]-2-methylpropyl]-1,2-methylenedioxy-	1		1	1						1	1
2180	21502	Benzene, 4-[(1-ethoxyethoxy)methyl]-1,2-dimethoxy-			1			1				1	1
2181	21257	Benzene, 4-[(1-ethoxyethoxy)methyl]-1,2-methylenedioxy-	1										
2182	20935	Benzene, 1-ethoxy-2-methoxy-	3	1	1	1		1		1	1		
2183	24140	Benzene, 1-ethoxy-2-methoxy-4-propenyl-	3	1									
2184	20942	Benzene, 1-ethoxy-2-methoxy-4-propyl-	3	2	1	1		1					
2185	21293	Benzene, 3-[1-(2-ethylhexyloxy)ethoxymethyl]-1,2-dimethoxy-	2		1			1				1	1
2186	20973	Benzene, 4-(heptyloxy)-3-methoxy-1-propenyl-	1			1		1					
2187	21982	Benzene, 4-[3-(1-isobutoxyethoxy)-2-methylpropyl]-1,2-methylenedioxy-	1	1	1	1		1					
2188	20970	Benzene, 1-isobutoxy-2-methoxy-4-propenyl-	3			1		1					
2189	20972	Benzene, 1-(isopentyloxy)-2-methoxy-4-propenyl-	2			1		1					
2190	20937	Benzene, 1-isopropoxy-2-methoxy-	3	1	1	1		1					
2191	20968	Benzene, 1-isopropoxy-2-methoxy-4-propenyl-	3			1		1					
2192	31267	Benzene, 1-isopropoxy-2-(2-methylallyl)-4,5-methylenedioxy-	3	1	1	1							
2193	31249	Benzene, 1-methoxy-2-(2-methylallyl)-4,5-methylenedioxy-	1	1	1								
2194	21532	Benzene, 1-methoxy-2-(2-methylallyloxy)-	2		1	1		1				1	1
2195	21493	Benzene, 1-methoxy-4-(2-methylallyloxy)-			1	1		1				1	1
2196	31262	Benzene, 1-methoxy-4,5-methylenedioxy-2-propenyl-	1	1	1			1				1	1
2197	20974	Benzene, 2-methoxy-1-(octyloxy)-4-propenyl-	1			1		1					
2198	20971	Benzene, 2-methoxy-1-(pentyloxy)-4-propenyl-	2			1		1					
2199	30043	Benzene, 4-[3-(<i>p</i> -methoxyphenyl)propyl]-1,2-methylenedioxy-	1	1	1	1	1						
2200	24141	Benzene, 2-methoxy-4-propenyl-1-propoxy-	2	1		1							
2201	20938	Benzene, 1-methoxy-2-propoxy-	3			1		1					
2202	20975	Benzene, 2-methoxy-1-propoxy-4-propyl-	2			1		1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
2203	31253	ETHERS—Continued											
		Benzene, 4-(2-methylallyloxy)-1,2-methylenedioxy-	2	2	1							1	1
2204	30574	Benzene, 1,2-methylenedioxy-					1						
2205	31256	Benzene, 1,2-methylenedioxy-4-propoxy-5-propyl-	2	1	1	1						1	1
2206	2077	Benzene, 1,2,3-trimethoxy-	3		1	1							
2207	20797	Benzene, 1,2,4-trimethoxy-	3	1		1	1						
2208	21755	Benzophenone, 3,4-methylenedioxy-	2		1			1					
2209	31839	Benzoquinone, 2,5-dimethoxy-	1	1	1								
2210	30038	Benzyl alcohol, 3-allyl-4-ethoxy-	2	1	1	1	1					1	1
2211	21418	Benzyl alcohol, <i>m</i> -(allyloxy)-	1			1		1				1	1
2212	21417	Benzyl alcohol, <i>o</i> -(allyloxy)-	1			1		1				1	1
2213	30164	Benzyl alcohol, 2-(allyloxy)-3-methoxy-	2		2	1						1	1
2214	20349	Benzyl alcohol, <i>alpha</i> - <i>tert</i> -butyl- <i>o</i> -methoxy-				1	1	1					
2215	21333	Benzyl alcohol, <i>m</i> -ethoxy-	1		1								
2216	21420	Benzyl alcohol, <i>o</i> -ethoxy-	1			1		1				1	1
2217	21003	Benzyl alcohol, <i>o</i> -ethoxy- <i>alpha</i> , <i>alpha</i> -dimethyl-	1		1	1		1					
2218	24186	Benzyl alcohol, 4-hydroxy-3-methoxy-	1	1	1								
2219	21421	Benzyl alcohol, <i>m</i> -isopropoxy-	1			1		1				1	1
2220	6505	Benzyl alcohol, <i>alpha</i> -(2-methoxyethoxy)methyl-					1						
2221	30291	Benzyl alcohol, 3-methoxy-4-(2-methylallyl)-	1	1	1	1	1						
2222	30165	Benzyl alcohol, 3-methoxy-2-propoxy-	3		1	1							
2223	20591	Benzyl alcohol, <i>o</i> -methoxy- <i>alpha</i> -propyl-					1	1					
2224	30293	Benzyl alcohol, <i>o</i> -(2-methylallyloxy)-	1	1	1	1	1						
2225	6503	Benzyl alcohol, <i>alpha</i> -(propoxymethyl)-					1						
2226	2269	Benzyl ether	1	1	1	1	1	1	1				
2227	24920	1-Butanol, 3-methoxy-	1	1	1	1							
2228	5903	2-Butanol, 4-(<i>p</i> -methoxyphenyl)-	1	2		1							
2229	20370	2-Butanone, 4-(2,3-dimethoxyphenyl)-	2	1	1								
2230	20369	2-Butanone, 4-(3,4-dimethoxyphenyl)-	2	1	1	1							
2231	31832	2-Butanone, 4-[<i>p</i> -(2-hydroxyethoxy)-phenyl]-			1								
2232	31837	2-Butanone, 4-(4-hydroxy-3-methoxyphenyl)-		2									
2233	21272	2-Butanone, 4-(<i>o</i> -methoxyphenyl)-	1	2	1	1		1					
2234	20279	2-Butanone, 4-(<i>p</i> -methoxyphenyl)-	2	3	1	1	1	1	1	1	1	1	1
2235	20251	2-Butanone, 4-(3,4-methylenedioxyphenyl)-	1	2	1	1		1					
2236	20034	3-Buten-1-ol, 1-(<i>o</i> -methoxyphenyl)-	1			1		1					
2237	20000	3-Buten-1-ol, 1-(3,4-methylenedioxyphenyl)-	1			1		1					
2238	24708	3-Buten-2-ol, 4-(<i>p</i> -methoxyphenyl)-			1	1	1			1	1		
2239	5777	3-Buten-2-one, 4-(2-furyl)-	2	1	2	1							
2240	1934	3-Buten-2-one, 4-(4-hydroxy-3-methoxyphenyl)-	2	1	2	1							
2241	21249	3-Buten-2-one, 4-(<i>o</i> -methoxyphenyl)-	2	1	2	1		1					
2242	222	3-Buten-2-one, 4-(<i>p</i> -methoxyphenyl)- (Anisalacetone)	2	2	2	1	1		1	1	1		
2243	20860	3-Buten-2-one, 4-(3,4-methylenedioxyphenyl)-	2	2	2	1		1					
2244	402	Butyl ether	1			1			1	1	1		
2245	25138	1-Butyne, 3-(2-hydroxyethoxy)-3-methyl-	1	1	2	1		1					
2246	25050-X	Butyraldehyde, 3-ethoxy-2-oxo-, hydrate	1	1	1	1							
2247	5514	Butyrophenone, 4-methoxy-	2	1	2		1						
2248	21737	Chalcone, 4'-methoxy-3,4-methylenedioxy-	1		1			1					
2249	17317	Chalcone, 3,4-methylenedioxy-	1	2	1	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ETHERS—Continued													
2250	21375	Chroman, 2-methyl-----	1	---	1	1	---	1	---	---	---	1	1
2251	578	Cineole-----	1	1	1	1	---	---	---	---	---	---	---
2252	15891	Creosol-----	2	1	---	---	---	---	---	---	---	---	---
2253	24998	Cyclohexane, 2,3-epoxy-1-methyl-4-isopropenyl-----	1	1	1	1	1	---	---	---	---	---	---
2254	21004	Cyclohexanol, 2-methoxy-----	2	---	1	1	---	1	---	1	---	---	---
2255	39	Dibenzofuran-----	1	---	3	1	---	1	---	1	---	---	---
2256	8416	Diethylene glycol-----	1	---	---	1	---	---	---	---	---	---	---
2257	14403	m-Dioxane, 2-benzyl-----	2	1	2	1	---	---	---	---	---	---	---
2258	31187	m-Dioxane, 2-benzyl-5-butyl-5-ethyl-----	2	2	1	1	---	---	---	---	---	1	1
2259	31272	m-Dioxane, 2-benzyl-5,5-diethyl-2-methyl-----	1	2	2	1	---	---	---	---	---	1	1
2260	31191	m-Dioxane, 2-benzyl-4,6-dimethyl-----	1	1	1	1	---	---	---	---	---	2	1
2261	31163	m-Dioxane, 2-benzyl-5,5-dimethyl-----	1	1	1	1	---	---	---	---	---	1	1
2262	31793	m-Dioxane, 2-benzyl-5-ethyl-2,5-dimethyl-----	1	1	1	2	---	---	---	---	---	---	---
2263	14054	m-Dioxane, 2-benzyl-5-ethyl-4-propyl-----	1	2	1	1	---	---	---	---	---	---	---
2264	31231	m-Dioxane, 2-benzyl-4-isopropyl-2,5,5-trimethyl-----	1	2	2	2	---	---	---	---	---	1	1
2265	31159	m-Dioxane, 2-benzyl-5-methyl-----	1	1	1	2	---	---	---	---	---	1	1
2266	31533	m-Dioxane, 2-benzyl-2,4,5,5-tetramethyl-----	1	2	1	2	---	---	---	---	---	---	---
2267	31296	m-Dioxane, 2-butyl-----	1	1	2	1	---	---	---	---	---	---	---
2268	30658	m-Dioxane, 5-butyl-2-(9-decenyl)-5-ethyl-----	1	1	1	1	1	---	---	---	---	---	---
2269	30697	m-Dioxane, 5-butyl-2-decyl-5-ethyl-----	1	1	1	1	1	---	---	---	---	---	---
2270	31285	m-Dioxane, 5-butyl-2,5-diethyl-2-phenyl-----	1	1	2	1	---	---	---	1	---	1	1
2271	30910	m-Dioxane, 5-butyl-5-ethyl-2-(p-isopropylphenyl)-----	1	1	1	1	1	---	---	---	---	---	---
2272	31807	m-Dioxane, 5-butyl-5-ethyl-2-(p-methoxyphenethyl)-2-methyl-----	1	1	1	1	---	---	---	---	---	---	---
2273	31152	m-Dioxane, 5-butyl-5-ethyl-2-(6-methyl-3-cyclohexen-1-yl)-----	1	1	1	1	---	---	---	1	---	1	1
2274	20313	m-Dioxane, 5-butyl-5-ethyl-2-(3,4-methylenedioxyphenyl)-----	1	---	1	1	---	1	---	---	---	---	---
2275	30641	m-Dioxane, 5-butyl-5-ethyl-2-octyl-----	1	1	1	2	1	---	---	---	---	---	---
2276	30376	m-Dioxane, 5-butyl-5-ethyl-2-(alpha-pentylstyryl)-----	1	---	1	1	1	---	---	---	---	---	---
2277	7061	m-Dioxane, 5-butyl-5-ethyl-2-(1-propenyl)-----	2	1	2	1	---	---	---	---	---	---	---
2278	31203	m-Dioxane, 5-butyl-5-ethyl-2-p-tolyl-----	2	2	1	1	---	---	---	---	---	1	1
2279	30967	m-Dioxane, 2-cyclopropyl-2,4-dimethyl-----	---	---	---	---	1	---	---	---	---	---	---
2280	30653	m-Dioxane, 2-(9-decenyl)-----	1	1	1	1	1	---	---	---	---	---	---
2281	30656	m-Dioxane, 2-(9-decenyl)-4,6-dimethyl-----	1	1	1	1	1	---	---	---	---	---	---
2282	30655	m-Dioxane, 2-(9-decenyl)-5,5-dimethyl-----	1	1	2	1	1	---	---	---	---	---	---
2283	31684	m-Dioxane, 2-(9-decenyl)-5-ethyl-5-methyl-----	1	1	1	2	---	---	---	---	---	---	---
2284	31067	m-Dioxane, 2-(9-decenyl)-5-ethyl-4-propyl-----	1	1	1	1	1	---	---	---	---	---	---
2285	31069	m-Dioxane, 2-(9-decenyl)-4-isopropyl-5,5-dimethyl-----	1	1	1	1	1	---	---	---	---	---	---
2286	30654	m-Dioxane, 2-(9-decenyl)-4-methyl-----	1	1	1	2	1	---	---	---	---	---	---
2287	30657	m-Dioxane, 2-(9-decenyl)-4,4,6-trimethyl-----	1	1	1	1	1	---	---	---	---	---	---
2288	30694	m-Dioxane, 2-decyl-----	1	1	1	1	1	---	---	---	---	---	---
2289	30693	m-Dioxane, 2-decyl-4,6-dimethyl-----	1	1	1	1	1	---	---	---	---	---	---
2290	30695	m-Dioxane, 2-decyl-5,5-dimethyl-----	1	1	1	1	1	---	---	---	---	---	---
2291	30690	m-Dioxane, 2-decyl-4-methyl-----	1	1	1	2	1	---	---	---	---	---	---
2292	31681	m-Dioxane, 2,5-diethyl-2,5-dimethyl-----	1	1	2	1	---	---	---	---	---	---	---
2293	31816	m-Dioxane, 5,5-diethyl-2-(p-methoxyphenethyl)-2-methyl-----	1	1	1	---	---	---	---	---	---	---	---
2294	31270	m-Dioxane, 5,5-diethyl-2-(6-methyl-3-cyclohexen-1-yl)-----	1	1	1	1	---	---	---	---	---	1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ETHERS—Continued													
2295	31796	<i>m</i> -Dioxane, 2,5-diethyl-5-methyl-2-phenyl-.....	1	1	2	1	-----	-----	-----	-----	-----	-----	-----
2296	31274	<i>m</i> -Dioxane, 5,5-diethyl-2-methyl-2-phenyl-.....	2	2	3	1	-----	-----	-----	-----	-----	1	1
2297	31268	<i>m</i> -Dioxane, 5,5-diethyl-2-phenyl-.....	1	1	1	1	-----	-----	-----	-----	-----	1	1
2298	31284	<i>m</i> -Dioxane, 2,5-diethyl-2-phenyl-4-propyl-.....	1	1	2	1	-----	-----	-----	-----	-----	1	1
2299	31275	<i>m</i> -Dioxane, 5,5-diethyl-2- <i>p</i> -tolyl-.....	2	1	2	1	-----	-----	-----	-----	-----	-----	-----
2300	31117	<i>m</i> -Dioxane, 4,6-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-.....	1	1	-----	1	-----	-----	-----	-----	-----	-----	-----
2301	31128	<i>m</i> -Dioxane, 5,5-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-.....	2	1	-----	2	-----	-----	-----	-----	-----	1	1
2302	30613	<i>m</i> -Dioxane, 4,6-dimethyl-2-octyl-.....	1	1	1	1	1	-----	-----	-----	-----	-----	-----
2303	30614	<i>m</i> -Dioxane, 5,5-dimethyl-2-octyl-.....	1	1	2	1	1	-----	-----	-----	-----	-----	-----
2304	30382	<i>m</i> -Dioxane, 4,6-dimethyl-2-(<i>alpha</i> -pentylstyryl)-.....	1	-----	1	-----	1	-----	-----	-----	-----	-----	-----
2305	30677	<i>m</i> -Dioxane, 4,6-dimethyl-2-phenethyl-.....	1	1	2	1	1	-----	-----	-----	-----	-----	-----
2306	30679	<i>m</i> -Dioxane, 5,5-dimethyl-2-phenethyl-.....	1	1	1	1	1	-----	-----	-----	-----	-----	-----
2307	31198	<i>m</i> -Dioxane, 5,5-dimethyl-2- <i>p</i> -tolyl-.....	1	1	1	1	-----	-----	-----	-----	-----	2	1
2308	31686	<i>m</i> -Dioxane, 5-ethyl-2,5-dimethyl-2-phenyl-.....	1	1	2	1	-----	-----	-----	-----	-----	-----	-----
2309	31282	<i>m</i> -Dioxane, 2-ethyl-5,5-dimethyl-2-phenyl-.....	1	2	3	1	-----	-----	-----	-----	-----	1	1
2310	5079	<i>m</i> -Dioxane, 2-(2-ethylhexyl)-5-hydroxy- and 1,3-Dioxolane-4-methanol, 2-(2-ethylhexyl)-.....	1	1	1	1	-----	-----	-----	2	-----	1	-----
2311	30909	<i>m</i> -Dioxane, 5-ethyl-2-(<i>p</i> -isopropyl-phenyl)-4-propyl-.....	2	1	1	1	1	-----	-----	-----	-----	-----	-----
2312	31818	<i>m</i> -Dioxane, 5-ethyl-2-(<i>p</i> -methoxyphenethyl)-2,5-dimethyl-.....	1	1	1	-----	-----	-----	-----	-----	-----	-----	-----
2313	31808	<i>m</i> -Dioxane, 5-ethyl-2-(<i>p</i> -methoxyphenethyl)-2-methyl-4-propyl-.....	1	2	1	1	-----	-----	-----	-----	-----	-----	-----
2314	31151	<i>m</i> -Dioxane, 5-ethyl-2-(6-methyl-3-cyclohexen-1-yl)-4-propyl-.....	1	1	1	1	-----	-----	-----	-----	-----	1	1
2315	20184	<i>m</i> -Dioxane, 5-ethyl-2-(3,4-methylenedioxyphenyl)-4-propyl-.....	1	-----	1	1	-----	-----	-----	-----	-----	-----	-----
2316	31683	<i>m</i> -Dioxane, 5-ethyl-5-methyl-2-(6-methyl-3-cyclohexen-1-yl)-.....	-----	-----	-----	1	-----	-----	-----	-----	-----	1	1
2317	31278	<i>m</i> -Dioxane, 2-ethyl-4-methyl-2-phenyl-.....	1	2	1	1	-----	-----	-----	-----	-----	-----	-----
2318	31675	<i>m</i> -Dioxane, 5-ethyl-5-methyl-2-phenyl-.....	1	1	2	1	-----	-----	-----	-----	-----	-----	-----
2319	31680	<i>m</i> -Dioxane, 5-ethyl-5-methyl-2-styryl-.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
2320	30686	<i>m</i> -Dioxane, 5-ethyl-2-phenethyl-4-propyl-.....	1	2	1	1	1	-----	1	-----	-----	1	1
2321	21254	<i>m</i> -Dioxane, 2-ethyl-5-piperonyl-.....	1	-----	-----	-----	-----	1	-----	-----	-----	-----	-----
2322	31204	<i>m</i> -Dioxane, 5-ethyl-4-propyl-2- <i>p</i> -tolyl-.....	1	2	1	1	-----	-----	-----	-----	-----	-----	-----
2323	31522	<i>m</i> -Dioxane, 2-ethyl-2,4,5,5-tetramethyl-.....	1	1	2	1	-----	-----	-----	-----	-----	-----	-----
2324	31529	<i>m</i> -Dioxane, 2-ethyl-4,5,5-trimethyl-2-phenyl-.....	2	2	3	1	-----	-----	-----	-----	-----	-----	-----
2325	31283	<i>m</i> -Dioxane, 2-ethyl-4,4,6-trimethyl-2-phenyl-.....	1	1	2	1	-----	-----	-----	-----	-----	1	1
2326	31153	<i>m</i> -Dioxane, 4-isopropyl-5,5-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-.....	2	1	1	1	-----	-----	-----	-----	-----	1	1
2327	30377	<i>m</i> -Dioxane, 4-isopropyl-5,5-dimethyl-2-(<i>alpha</i> -pentylstyryl)-.....	1	-----	1	1	1	-----	-----	-----	-----	-----	-----
2328	31155	<i>m</i> -Dioxane, 4-isopropyl-5,5-dimethyl-2-phenyl-.....	2	1	1	1	-----	-----	-----	-----	-----	1	1
2329	31682	<i>m</i> -Dioxane, 4-isopropyl-5,5-dimethyl-2-styryl-.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
2330	31205	<i>m</i> -Dioxane, 4-isopropyl-5,5-dimethyl-2- <i>p</i> -tolyl-.....	2	2	1	2	-----	-----	-----	-----	-----	1	1
2331	31809	<i>m</i> -Dioxane, 4-isopropyl-2-(<i>p</i> -methoxyphenethyl)-2,5,5-trimethyl-.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
2332	31230	ETHERS—Continued											
		<i>m</i> -Dioxane, 4-isopropyl-2-(<i>p</i> -methoxyphenyl)-5,5-dimethyl-----	2	2	1	2	-----	-----	-----	-----	-----	1	1
2333	30908	<i>m</i> -Dioxane, 2-(<i>p</i> -isopropylphenyl)-5,5-dimethyl-----	2	1	2	1	1	-----	-----	-----	-----		
2334	30384	<i>m</i> -Dioxane, 2-(<i>p</i> -isopropylphenyl)-4-methyl-----	2	-----	1	-----	1	-----	-----	-----	-----		
2335	31480	<i>m</i> -Dioxane, 2-(<i>p</i> -methoxyphenethyl)-2,4-dimethyl-----	2	2	1	1	-----	-----	-----	-----	-----		
2336	31817	<i>m</i> -Dioxane, 2-(<i>p</i> -methoxyphenethyl)-2-methyl-----	1	1	1	-----	-----	-----	-----	-----	-----		
2337	31815	<i>m</i> -Dioxane, 2-(<i>p</i> -methoxyphenethyl)-2,4,4,6-tetramethyl-----	2	2	2	-----	-----	-----	-----	-----	-----		
2338	31672	<i>m</i> -Dioxane, 2-(<i>p</i> -methoxyphenethyl)-2,5,5-trimethyl-----	1	2	1	1	-----	-----	-----	-----	-----		
2339	5533	<i>m</i> -Dioxane, 4-(<i>p</i> -methoxyphenyl)-5-methyl-----	1	-----	-----	1	-----	-----	-----	-----	-----		
2340	31524	<i>m</i> -Dioxane, 2-(<i>p</i> -methoxyphenyl)-4,5,5-trimethyl-----	1	1	1	1	-----	-----	-----	-----	-----		
2341	31120	<i>m</i> -Dioxane, 2-(6-methyl-3-cyclohexenyl)-	1	1	-----	1	-----	-----	-----	-----	-----		
2342	31828	<i>m</i> -Dioxane, 4-methyl-2-(<i>alpha</i> -methylbenzyl)-	1	1	1	-----	-----	-----	-----	-----	-----		
2343	31115	<i>m</i> -Dioxane, 4-methyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	-----	1	-----	-----	-----	-----	-----		
2344	20292	<i>m</i> -Dioxane, 4-methyl-2-(3,4-methylene-dioxyphenyl)-	1	-----	1	1	-----	1	-----	-----	-----		
2345	5535	<i>m</i> -Dioxane, 5-methyl-4-(3,4-methylene-dioxyphenyl)-	1	-----	-----	1	-----	-----	-----	-----	-----		
2346	30611	<i>m</i> -Dioxane, 4-methyl-2-octyl-----	1	1	1	1	1	-----	-----	-----	-----		
2347	30412	<i>m</i> -Dioxane, 2-methyl-2-pentyl-----	1	-----	2	1	1	-----	-----	-----	-----		
2348	30362	<i>m</i> -Dioxane, 4-methyl-2-(<i>alpha</i> -pentylstyryl)-	1	-----	1	1	1	-----	-----	-----	-----		
2349	30676	<i>m</i> -Dioxane, 4-methyl-2-phenethyl-----	2	1	1	1	1	-----	-----	-----	-----		
2350	30366	<i>m</i> -Dioxane, 2-(<i>alpha</i> -pentylstyryl)-	1	1	1	1	1	-----	-----	-----	-----		
2351	13171	<i>m</i> -Dioxane, 2-phenethyl-----	1	1	1	1	-----	-----	-----	-----	-----		
2352	5849	<i>m</i> -Dioxane, 4-phenyl-----	1	-----	1	1	-----	-----	-----	-----	-----		
2353	31669	<i>m</i> -Dioxane, 2,4,5,5-tetramethyl-2-phenyl-----	1	1	3	2	-----	-----	-----	-----	-----		
2354	31271	<i>m</i> -Dioxane, 2,5,5-triethyl-2-methyl-----	1	1	3	1	-----	-----	-----	-----	-----	1	1
2355	31418	<i>m</i> -Dioxane, 2,5,5-triethyl-2-phenyl-----	1	1	3	2	-----	-----	-----	-----	-----		
2356	31129	<i>m</i> -Dioxane, 4,4,6-trimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	2	1	2	1	-----	-----	-----	-----	-----	1	1
2357	31528	<i>m</i> -Dioxane, 4,5,5-trimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	2	1	3	1	-----	-----	-----	-----	-----		
2358	30615	<i>m</i> -Dioxane, 4,4,6-trimethyl-2-octyl-----	1	1	1	1	1	-----	-----	-----	-----		
2359	30678	<i>m</i> -Dioxane, 4,4,6-trimethyl-2-phenethyl-----	2	2	1	1	1	-----	-----	-----	-----		
2360	31536	<i>m</i> -Dioxane, 4,5,5-trimethyl-2-phenethyl-----	1	1	1	1	-----	-----	-----	-----	-----		
2361	5722	<i>m</i> -Dioxane, 4,4,6-trimethyl-2-phenyl-----	1	1	2	1	1	-----	-----	-----	-----		
2362	31519	<i>m</i> -Dioxane, 4,5,5-trimethyl-2-phenyl-----	1	1	1	1	-----	-----	-----	-----	-----		
2363	31202	<i>m</i> -Dioxane, 4,4,6-trimethyl-2- <i>p</i> -tolyl-----	2	2	1	1	-----	-----	-----	-----	-----		
2364	31527	<i>m</i> -Dioxane, 4,5,5-trimethyl-2- <i>p</i> -tolyl-----	1	1	2	1	-----	-----	-----	-----	-----	1	1
2365	1055	<i>p</i> -Dioxane-----	1	-----	1	1	-----	1	-----	-----	-----		
2366	5103	<i>m</i> -Dioxan-5-ol, 2-(1-ethylpropyl)- and 1,3-dioxolane-4-methanol, 2-(1-ethylpropyl)-	1	1	2	1	-----	-----	-----	1	1		
2367	22811	1,4-Dioxaspiro[4.5]decane, 2,3,8-trimethyl-----	1	1	3	1	1	1	1	-----	-----		
2368	31273	6,10-Dioxaspiro[4.5]decane, 8,8-diethyl-----	2	1	3	1	-----	-----	-----	1	-----		
2369	31679	6,10-Dioxaspiro[4.5]decane, 8-ethyl-8-methyl-----	1	1	2	1	-----	-----	-----	-----	-----	1	1
2370	31813	6,10-Dioxaspiro[4.5]decane, 7-isopropyl-8,8-dimethyl-----	1	2	2	-----	-----	-----	-----	-----	-----		
2371	31526	6,10-Dioxaspiro[4.5]decane, 7,8,8-trimethyl-----	1	1	2	1	-----	-----	-----	-----	-----		
2372	31824	1,4-Dioxaspiro[4.5]decane-2-butanol-----	1	1	1	-----	-----	-----	-----	-----	-----		

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ETHERS—Continued													
2373	31825	1,4-Dioxaspiro[4.4]nonane-2-butanol	1	1	1								
2374	31276	1,5-Dioxaspiro[5.5]undecane, 3,3-diethyl-	2	1	2	1						1	1
2375	31541	1,5-Dioxaspiro[5.5]undecane, 3,3-diethyl-9-methyl-	1	2	1	1							
2376	31542	1,5-Dioxaspiro[5.5]undecane, 2,9-dimethyl-	1	1	2	1							
2377	31678	1,5-Dioxaspiro[5.5]undecane, 3-ethyl-3-methyl-	1	1	2	1							
2378	31632	1,5-Dioxaspiro[5.5]undecane, 3-ethyl-9-methyl-2-propyl-	1	1	1								
2379	31540	1,5-Dioxaspiro[5.5]undecane, 2,3,3,9-tetramethyl-	1	2	2	1							
2380	31523	1,5-Dioxaspiro[5.5]undecane, 2,3,3-trimethyl-	1	1	3	1							
2381	31631	1,5-Dioxaspiro[5.5]undecane, 3,3,9-trimethyl-	1	1	3								
2382	31161	1,3-Dioxolane, 2-benzyl-					1						
2383	31158	1,3-Dioxolane, 2-benzyl-4,5-dimethyl-	1	1	1	1						1	1
2384	31157	1,3-Dioxolane, 2-benzyl-4-methyl-	2	1	1	1						1	1
2385	24762	1,3-Dioxolane, 2-(bicyclo[2.2.1]hept-5-en-2-yl)-	1		1								
2386	24772	1,3-Dioxolane, 2-(cyclohexylmethyl)-2-methyl-	2		2					2	1		
2387	30934	1,3-Dioxolane, 2-cyclopropyl-2,4-dimethyl-	1	1	1	1	1						
2388	30935	1,3-Dioxolane, 2-cyclopropyl-2,4,5-trimethyl-	1	1	1	1	1						
2389	30649	1,3-Dioxolane, 2-(9-decenyl)-	2	1	1	1	1						
2390	30652	1,3-Dioxolane, 2-(9-decenyl)-4,5-dimethyl-	1	1	1	2	1						
2391	30651	1,3-Dioxolane, 2-(9-decenyl)-4-methyl-	2	1	1	1	1						
2392	30691	1,3-Dioxolane, 2-decyl-	2	1	1	1	1						
2393	30689	1,3-Dioxolane, 2-decyl-4,5-dimethyl-	1	1	1	1	1						
2394	30688	1,3-Dioxolane, 2-decyl-4-methyl-	1	1	1	1	1						
2395	31827	1,3-Dioxolane, 4,5-dimethyl-2-(<i>alpha</i> -methylbenzyl)-	1	1	2								
2396	31116	1,3-Dioxolane, 4,5-dimethyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1		1							
2397	20227	1,3-Dioxolane, 4,5-dimethyl-2-(3,4-methylenedioxyphenyl)-	1	1		1		1					
2398	30612	1,3-Dioxolane, 4,5-dimethyl-2-octyl-	2	1	2	1	1						
2399	30392	1,3-Dioxolane, 2,4-dimethyl-2-pentyl-	1	1	2	1	1						
2400	30375	1,3-Dioxolane, 4,5-dimethyl-2-(<i>alpha</i> -pentylstyryl)-	1	1	1	1	1						
2401	30674	1,3-Dioxolane, 4,5-dimethyl-2-phenethyl-	2	1	1	1	1						
2402	24754	1,3-Dioxolane, 2,2-dimethyl-4-phenyl-	1		2		1			2	1		
2403	22427	1,3-Dioxolane, 4,5-dimethyl-2-phenyl-				2	1	1	1		1		
2404	31620	1,3-Dioxolane, 2,2-dimethyl-4-tetradecyl-	1	1	1	2	1						
2405	31197	1,3-Dioxolane, 4,5-dimethyl-2- <i>p</i> -tolyl-	2	1	3	1						1	1
2406	31279	1,3-Dioxolane, 2-ethyl-4,5-dimethyl-2-phenyl-	2	2	2	1						1	1
2407	24755	1,3-Dioxolane, 2-ethyl-2-methyl-4-phenyl-	1		2								
2408	31277	1,3-Dioxolane, 2-ethyl-4-methyl-2-phenyl-	2	2	2	1						1	1
2409	31299	1,3-Dioxolane, 2-ethyl-2-phenyl-	2	1	2	1						1	1
2410	30907	1,3-Dioxolane, 2-(<i>p</i> -isopropylphenyl)-	1	1	1	1	1						
2411	30904	1,3-Dioxolane, 2-(<i>p</i> -isopropylphenyl)-4,5-dimethyl-	2	1	1	1	1						
2412	30383	1,3-Dioxolane, 2-(<i>p</i> -isopropylphenyl)-4-methyl-	3		1		1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ETHERS—Continued													
2413	24763	1,3-Dioxolane, 2-(2-methoxyethyl)-4-phenyl-	1	---	1	1	1	---	---	2	1		
2414	31479	1,3-Dioxolane, 2-(<i>p</i> -methoxyphenethyl)-2,4-dimethyl-	2	2	1	1	---						
2415	31481	1,3-Dioxolane, 2-(<i>p</i> -methoxyphenethyl)-2-methyl-	2	2	1	1	---						
2416	31482	1,3-Dioxolane, 2-(<i>p</i> -methoxyphenethyl)-2,4,5-trimethyl-	2	2	1	1	---						
2417	20390	1,3-Dioxolane, 2-(<i>p</i> -methoxyphenyl)-4,5-dimethyl-	1	1	1	1	1	1	1	1	2		
2418	31829	1,3-Dioxolane, 2-(<i>alpha</i> -methylbenzyl)-	2	1	2	---							
2419	31112	1,3-Dioxolane, 2-(6-methyl-3-cyclohexen-1-yl)-	1	1	1	1	---						
2420	31826	1,3-Dioxolane, 4-methyl-2-(<i>alpha</i> -methylbenzyl)-	2	1	2	---			1				
2421	31122	1,3-Dioxolane, 4-methyl-2-(6-methyl-3-cyclohexen-1-yl)-	1	1	---	1	---						
2422	20182	1,3-Dioxolane, 4-methyl-2-(3,4-methylenedioxyphenyl)-	1	---	1	---							
2423	31504	1,3-Dioxolane, 4-methyl-2-(1-naphthyl)-	1	1	1	1	---						
2424	30604	1,3-Dioxolane, 4-methyl-2-octyl-	1	1	1	1	1	---					
2425	30363	1,3-Dioxolane, 4-methyl-2-(<i>alpha</i> -pentylstyryl)-	1	---	3	1	1	---					
2426	30673	1,3-Dioxolane, 4-methyl-2-phenethyl-	2	2	1	1	1	---					
2427	30605	1,3-Dioxolane, 2-octyl-	1	1	1	1	1	---					
2428	30361	1,3-Dioxolane, 2-(<i>alpha</i> -pentylstyryl)-	1	---	2	1	1	---					
2429	30675	1,3-Dioxolane, 2-phenethyl-	1	1	1	1	1	---					
2430	24753	1,3-Dioxolane, 4-phenyl-	1	---	1	---	1	---		2	1		
2431	31821	1,3-Dioxolane-4-butanol, 2,2-dimethyl-	1	1	1	---							
2432	31823	1,3-Dioxolane-4-butanol, 2-methyl-2-propyl-	1	1	1	---							
2433	31819	1,3-Dioxolane-4-butanol, 2-phenyl-	1	1	2	---							
2434	31822	1,3-Dioxolane-4-butanol, 2-propyl-	1	1	1	---							
2435	25143	1,3-Dioxolane-2-methanol, <i>alpha</i> -ethyl-4-(hydroxymethyl)- <i>alpha</i> ,2-dimethyl-	1	1	1	1	---	1	---				
	5103	1,3-Dioxolane-4-methanol, 2-(1-ethylpropyl)- and <i>m</i> -dioxan-5-ol, 2-(1-ethylpropyl)- (See item 2366.)											
2436	14199	Dodecane, 1,2-epoxy-	---			1	1	---					
2437	20815	Elemicin	2	2	1	1	---						
2438	31842	Epoxy compound of 4-(<i>p</i> -hydroxyphenyl)-2-butanone (crude)	2	1	2	---							
2439	17969	<i>o</i> -Estragole	1	---		1	---						
2440	10055	<i>o</i> -Estragole, 4-methyl-	1	1	1	1	---						
2441	16052	<i>p</i> -Estragole (or Methyl chavicol)	2	1	3	1	---						
2442	25056	Ethane, 1-[2-(2-butoxyethoxy)ethoxy]-2-(vinyl-)	1	---	1	1	---			2	1		
2443	25055	Ethane, 1-(2-butoxyethoxy)-2-(vinyl-)	3	---	1	1	---						
2444	14413	Ethane, 1-butoxy-2-(vinyl-)	1	---	2	1	---			1	1		
2445	24757	Ethane, 1,2-dimethoxy-1-phenyl-	1	---	1	1	---			2	1		
2446	25061	Ethane, 1-[2-(2-ethoxyethoxy)ethoxy]-2-(vinyl-)	1	---	1	1	---						
2447	25057	Ethane, 1-(2-ethoxyethoxy)-2-(vinyl-)	1	---	1	1	---						
2448	18434	Ethane, 1-methoxy-2-(vinyl-)	1	---	1	1	---			1	1		
2449	9903	Ethanol, 2-butoxy-	---	1	1	---				1	1		
2450	30236	Ethanol, 2-[2-(2-butoxyethoxy)ethoxy]-	1	1	1	---							
2451	33	Ethanol, 2-(<i>p</i> - <i>tert</i> -butylphenoxy)-	1	---		1	---	1					
2452	5014	Ethanol, 2-(<i>carvacryloxy</i>)-	1	1	1	---	1	---					
2453	9112	Ethanol, 2-(2,5-diisobutylphenoxy)-	1	1	---		1	---					
2454	1236	Ethanol, 2-ethoxy-	1	2	---			---					
2455	1740	Ethanol, 2-(2-ethoxyethoxy)-		1	---			---					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ETHERS—Continued													
2456	18363	Ethanol, 2-methoxy-	1	1					2				
2457	31373	Ethanol, 2-(3,4-methylenedioxyphenyl)-	1	1	1							1	1
2458	30229	Ethanol, 2-propoxy-	2	2	1	1	1					1	1
2459	31596	Ether, allyl cetyl	1	1	1	1	1						
2460	31573	Ether, allyl dodecyl	1	1	1	1							
2461	24223	Ether, allyl ethyl	1	1									
2462	31571	Ether, allyl heptyl	1	1	2	1							
2463	31570	Ether, allyl hexyl	1	1	2	1							
2464	31595	Ether, allyl myristyl	1	1	1	1							
2465	31572	Ether, allyl octyl	1	1	2	1		1					
2466	3143	Ether, allyl phenyl	1	1	1	1	1	1					
2467	23749	Ether, allyl <i>p</i> -(1,1,3,3-tetramethylbutyl)-benzyl					1						
2468	25058	Ether, allyl vinyl	1		1	1				2	1		
2469	22104	Ether, benzhydryl butyl					1						
2470	948	Ether, benzyl butyl	2	1	1	1	1						
2471	21993	Ether, benzyl methyl	1	1	1	1	1	1				1	1
2472	11671	Ether, benzyl 2-phenylpropyl					1						
2473	2160	Ether, 2-biphenyl butyl					1						
2474	23747	Ether, bis(3(and 5)-allyloxy-4(and 3)-pentenyl)					1						
2475	19431	Ether, bis[2-(2-butoxyethoxy)ethyl]					1	1					
2476	2291	Ether, bis(2-cyclohexylethyl)					1						
2477	2292	Ether, bis(3-cyclohexylpropyl)					1						
2478	19428	Ether, bis(2-ethoxyethyl)	1	1			1	1					
2479	9164	Ether, bis(2-eugenylloxyethyl)					2						
2480	2472	Ether, bis(isopropyltolyl)					1						
2481	7787	Ether, bis(<i>p</i> -methoxybenzyl)					1						
2482	24224	Ether, bis[2-(2-methoxyethoxy)ethyl]	1	1									
2483	23142	Ether, bis(<i>p</i> -methoxyphenoxymethyl)					1						
2484	2895	Ether, bis(2-methylallyl)					1						
2485	15478	Ether, bis(2-phenoxyethyl)					1						
2486	2295	Ether, bis(3-phenylpropyl)					1						
2487	2159	Ether, 5- <i>tert</i> -butyl-2-biphenyl ethyl					1						
2488	7832	Ether, <i>x-tert</i> -butyl-3-biphenyl isopropyl					1						
2489	446	Ether, butyl phenyl	1										
2490	18170	Ether, <i>p-tert</i> -butylphenyl phenyl					1						
2491	20325	Ether, butyl <i>p</i> -(1,1,3,3-tetramethylbutyl)-phenyl					1	1					
2492	24225	Ether, butyl vinyl	1	1	1	1	1				1		
2493	25059	Ether, 2-ethylhexyl vinyl	2		1	1				2	1		
2494	24226	Ether, ethyl vinyl	1		1	1				2	1		
2495	21570	Ether, isobutyl phenyl	1			1	1	1				1	1
2496	18425	Ether, isobutyl vinyl	1		1	1				1	1		
2497	24227	Ether, phenyl propyl	1	1	1		1						
2498	20702	Ether, piperonyl 2-tetrahydropyranyl	1	1	1	1		1					
2499	20326	Ether, <i>p</i> -(1,1,3,3-tetramethylbutyl)-phenyl propyl					1	1					
2500	24233	Ethyl ether	1										
2501	86	Eugenol	3		1	1			1	1	1		
2502	24244	Furan	1	2									
2503	25060	Furan, 2,5-diethoxytetrahydro-	1		1	1							
2504	23593	Furan, 3,5-diethyltetrahydro-2,5-dimethyl-	1		1								
2505	21212	Furan, 2,5-dimethyl-	2	1									
2506	24245	Furan, 2-methyl-	1	1									
2507	7570	Furan, tetrahydro-	1	1									
2508	30795	Furan, tetrahydro-2-(methoxymethyl)-	1	1	1	1						1	1
2509	25141	Furan, tetrahydro-2,2,5,5-tetramethyl-	1	1	1	2	1			1	1		
2510	20005	Furfuryl alcohol, <i>alpha</i> -allyl-	1			1		1					
2511	5615	Guaiacol	3	2				1	1	2	1		
2512	25315	Hexadecane, 1,2-epoxy- and octadecane, 1,2-epoxy-					2						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ETHERS—Continued													
2513	30928	3-Hexanone, 1-(<i>p</i> -methoxyphenyl)-	2	1	1	1	1						
2514	30929	3-Hexanone, 1-(<i>p</i> -methoxyphenyl)-5-methyl-	1	1	1	1	1						
2515	30924	1-Hexen-3-one, 1-(<i>p</i> -methoxyphenyl)-	2	2	2	1	1						
2516	30925	1-Hexen-3-one, 1-(<i>p</i> -methoxyphenyl)-5-methyl-	2	1	2	1	1						
2517	1454	Hexyl ether	1	1									
2518	25149	3-Hexyne, 2,5-diethoxy-2,5-dimethyl-	1	2	1	1	1			1	1		
2519	15356	Isoeugenol	3		1			1		2	1	2	
2520	2268	Isopentyl ether	1	1					2				
2521	24270	Isopropyl ether	1	1									
2522	2068	Isosafrole	2	1		1				2	1		
2523	9089	Maltose	1	2									
2524	11571	Methane, di- <i>tert</i> -butoxy-					1		1	2	2		
2525	24286	Methane, diethoxy-	1	2									
2526	24287	Methane, dipropoxy-					1						
2527	24622	2,5-Methano-2 <i>H</i> -indeno[1,2- <i>b</i>]oxirene, 4,4'-[oxybis(ethyleneoxy)]bis[octahydro-	1			1							
2528	947	Naphthalene, 1-(benzyloxy)-					1						
2529	179	Naphthalene, 1-ethoxy-	2	1									
2530	132	Naphthalene, 2-ethoxy-	1	1									
2531	2144	Naphthalene, 1-methoxy-	1	1									
2532	21213	Naphthalene, 2-methoxy-	2	1		1		1	1	2	1		
2533	30292	2-Naphthalenemethanol, 3-methoxy-	1	1	1	1							
2534	24293	Nerolin	1	1									
2535	30927	1-Nonen-3-one, 1-(<i>p</i> -methoxyphenyl)-	1	1	2	1	1						
	25315	Octadecane, 1,2 epoxy- and hexadecane, 1,2 epoxy- (See item 2512.)											
2536	25092	1,6-Octadiene, 3-methoxy-3,7-dimethyl-	1		2	1	1			1	2		
2537	25054	Octane, 2,3-epoxy-				1	1						
2538	30930	3-Octanone, 1-(<i>p</i> -methoxyphenyl)-	1	1	1	2	1						
2539	30926	1-Octen-3-one, 1-(<i>p</i> -methoxyphenyl)-	1	1	2	1	1						
2540	3115	Paraldehyde	1						1				
2541	24751	3-Pentanone, 1-(<i>p</i> -methoxyphenyl)-			1					2	1		
2542	30921	1-Penten-3-one, 1-(2-hydroxy-3-methoxyphenyl)-	2	1	2	1	1						
2543	30959	1-Penten-3-one, 4-hydroxy-1-(<i>p</i> -methoxyphenyl)-4-methyl-	2	1	2	1							
2544	21250	1-Penten-3-one, 1-(<i>o</i> -methoxyphenyl)-	1	1	1	1	1	1	1	2	2		
2545	30922	1-Penten-3-one, 1-(<i>p</i> -methoxyphenyl)-	1	1	1	1	1						
2546	30923	1-Penten-3-one, 1-(<i>p</i> -methoxyphenyl)-4-methyl-	1	1	2	1	1						
2547	5898	Phenethyl alcohol, <i>p</i> -butoxy-	1		1	1		1					
2548	5616	Phenetole	1	2		1		1					
2549	20952	Phenetole, <i>o</i> -allyl-	1			1		1		1	1		
2550	10056	Phenetole, 2-allyl-4-methyl-	1	1	1	1							
2551	21005	Phenetole, <i>o</i> -isopropenyl-	1			1							
2552	24476	Phenetole, <i>m</i> -methyl-		1									
2553	24340	Phenetole, <i>o</i> -methyl-	1	1									
2554	24341	Phenetole, <i>p</i> -methyl-	1	1									
2555	23057	Phenol, 4-allyl-2,6-dimethoxy-	3	2	3								
2556	17109	Phenol, 2-allyl-4-methoxy-	3			1							
2557	30303	Phenol, 2-allyl-4,5-methylenedioxy-	1	2	1	1							
2558	21042	Phenol, 2-(2-butenyl)-4-methoxy-	2			1		1					
2559	23971	Phenol, 2-(butoxymethoxy)-5-(1-propenyl)- (2 parts) and phenol, 2-(butoxymethoxy)-4-(1-propenyl)- (1 part)	2			1							
2560	11189	Phenol, 2,6-dimethoxy-	2	1									
2561	795	Phenol, <i>m</i> -ethoxy-	1	1	2	1							
2562	25000	Phenol, 2-ethoxy-5-propenyl-	1	1	1	1							
2563	796	Phenol, <i>m</i> -methoxy-	2	1	1	1							
2564	841	Phenol, <i>p</i> -methoxy-	2	2									

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		ETHERS—Continued											
2565	21494	Phenol, 4-methoxy-2-(2-methylallyl)-			1	1		1				1	1
2566	31250	Phenol, 2-(2-methylallyl)-4,5-methylenedioxy-	1		1								
2567	749	Phenyl ether	1			1		1	1				
2568	24997	Pinane, 2,3-epoxy-	1	1	1	1	1						
2569	20293	Piperonyl alcohol, <i>alpha-tert</i> -butyl-	1		1	2	1	1	1	1	1		
2570	21037	Piperonyl alcohol, <i>alpha</i> -(<i>o</i> -methylphenyl)-	1		1	1		1					
2571	21057	Piperonyl alcohol, <i>alpha</i> -(<i>p</i> -methylphenyl)-	1		1	1		1					
2572	20381	Piperonyl alcohol, <i>alpha</i> -(2-methyl-2-propenyl)-	1			1		1					
2573	20085	Piperonyl alcohol, <i>alpha</i> -propyl-	2			1		1					
2574	16012	Piperonyl alcohol, 6-propyl-	1			1			1	2	2		
2575	14250	Piperonyl butoxide (or Toluene, <i>alpha</i> -[2-(2-butoxyethoxy)ethoxy]-4,5-methylenedioxy-2-propyl)-	1			1							
2576	3550	1,2-Propanediol, 3-methoxy-	2	1									
2577	24947	1,2-Propanediol, 3-(<i>o</i> -methoxyphenoxy)-	1	1	1	1							
2578	21347	1,3-Propanediol, 1-(3,4-methylenedioxyphenyl)-2-phenyl-	2		1	1		1				2	1
2579	21016	1-Propanol, 2-methyl-3-(3,4-methylenedioxyphenyl)-	1			1		1					
2580	31015	1-Propanol, 3-(3-phenoxypropoxy)-	1	1	1	1	1						
2581	3551	2-Propanol, 1,3-dimethoxy-	1	1	1								
2582	15573	2-Propanol, 1-methoxy-	1	1	1	1							
2583	1233	2-Propanol, 1,1'-oxydi-	2	2									
2584	30059	2-Propanone, 1-(3,4-methylenedioxyphenyl)-	2	1	1	1	1				1	1	1
2585	30701	2-Propen-1-ol, 3-(3,4-methylenedioxyphenyl)-2-phenyl-					1						
2586	4094	Propiophenone, 4'-methoxy-	2	1	1	1							
2587	21874	Propiophenone, 4'-methoxy-3-(3,4-methylenedioxyphenyl)-	2	1	1	1		1					
2588	31258	Propiophenone, 3',4'-methylenedioxy-	1	1	1							1	1
2589	30337	Pyran, 2-(2-allyl-4,5-methylenedioxyphenoxy)tetrahydro-	1	1	1	1	1						
2590	31380	Pyran, 2-[2-(2-butoxyethoxy)ethoxy]tetrahydro-	1	2	2	1						1	1
2591	30005	Pyran, tetrahydro-2-(<i>p</i> -methoxyphenoxy)-	1	1	2	1				2	1		
2592	31397	Pyran, tetrahydro-2-(2-methoxy-1-methylethoxy)-				1						2	1
2593	30238	Pyran, tetrahydro-2-(2-propynyloxy)-	1	1	1	1	1						
2594	24750	2 <i>H</i> -Pyran, 2-ethoxy-3,4-dihydro-	1		1	1				2	1		
2595	24752	Pyran-2-methanol, 3,4-dihydro-			1		1			2	1		
2596	14307	Pyran-2-methanol, tetrahydro-			1								
2597	20945	4 <i>H</i> -Pyran-4-one, 2-(hydroxymethyl)-5-methoxy-					1						
2598	21349	Pyrocatechol, 3-methoxy-	2		1							1	1
2599	514	Safrole	1	1		1			1				
2600	30044	<i>o</i> -Safrole			1	1							
2601	811	Sesamin	1										
2602	9085	Sucrose	2	2	1								
2603	24999	2,4,8,10-Tetroxaspiro[5.5]undecane, 3,9-divinyl-	1	1	1	1							
2604	21137	Toluene, 3,5-dimethoxy-	3		1	1		1					
2605	1453	Triethylene glycol	1	1									
2606	2281	Veratrole	2	1						1	1		
2607	20965	Veratrole, 3-allyl-	3			1	1	1					
2608	21040	Veratrole, 4-allyl- (or Methyleugenol)	3		1		1	1	1	1	1		
2609	31266	Veratrole, 3-(2-methylallyl)-	3	1	1	1						1	1
2610	20967	Veratrole, 4-propenyl-	3			1	1	1	1	1	1		

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ETHERS—Continued													
2611	20939	Veratrole, 4-propyl-	3	---	1	1	---	1	---	1	1	---	---
2612	21225	Veratrole, 4-(2-propynyl)-	3	---	1	1	---	1	---	---	---	---	---
2613	24181	Veratryl alcohol	3	3	2	1	---	---	---	2	---	---	---
2614	30371	<i>m</i> -Xylene, 4,6-bis(ethoxymethyl)-	1	---	2	1	1	---	---	---	---	---	---
2615	19010	Xylose	---	1	---	---	---	---	---	---	---	---	---
GROUP 6.—KETONES													
2616	673	1-Acetonaphthone	1	1	1	1	---	1	---	---	---	---	---
2617	642	2-Acetonaphthone	2	---	1	1	---	---	---	---	---	---	---
2618	1238	Acetone	1	---	---	---	---	---	---	---	---	---	---
2619	575	Acetophenone	1	1	1	1	---	1	1	1	2	---	---
2620	866	Acetophenone, 2',4'-dihydroxy-	1	1	---	---	---	---	---	---	---	---	---
2621	8507	Acetophenone, 4'-ethyl-	1	1	---	---	---	---	---	---	---	---	---
2622	12134	Acetophenone, 2'-hydroxy-	1	1	1	1	---	---	---	---	---	---	---
2623	12133	Acetophenone, 4'-hydroxy-	1	1	1	1	---	---	---	---	---	---	---
2624	227	Acetophenone, 4'-methoxy-	1	1	1	---	---	---	---	---	---	---	---
2625	734	Acetophenone, 4'-methyl-	1	1	2	1	---	1	1	---	---	---	---
2626	898	Benzil	1	2	1	---	1	---	---	2	1	---	---
2627	754	Benzophenone	1	---	1	---	---	---	---	---	---	---	---
2628	9068	<i>p</i> -Benzoquinone	2	1	1	---	---	---	---	---	---	---	---
2629	3313	2,3-Butanedione	1	1	1	1	---	1	1	2	1	---	---
2630	7540	2-Butanone	1	---	---	---	---	---	1	---	---	---	---
2631	3314	2-Butanone, 3-hydroxy-	1	2	---	1	---	1	---	---	---	---	---
2632	23404	2-Butanone, 3-hydroxy-3-methyl-	1	1	1	1	1	---	---	---	---	---	---
2633	25144	2-Butanone, 3-hydroxy-3-phenyl-	2	1	1	1	1	---	---	2	1	---	---
2634	31830	2-Butanone, 4-(<i>o</i> -hydroxyphenyl)-	1	1	1	1	---	---	---	---	---	---	---
2635	21273	2-Butanone, 4-(<i>p</i> -isopropylphenyl)-	1	2	1	2	---	1	---	1	2	---	---
2636	24194	2-Butanone, 3-methyl-	2	---	---	---	---	---	---	---	---	---	---
2637	25082	2-Butanone, 4-(2-methyl-5-isopropenyl-1-cyclopenten-1-yl)-	1	---	1	1	1	---	---	1	1	---	---
2638	24790	2-Butanone, 3-methyl-4-phenyl-	2	---	2	---	1	---	---	2	1	---	---
2639	24791	2-Butanone, 3-methyl-4- <i>p</i> -tolyl-	1	---	2	---	---	---	---	---	---	---	---
2640	15123	2-Butanone, 4-phenyl-	2	3	2	1	---	---	1	1	1	---	---
2641	21979	2-Butanone, 4- <i>o</i> -tolyl-	1	1	2	1	---	1	---	---	---	1	1
2642	20955	2-Butanone, 4- <i>p</i> -tolyl-	2	3	1	1	---	---	---	---	---	---	---
2643	21978	2-Butanone, 4-(2,4-xylyl)-	1	1	1	1	---	1	---	---	---	1	1
2644	24769	3-Buten-2-one, 4-cyclohexyl-	1	1	1	---	1	---	---	2	1	---	---
2645	23864	3-Buten-2-one, 4-(<i>o</i> -hydroxyphenyl)-	3	1	2	1	---	---	---	---	---	---	---
2646	21252	3-Buten-2-one, 4-(<i>p</i> -isopropylphenyl)-	1	1	---	1	---	1	---	---	---	---	---
2647	21980	3-Buten-2-one, 4-(1-methyl-3-cyclohexen-1-yl)-	1	1	1	1	---	1	---	---	---	1	1
2648	24756	3-Buten-2-one, 4-(2-norcamphanyl)-	1	1	1	---	1	---	---	2	1	---	---
2649	944	3-Buten-2-one, 4-phenyl-	1	2	1	1	---	---	---	---	---	---	---
2650	21938	3-Buten-2-one, 4- <i>o</i> -tolyl-	1	1	1	1	---	1	---	---	---	1	1
2651	24774	3-Buten-2-one, 4-(2,4,6-trimethyl-3-cyclohexen-1-yl)-	1	1	1	---	1	---	---	2	1	---	---
2652	21977	3-Buten-2-one, 4-(2,4-xylyl)-	1	1	1	1	---	1	---	---	---	1	1
2653	2062	Butyrophenone	1	1	1	---	---	---	---	---	---	---	---
2654	1698	Camphor	1	---	---	1	---	---	---	---	---	---	---
2655	25044	Camphorquinone	1	1	1	1	---	---	---	---	---	---	---
2656	10020	Carvone	1	1	1	1	---	---	---	---	---	---	---
2657	946	Chalcone	1	1	2	---	---	---	---	---	---	---	---
2658	25042	1,2-Cyclohexanedione	---	---	---	1	---	---	---	---	---	---	---
2659	19939	1,3-Cyclohexanedione, 5,5-dimethyl-	1	1	1	1	---	1	---	---	---	---	---
2660	41	Cyclohexanone	---	2	---	1	---	1	---	---	---	---	---
2661	5634	Cyclohexanone, 3-methyl-	1	1	1	1	---	---	---	---	---	---	---
2662	25131	4-Cyclohexene-1,3-dione, 2-acetyl-4,6,6-trimethyl-	1	1	1	1	---	---	---	---	---	---	---
2663	21772	2-Cyclohexen-1-one, 3,5-dimethyl-	1	---	1	1	---	1	---	---	---	---	---
2664	13216	Cyclohexyl methyl ketone	1	1	1	2	---	---	---	---	---	---	---
2665	11009	Cyclohexyl phenyl ketone	1	---	1	1	---	---	---	2	1	---	---
2666	30544	2-Cyclopenten-1-one, 2-(3-butenyl)-3-methyl-	1	1	1	1	1	---	---	---	---	---	---
2667	16169	2-Cyclopenten-1-one, 2-butyl-3-methyl-	1	---	---	1	---	---	---	---	---	---	---

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
KETONES—Continued													
2668	24269	2-Cyclopenten-1-one, 2-hexyl-----	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
2669	736	Fenchone-----	1	-----	1	1	-----	-----	-----	-----	-----	-----	-----
2670	858	9-Fluorenone-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
2671	25071	3,5-Heptadien-2-one, 6-methyl-----	1	-----	1	1	1	-----	-----	2	1	-----	-----
2672	1230	2-Heptanone-----	2	-----	-----	1	-----	1	-----	1	2	-----	-----
2673	11270	4-Heptanone, 2,6-dimethyl-----	1	1	2	1	-----	1	2	-----	-----	-----	-----
2674	5639	5-Hepten-2-one, 6-methyl-----	1	-----	1	1	1	-----	-----	1	1	1	1
2675	25072	5-Hepten-2-one, 6-phenyl-----	1	-----	1	1	1	-----	-----	2	1	-----	-----
2676	2399	2,5-Hexanedione-----	1	1	1	1	-----	1	-----	-----	-----	-----	-----
2677	24765	2-Hexanone, 1-phenyl-----	2	1	1	-----	1	-----	-----	2	1	-----	-----
2678	21936	3-Hexanone, 1-phenyl-----	1	1	1	1	-----	1	-----	1	2	1	1
2679	21919	1-Hexen-3-one, 1-phenyl-----	2	1	1	1	-----	1	-----	-----	-----	1	1
2680	21995	5-Hexen-2-one-----	1	1	1	1	-----	1	-----	-----	-----	1	1
2681	30525	5-Hexen-2-one, 3-allyl-----	2	1	1	1	1	-----	-----	-----	-----	-----	-----
2682	25041	1,2-Indandione-----	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
2683	16056	alpha-Ionone-----	1	2	1	-----	1	-----	-----	-----	1	-----	-----
2684	25073	beta-Ionone-----	1	1	1	1	1	-----	-----	2	1	-----	-----
2685	24259	beta-Ionone, methyl-----	2	2	1	-----	-----	-----	-----	-----	-----	-----	-----
2686	46	Isophorone-----	-----	-----	1	1	-----	-----	-----	2	1	-----	-----
2687	24278	Levulose-----	1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
2688	11106	Menthone-----	1	1	1	1	-----	-----	-----	1	2	-----	-----
2689	7702	Mesityl oxide-----	2	1	-----	1	-----	1	-----	-----	-----	-----	-----
2690	24292	1,4-Naphthoquinone-----	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
2691	12099	1,4-Naphthoquinone, 2-hydroxy-----	1	1	2	1	-----	-----	-----	2	-----	-----	-----
2692	24780	2-Nonanone, 3-hydroxy-3-methyl-----	1	-----	1	-----	-----	-----	-----	2	1	-----	-----
2693	24783	2-Nonanone, 3-methyl-----	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----
2694	25086	5-Nonen-2-one, 9-cyclohexylidene-6-methyl-----	1	-----	1	1	1	-----	-----	-----	1	-----	-----
2695	5617	2-Octanone-----	1	1	2	1	-----	-----	-----	-----	-----	-----	-----
2696	12213	4-Octanone, 6-hydroxy-2,7-dimethyl-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
2697	24714	6-Octen-2-one, 3,7-dimethyl-----	-----	-----	3	1	1	-----	-----	1	1	-----	-----
2698	30769	1,5-Pentanedione, 1,3,5-triphenyl-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
2699	2266	2,4-Pentanedione-----	1	2	-----	1	-----	-----	-----	-----	-----	-----	-----
2700	25137	2-Pentanone, 3-hydroxy-3-methyl-----	1	1	2	1	1	-----	-----	1	1	-----	-----
2701	45	2-Pentanone, 4-hydroxy-4-methyl-----	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
2702	1229	2-Pentanone, 4-methyl-----	1	-----	-----	-----	-----	-----	1	-----	-----	-----	-----
2703	11065	2-Pentanone, 4-methyl-1-phenyl-----	2	2	2	1	-----	-----	-----	-----	-----	-----	-----
2704	24796	2-Pentanone, 4-methyl-4-phenyl-----	2	1	2	-----	1	-----	-----	-----	1	-----	-----
2705	24761	2-Pentanone, 1-phenyl-----	2	2	1	-----	1	-----	-----	2	1	-----	-----
2706	24337	3-Pentanone-----	1	2	1	-----	-----	-----	-----	-----	-----	-----	-----
2707	21937	3-Pentanone, 4-methyl-1-phenyl-----	2	1	1	1	-----	-----	-----	1	1	1	1
2708	21915	3-Pentanone, 1-phenyl-----	1	2	1	1	-----	1	-----	-----	-----	1	1
2709	21917	1-Penten-3-one, 4-methyl-1-phenyl-----	2	2	2	1	-----	1	-----	-----	-----	1	1
2710	21909	1-Penten-3-one, 1-phenyl-----	1	2	1	1	-----	1	-----	-----	-----	1	1
2711	24338	4-Penten-2-one, 4-methyl-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
2712	47	Phorone-----	1	1	1	1	-----	1	-----	-----	-----	-----	-----
2713	16053	Piperitone-----	2	1	1	1	-----	-----	-----	-----	-----	1	1
2714	21374	2-Propanone, 1-(1-cyclohexen-1-yl)-	1	1	1	-----	-----	1	-----	-----	-----	1	1
2715	24771	2-Propanone, 1-(3-cyclohexen-1-yl)-	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----
2716	24773	2-Propanone, 1-cyclohexyl-----	1	1	1	-----	1	-----	-----	2	1	-----	-----
2717	24477	2-Propanone, 1,3-dihydroxy-----	-----	1	-----	1	-----	-----	-----	-----	-----	-----	-----
2718	2938	2-Propanone, 1-phenyl-----	2	1	1	1	-----	-----	-----	-----	-----	-----	-----
2719	951	Propiophenone-----	1	1	1	-----	-----	-----	-----	-----	-----	-----	-----
2720	4217	Propiophenone, 4'-methyl-----	1	1	2	1	-----	1	-----	-----	-----	-----	-----
2721	24373	Sorbose-----	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
2722	11501	Thujone-----	1	-----	1	1	-----	-----	-----	-----	-----	-----	-----
2723	4987	5,9-Undecadien-2-one, 6,10-dimethyl-----	1	-----	1	1	1	-----	-----	2	1	1	1
2724	3081	2-Undecanone-----	2	1	1	1	-----	-----	-----	-----	-----	-----	-----
2725	4249	6-Undecanone-----	1	1	3	1	-----	-----	-----	-----	-----	-----	-----
2726	22131	3,5,9-Undecatrien-2-one, 6,10-dimethyl-----	1	-----	1	1	1	1	-----	-----	1	-----	-----
GROUP 7.—ALCOHOLS AND PHENOLS													
2727	14312	Allyl alcohol-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
2728	11683	p-Anol, dimer-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ALCOHOLS AND PHENOLS—Continued													
2729	25339	Arachidonyl alcohol	2	2	2	2	1					1	
2730	21615	Benzhydrol, <i>alpha-tert</i> -butyl-4,4'-dimethyl-	2		1	1		1				1	1
2731	1680	Benzyl alcohol	1	1	1	1	1	1	1				
2732	21419	Benzyl alcohol, <i>p-tert</i> -butyl-	1			1	1	1	1	2	1	1	1
2733	5532	Benzyl alcohol, <i>alpha, alpha</i> -dimethyl-			1								
2734	21992	Benzyl alcohol, <i>alpha</i> , 2-dimethyl-	1	1	3	1	1	1				1	1
2735	21159	Benzyl alcohol, 2,4-dimethyl-	1			1							
2736	21300	Benzyl alcohol, 3,4-dimethyl-	1		1	1	1	1					
2737	19819	Benzyl alcohol, <i>alpha</i> -ethyl-	1	1	1		1	1					
2738	21535	Benzyl alcohol, <i>p</i> -ethyl-	1		1	1						1	1
2739	24781	Benzyl alcohol, <i>alpha</i> -ethyl- <i>alpha</i> -methyl-	2		1		1						
2740	24430	Benzyl alcohol, <i>alpha</i> -ethynyl-	1	1	1	1	1						
2741	2936	Benzyl alcohol, <i>alpha</i> -methyl-	1	1	1		1						
2742	21536	Benzyl alcohol, <i>o</i> -methyl-	1		1	1	1	1				1	1
2743	20570	Benzyl alcohol, <i>o</i> -methyl- <i>alpha</i> -propyl-	1	1	1		1	1					
2744	20569	Benzyl alcohol, <i>p</i> -methyl- <i>alpha</i> -propyl-	3	1	1	1	1	1		1	1		
2745	4237	Benzyl alcohol, <i>alpha</i> -propyl-	1			1	1						
2746	116	<i>d</i> -Borneol	1			1							
2747	11077	1,3-Butanediol	1	1	1	1	1						
2748	31774	1,3-Butanediol, 2,2-dimethyl-	1	1	1	1	1						
2749	7553	1,4-Butanediol	1	1	1	1	1						
2750	959	2,3-Butanediol, <i>meso</i> -					1						
2751	405	1-Butanol	1	1	1			1					
2752	24190	1-Butanol, 2-methyl-	2	1	1	1							
2753	24189	2-Butanol	1					1	1				
2754	24793	2-Butanol, 4-cyclohexyl-	2	1	1		1			2	1		
2755	20905	2-Butanol, 4-(<i>o</i> -hydroxyphenyl)-	2	1	1			1					
2756	31843	2-Butanol, 4-(<i>p</i> -hydroxyphenyl)-	1	2	1	1							
2757	21271	2-Butanol, 4-(<i>p</i> -isopropylphenyl)-	1		2	2		1					
2758	24191	2-Butanol, 2-methyl-	1										
2759	24192	2-Butanol, 2-methyl-4-phenyl-	2		1								
2760	24792	2-Butanol, 3-methyl-4-phenyl-	2		1								
2761	7552	3-Buten-1,2-diol	1	1	1	1	1						
2762	30545	3-Buten-1-ol	1	2	1	1	1						
2763	24770	3-Buten-2-ol, 4-(3-cyclohexen-1-yl)-	1		1								
2764	23122	3-Buten-2-ol, 2-methyl-	1		1	1	1				1		
2765	25084	3-Buten-2-ol, 4-(2,6,6-trimethyl-1-cyclohexen-1-yl)-	1		1	1	1			2	1		
2766	1288	<i>tert</i> -Butyl alcohol	1	1	1			1	1				
2767	23121	3-Butyn-2-ol, 2-methyl-	1		1	1	1				2		
2768	24433	3-Butyn-2-ol, 2-phenyl-			1	1	1			1	1		
2769	1514	Carvacrol	1	1	2	1							
2770	3995	Catechol	1	1	1								
2771	2178	Cedrol	1										
2772	3112	Cholesterol	1										
2773	949	Cinnamyl alcohol	1	1	1	2			1	2	1		
2774	9552	<i>l</i> -Citronellol (Rhodinol)	2		3	1			2	1	1	1	
2775	17283	<i>m</i> -Cresol, <i>x-tert</i> -butyl-					1						
2776	17281	<i>m</i> -Cresol, <i>x,x</i> -di- <i>tert</i> -butyl-					1						
2777	15481	<i>m</i> -Cresol, 4,6-di- <i>tert</i> -butyl-					1						
2778	24210	<i>m</i> -Cresol, 5-ethyl-	2	2									
2779	448	<i>o</i> -Cresol, 4- <i>tert</i> -pentyl-					1						
2780	150	<i>p</i> -Cresol	1	1	1								
2781	17063	<i>p</i> -Cresol, <i>x,x</i> -di- <i>tert</i> -butyl-					1						
2782	18027	<i>p</i> -Cresol, 2,2'-methylenebis[6- <i>tert</i> -butyl-	2		1	1	1						
2783	1172	Cyclohexanemethanol	1		1	1							
2784	24789	Cyclohexanemethanol, 2,4,6-trimethyl-	2		1								
2785	40	Cyclohexanol	1	1	1								
2786	24480	Cyclohexanol, 4- <i>tert</i> -butyl-1-ethynyl-	1		2	1							
2787	24895	Cyclohexanol, 1-ethyl-	1		1	1				1	1		
2788	7064	Cyclohexanol, 1-ethynyl-			1	1	1			1	1		

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ALCOHOLS AND PHENOLS—Continued													
2789	7113	Cyclohexanol, 1,1'-ethynylenedi-			1	1	1			2	1		
2790	25180	Cyclohexanol, 4,4'-isopropylidenedi-	1	2	1	1				2		1	
2791	13205	Cyclohexanol, 1-phenyl-	1	1	2	1							
2792	1646	Cyclohexanol, 3,3,5-trimethyl-	1		1								
2793	25140	Cyclohexanol, 1-vinyl-	1	1	1	1	1			1	1		
2794	24787	3-Cyclohexene-1-methanol	1		1		1			2	1		
2795	21743	3-Cyclohexene-1-methanol, 1-methyl-	1		1			1					
2796	21913	3-Cyclohexene-1-methanol, 6-methyl-	1		3	1		1				1	
2797	30085	3-Cyclohexene-1-methanol, <i>alpha, alpha</i> , 6-trimethyl-	1		3	1	1	1			1	1	
2798	24788	3-Cyclohexene-1-methanol, 2,4,6-trimethyl-	2		1		1			2	1		
2799	25153	2-Cyclohexen-1-ol, 1,1'-ethynylenebis-[3,5,5-trimethyl-	1	1	1	1		1		1			
2800	25264	Cyclopentanol	1	1	1	1						1	
2801	25148	Cyclopentanol, 1,1'-ethynylenedi-	1	1	1	1	1	1		2	1		
2802	24049	2-Cyclopenten-1-ol	1		1								
2803	20440	<i>p</i> -Cymen-7-ol	1	1	1	1	1	1	1	1	1		
2804	13226	1,9-Decadiene-4,7-diol, 4-allyl-7-methyl-	1	1	1	1	1						
2805	12135	4,6-Decanediol, 5-ethyl-	1			1	1						
2806	24974	4-Decanol, 4,7-dimethyl-	3	1	2	1	1			2	1		
2807	24975	4-Decanol, 2,4,7,9-tetramethyl-	1	1	1	1				1	1		
2808	2173	Decyl alcohol	1	2	1	1							
2809	7159	5-Decyn-4,7-diol, 2,4,7,9-tetramethyl-	1	1	2	2	1						
2810	25087	6,10-Dodecadien-1-yn-3-ol, 3,7,11-trimethyl-	1		1	1	1			2			
2811	10519	1,6,10-Dodecatrien-3-ol, 3,7,11-trimethyl-	1		1	2	1			1	1	1	
2812	309	Dodecyl alcohol	1	1	1	1							
2813	25193	6-Dodecyn-5,8-diol, 5,8-diethyl-	1	1	1	1	1						
2814	210	Elemol	2	1									
2815	24222	Ethenol, 2-phenyl-					1						
2816	1706	Ethyl alcohol	1					1		2			
2817	3050	Ethylene glycol	1	1	1								
2818	733	Fenchyl alcohol	1		1	1							
2819	206	Geraniol	2	1	3	1		1	2	1	1		
2820	24246	Geraniol, <i>trans</i> -	1	1	1								
2821	91	Glycerol	1	1	1			1					
2822	20002	1,5,9-Hendecatrien-4-ol, 6,10-dimethyl-	3		1			1					
2823	24896	2,6-Heptadien-4-ol, 2,4-dimethyl-	1		1	1							
2824	25069	2-Heptanol, 6-methyl-	1		1	1	1			2	1		
2825	21994	3-Heptanol	2	1	2	1		1					
2826	24976	3-Heptanol, 3-ethyl-	1	1	1	1	1			2	1		
2827	25147	4-Heptanol, 4-ethyl-2,6-dimethyl-	2	2	3	1	1			2	1		
2828	25145	1-Hepten-3-ol, 3-ethyl-5-methyl-	1	1	3	1	1			1	1		
2829	24897	1-Hepten-3-ol, 2,3,6-trimethyl-	1		3	1							
2830	25074	5-Hepten-2-ol, 6-methyl-	1		1	1	1			2	1		
2831	14193	1,2-Hexadecanediol	1	1	1	1	2						
2832	755	1-Hexadecanol	1	1	1	1							
2833	25090	1-Hexadecen-3-ol, 3,7,11,15-tetramethyl-	1		1	1				1	1		
2834	31772	2-Hexadecen-1-ol, <i>trans</i> -	1	1	1	1	1						
2835	30249	2,4-Hexadien-1-ol	1	1	1	1	1					1	
2836	375	1,3-Hexanediol, 2-ethyl-	1	1	1	1	1	1					
2837	3307	1,6-Hexanediol					1						
2838	11557	2,5-Hexanediol					1						
2839	20685	2,5-Hexanediol, 2,5-dimethyl-	1	1	1		1	1					
2840	14311	1,2,6-Hexanetriol	1		1	1	1						
2841	940	1-Hexanol, 2-ethyl-	1	1	1	1		1					
2842	23407	2-Hexanol, 2,5-dimethyl-	2	1	2	1							
2843	24973	3-Hexanol, 3,5-dimethyl-	1	1	1	1	1			2	1		
2844	25142	1-Hexen-3-ol, 3,5-dimethyl-	1	1	1	1	1			2	1		
2845	25091	3-Hexen-1-ol	1		1	1	1			1	1		
2846	8157	Hexyl alcohol	1	1	1			1	1				

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ALCOHOLS AND PHENOLS—Continued													
2847	14500	3-Hexyn-2,5-diol, 2,5-dimethyl-	1	1	1	1	1				1		
2848	23415	3-Hexyn-2,5-diol, 2,5-diphenyl-			1	1	1				1		
2849	25134	1-Hexyn-3-ol	1	1	1	1	1			1	1		
2850	14113	Isoborneol	2		1								
2851	1777	Isobutyl alcohol	1	1	1			1					
2852	15288	Isopentyl alcohol	2		1			1					
2853	1636	Isopropyl alcohol	2	2				1					
2854	942	Linalool	1		3	1		1		2			
2855	24709	p-Menthane-1,2-diol			1	1	1		1	1	1		
2856	24710	p-Menthane-2,3-diol			1	1	1			2	1		
2857	24711	p-Menthane-3,4-diol			1	1	1			1	1		
2858	8161	Menthol	1		2	1							
2859	409	Methanol	1					1				1	1
2860	106	1-Naphthol	1	1	1				2	1			
2861	81	2-Naphthol	1	1	1								
2862	5563	2-Naphthol, 1,2,3,4-tetrahydro-	1			1							
2863	24898	1,7-Nonadien-4-ol, 4,8-dimethyl-	1		3	1							
2864	5949	2,4-Nonanediol	1	1	1	1	1						
2865	14508	2-Nonanol, 5-ethyl-	2		3	1		1					
2866	24778	3-Nonanol, 3-methyl-	1		1		1			1			
2867	24900	1-Nonen-3-ol, 3-methyl-	1		1	1				1	1		
2868	24899	7-Nonen-4-ol, 4,8-dimethyl-	2		3	1		1					
2869	3962	Nonyl alcohol	1	1	1	1							
2870	24777	1-Nonyn-3-ol, 3-methyl-	1		1		1			1	1		
2871	31144	9,12-Octadecadien-1-ol	1	1	1	1	1				1		
2872	31773	1,12-Octadecanediol	1	1	1	1	1						
2873	31145	9,12,15-Octadecatrien-1-ol	2	2	1	1	1						
2874	7620	9-Octadecen-1-ol	1	1	1	1	1						
2875	25076	3,6-Octadien-1-ol, 3,7-dimethyl- and 6-Octen-1-ol, 7-methyl-3-methylene-	1		1	1	1	1		2	1	1	
2876	21881	4,6-Octadien-1-ol	1		1								
2877	5916	2,4-Octanediol, 3-ethyl-	2	1	1	1	1						
2878	24712	2,7-Octanediol, 2,6-dimethyl-			1	1	1			1	1		
2879	25146	2,7-Octanediol, 2,7-dimethyl-	1	1	1	1	1	1		1	1		
2880	12196	3,5-Octanediol, 2,7-dimethyl-					1						
2881	30536	3,6-Octanediol, 3,6-diethyl-	2	1	1	1							
2882	19958	1-Octanol, 2-butyl-	1	1	1	1		1					
2883	11222	1-Octanol, 3,7-dimethyl-	1	1	1								
2884	5598	2-Octanol	2	1	3	1							
2885	24902	2-Octanol, 2,6-dimethyl-	1		3	1							
2886	24901	2-Octanol, 2-methyl-	1		1	1							
2887	23412	3-Octanol, 3,6-dimethyl-	1		3	1							
2888	24903	3-Octanol, 3,7-dimethyl-	1		3	1	1			2	1	1	
2889	24904	3-Octanol, 3-methyl-	1		2	1							
2890	31181	2,4,6-Octatrien-1-ol					1						
2891	24905	4-Octen-3-ol, 2,6-dimethyl-	1		2	1							
2892	24782	5-Octen-3-ol, 3,6-dimethyl-	1		2								
2893	25080	6-Octen-1-ol, 3,7-dimethyl-	1		1	1	1		1	1			
	25076	6-Octen-1-ol, 7-methyl-3-methylene- and 3,6-octadien-1-ol, 3,7-dimethyl- (See item 2875.)											
2894	24713	6-Octen-2-ol, 3,7-dimethyl-			1	1	1			1	1		
2895	24906	6-Octen-3-ol, 3,7-dimethyl-	1		3	1				1	1		
2896	25065	6-Octen-1-yn-3-ol, 3,7-dimethyl-	1		2	1	1			2	1		
2897	2169	Octyl alcohol	1	1	1	1		1					
2898	30543	4-Octyne-3,6-diol, 3,6-diethyl-	1	1	1	1							
2899	13180	4-Octyne-3,6-diol, 3,6-diisopropyl-2,7-dimethyl-	1	1	1	2	1	1					
2900	7312	4-Octyne-3,6-diol, 3,6-dimethyl-	1	1	1	1	1						
2901	25150	4-Octyne-3,6-diol, 2,3,6,7-tetramethyl-	1	1	1	1	1	1		1	1		
2902	24618	1-Octyn-3-ol, 3-ethyl-	1			1							
2903	23954	Orcinol	1	1		1							
2904	3317	1,2-Pentanediol	1	1	1	2	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
ALCOHOLS AND PHENOLS—Continued													
2905	2706	1,3-Pentanediol, 2,2,4-trimethyl-					1		1				
2906	3318	1,5-Pentanediol	1		1	1	1	1		2	1		
2907	11547	2,4-Pentanediol					1						
2908	20050	1,3,5-Pentanetriol	1			1	1						
2909	1293	1-Pentanol	2	1	1	1		1	1				
2910	21997	1-Pentanol, 2-methyl-	1	1	1	1		1					
2911	11231	1-Pentanol, 5-phenyl-	1		1	1						1	1
2912	24907	2-Pentanol, 2,4,4-trimethyl-	1		1	1				1	1		
2913	24335	3-Pentanol	1										
2914	30048	3-Pentanol, 3-ethyl-	1	1	1	1							
2915	24336	3-Pentanol, 3-methyl-5-phenyl-	1	1	1								
2916	21916	3-Pentanol, 1-phenyl-	2		1	1		1				1	1
2917	25136	1-Penten-3-ol, 3 methyl-	1	1	2	1	1	1		1	1		
2918	21608	3-Penten-1-ol	1		1	1							
2919	25135	1-Pentyn-3-ol, 4-methyl-	1	1	1	1	1			2	1		
2920	744	Phenethyl alcohol	1	1	1			1					
2921	2949	Phenethyl alcohol, <i>alpha, alpha</i> -dimethyl-	1	1	1	1	1			1	1		
2922	11510	Phenethyl alcohol, <i>alpha</i> -ethyl-	1	2	1	1							
2923	1774	Phenethyl alcohol, <i>p</i> -isopropyl-				1							
2924	21185	Phenethyl alcohol, <i>alpha-alpha</i> , 2,4-tetramethyl-	1			1		1					
2925	1814	Phenol	1	2									
2926	17107	Phenol, <i>o</i> -allyl-	1			1							
2927	126	Phenol, <i>p-tert</i> -butyl-	1	1	1								
2928	31291	Phenol, 2- <i>tert</i> -butyl-6-isopropyl-	1	1	3	1						1	1
2929	25190	Phenol, 4- <i>tert</i> -butyl-2-(<i>alpha</i> -methylbenzyl)-	1	1	1	1	1			1	2		
2930	460	Phenol, <i>p</i> -(1,1-dimethylpropyl)-	1		1	1							
2931	18550	Phenol, <i>o</i> -isopropyl-	1	1	1	1							
2932	21991	Phenol, <i>o</i> -(2-methylallyl)-	1	1	1	1		1				1	1
2933	8848	Phloroglucinol	1	1									
2934	24344	Phytol	2	1									
2935	1898	1,2-Propanediol	1	1	1	1	1						
2936	1851	1,3-Propanediol	1	1									
2937	3775	1,3-Propanediol, 2-butyl-2-ethyl-	1	1	1	1	1						
2938	24844	1,3-Propanediol, 2-methyl-2-propyl	1	1	1	1	1	1					
2939	20879	1-Propanol, 2,2-dimethyl-					1	1					
2940	2067	1-Propanol, 3-phenyl-	1	1	1	1							
2941	2677	2-Propen-1-ol, 2-methyl-	1		1	1							
2942	16115	Propyl alcohol	1	2	1			1					
2943	24359	2-Propyn-1-ol	1	1									
2944	24363	Pyrocatechol, 4- <i>tert</i> -butyl-	2	1									
2945	709	Pyrogallol	1	1	2								
2946	3996	Resorcinol	1	1	1								
2947	3990	Saligenin	1	1	1	2							
2948	3927	Santalol	2	1									
2949	766	Sorbitol	1	1	1								
2950	519	Terpineol	2	1	1	1							
2951	1762	Terpin hydrate	1		1	1							
2952	25152	7-Tetradecyne-6,9-diol, 6,9-diethyl-	1	1	1	1	1	1		1	1		
2953	708	Thymol	1	1	1	1							
2954	14932	<i>p</i> -Toluhydroquinone	1	1	1								
2955	23972	6-Tridecanol, 3,9-diethyl-	1			1							
2956	6259	10-Undecen-1-ol			1								
2957	330	Undecyl alcohol	1	1	1	1							
2958	21372	<i>m</i> -Xylene- <i>alpha, alpha'</i> -diol, 4,6-dimethyl-	1		1	1		1				1	1
2959	25222	<i>p</i> -Xylene- <i>alpha, alpha'</i> -diol	1	1	2							1	
2960	1552	3,4-Xylenol	3		1	1							
2961	1553	3,5-Xylenol	3		1	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
GROUP 8.—NITROGEN-CONTAINING COMPOUNDS													
2962	2060	Acetamide	1	2									
2963	2182	Acetamide, <i>N,N</i> -diethyl-	1	1									
2964	2828	Acetamide, <i>N,N</i> -diisopropyl-			1	1							
2965	15276	Acetamide, <i>N,N</i> -dimethyl-	1	2		1							
2966	21879	Acetamide, 2-[2-(2-ethoxyethoxy)-ethoxy]- <i>N</i> -isobutyl-	2		1								
2967	21864	Acetamide, 2-(2-ethoxyethoxy)- <i>N</i> -isobutyl-	1		1								
2968	2836	Acetamide, <i>N</i> -(2-hydroxyethyl)-	1	2				1					
2969	2827	Acetamide, <i>N</i> -isopropyl-			1	1							
2970	11532	Acetamide, <i>N</i> -(2-methoxyethyl)-	1	1									
2971	18019	Acetamide, <i>N</i> -methyl-	1			1							
2972	16909	Acetamide, <i>N</i> -(1-naphthyl)-	1	2									
2973	31624	Acetamide, 2-phenyl- <i>N</i> -(2-propyl-4,5-methylenedioxyphenyl)-	1	1	1								
2974	2825	Acetamide, <i>N</i> -propyl-			1	1							
2975	24144	Acetamide, salicylidene-	1	1									
2976	1045	Acetanilide	1	1									
2977	2484	Acetanilide, <i>N</i> -butyl-			1	1							
2978	31362	Acetanilide, 3',4'-dichloro-					1						
2979	5523	Acetanilide, <i>N</i> -ethyl-	2	1									
2980	18873	Acetanilide, 4'-formyl-	1	1									
2981	5528	Acetanilide, <i>N</i> -isopentyl-	1			1							
2982	3341	Acetanilide, <i>N</i> -isopropyl-	1	1	1	1							
2983	30798	Acetanilide, 2,2,2,4'-tetrachloro-	1	2	1	2							
2984	30800	Acetanilide, 2,2,2-trichloro-4'-sulfamoyl-	1	1	1	1							
2985	799	<i>o</i> -Acetanilidide	1	1									
2986	21296	Acetic acid, (2-benzothiazolylthio)-, ethyl ester	1		1	1		1					
2987	7371	Acetic acid, cyano-, 4-methylcyclohexyl ester	1	1	1	1							
2988	31297	Acetic acid, <i>o</i> -nitrophenyl-	1	1	1	1						1	1
2989	327	Acetonitrile	1	2									
2990	30370	Acetonitrile, [5-(chloromethyl)-2,4-xylyl]-	1		1	1	1						
2991	23882	Acetonitrile, 3,4-dimethoxyphenyl-	3	1	1								
2992	787	<i>o</i> -Acetophenetidide	1	1									
2993	2440	Acetophenone, 6'- <i>tert</i> -butyl-2',4'-dimethyl-3',5'-dinitro-	1	1	1								
2994	21210	2',4'-Acetoxyldide	1	1									
2995	15279	Acridine	1		1	2							
2996	4119	Acrylamide	1										
2997	25002	Acrylamide, <i>N-tert</i> -butyl-	1	1	1	1							
2998	30121	Acrylamide, <i>N,N</i> -diethyl-3-(3,4-methylenedioxyphenyl)-2-phenyl-	1		1	1						1	1
2999	54	Acrylonitrile	1	2									
3000	6485	Adipamic acid, <i>N,N</i> -dipropyl-, methyl ester	1	1	2	1							
3001	8908	DL-Alanine	1			1							
3002	25186	DL-Alanine, ethyl ester	1	1	1	1							
3003	18436	DL-Alanine, 3-phenyl-	1	1									
3004	23214	Allylamine	1	1			1						
3005	25100	Ammonium compound, benzyl dodecyl dimethyl cyclopentanecarboxylate salt				1	1						
3006	25102	Ammonium compound, (<i>p</i> -chlorobenzyl)-dimethyl[2-{2-[<i>p</i> -(1,1,3,3-tetramethylbutyl)phenoxy]ethoxy}ethyl)-chloride	1	1	1	2	1						
3007	25171	Ammonium compound, dodecyltrimethyl chloride (33 percent)					1						
3008	25172	Ammonium compound, dodecyltrimethyl chloride (50 percent)	1	1			1			2			

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3009	25175	Ammonium compound, dodecyl (and tetradecyl)trimethyl.....chloride					1						
3010	25173	Ammonium compound, hexadecyltrimethyl.....chloride					1			1			
3011	25179	Ammonium compound, hexadecyl (and octadecyl)trimethyl.....chloride	2	1	1		1			1			
3012	30568	Ammonium compound, (4-hydroxy-5-isopropyl-2-methylphenyl)trimethyl.....chloride, 1-piperidinecarboxylate					1						
3013	25176	Ammonium compound, octadecadienyl (and octadecenyl)trimethyl.....chloride					1						
3014	25177	Ammonium compound, octadecenyl (and hexadecyl)trimethyl.....chloride					1						
3015	25174	Ammonium compound, octadecyltrimethyl.....chloride					1			1			
3016	25112	Ammonium compound, tetrabutyl.....iodide					1						
3017	23955	Ammonium compound, tetraethyl.....bromide	1			1	1						
3018	24479	Ammonium compound, tetraethyl.....hydroxide	1	1									
3019	24396	Ammonium compound, tetrakis(2-hydroxyethyl).....hydroxide	1	2									
3020	24161	Ammonium compound, tetrapropyl.....hydroxide					1						
3021	30430	Ammonium compound, trimethyl(o-methylbenzyl).....bromide	1	1	2	1							
3022	24162	Ammonium compound, trimethylphenyl.....hydroxide	1	1									
3023	8542	Ammonium thiocyanate.....	3	3	2	1							
3024	3053	Aniline.....	1	1									
3025	1538	Aniline, <i>N</i> -benzylidene.....	1			1							
3026	31838	Aniline, <i>N,N</i> -bis(2-chloroethyl).....	1	1	1				1				
3027	30813	Aniline, <i>N</i> -butyl-2,4-dinitro.....	2	2	2	1							
3028	30814	Aniline, <i>N</i> -sec-butyl-2,4-dinitro.....	2	1	2	1							
3029	16637	Aniline, 2,5-dimethoxy.....	2	1					1	2	2		
3030	17284	Aniline, <i>N,N</i> -dimethyl.....	1	1					1				
3031	30825	Aniline, 2,4-dinitro- <i>N</i> -pentyl.....	2	1	2	2							
3032	30811	Aniline, 2,4-dinitro- <i>N</i> -propyl.....	1	2	2	1							
3033	15346	Aniline, <i>N</i> -ethyl.....	1	1									
3034	30796	Aniline, <i>N</i> -methyl-2,4-dinitro.....	2	1	2	1							
3035	31623	Aniline, 4,5-methylenedioxy-2-propyl.....	1	1	1								
3036	31691	Aniline, <i>N</i> -(1-piperonyl)ethyl.....	1	1	1	2							
3037	21064	Aniline, 2,4,6-tribromo.....	1			1							
3038	17012	<i>p</i> -Anisamide, <i>N,N</i> -diethyl.....					1		1	1	1		
3039	8584	<i>o</i> -Anisidine.....	1										
3040	1933	<i>o</i> -Anisidine, 5-chloro.....	1			1							
3041	12119	<i>o</i> -Anisidine, 5-methyl.....	2										
3042	2392	<i>p</i> -Anisidine.....	1										
3043	2439	Anisole, 6- <i>tert</i> -butyl-3-methyl-2,4-dinitro.....	2	1	1								
3044	230	Anisole, <i>o</i> -nitro.....	2	1		1							
3045	189	Anisole, <i>p</i> -nitro.....	1	1									
3046	2408	Anthranilic acid.....	1										
3047	3444	Anthranilic acid, <i>sec</i> -butyl ester.....	1		1	1							
3048	2377	Anthranilic acid, ethyl ester.....	1		1								
3049	1022	Anthranilic acid, methyl ester.....	1			1			1				
3050	30858	Anthranilic acid, <i>N</i> -(<i>p</i> -chlorobenzoyl).....	1	1	1	1							
3051	30820	Anthranilic acid, <i>N</i> -(ethoxyoxalyl).....	1	2	1	1							
3052	3340	Anthranilic acid, <i>N</i> -methyl-, methyl ester.....	2	1	1	1							
3053	30011	Anthranilic acid, <i>N,N</i> -oxalyl-di.....								2	1		
3054	24165	Arginine.....	1	1									
3055	3280	Asparagine.....	2		2	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

TABLE 2.—Relative effectiveness of materials													
Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
NITROGEN-CONTAINING COMPOUNDS—Continued													
3056	18471	DL-Aspartic acid	1			1							
3057	21017	Barbituric acid, 5-piperonyl-	1			1		1					
3058	21018	Barbituric acid, 5-piperonyl-2-thio-	1			1		1					
3059	30776	Benzaldehyde, <i>o</i> -chloro-, semicarbazone.	1			1							
3060	5886	Benzaldehyde, <i>p</i> -diethylamino-	2	1									
3061	15337	Benzaldehyde, <i>p</i> -dimethylamino-	1	1									
3062	8906	Benzaldehyde, <i>m</i> -nitro-	1	1									
3063	2415	Benzaldehyde, <i>o</i> -nitro-	1	1		1							
3064	30801	Benzaldehyde, <i>p</i> -nitro-, thiosemicarbazone.	2	2	2	1							
3065	1031	Benzamide	1	2									
3066	25260	Benzamide, <i>N</i> -allyl- <i>o</i> -(methoxycarbonyl)-	2	1	1	1				1		1	
3067	20299	Benzamide, <i>o</i> -bromo- <i>N,N</i> -diethyl-					1						
3068	30335	Benzamide, <i>N</i> -butyl- <i>p</i> -isopropyl-					1						
3069	30331	Benzamide, <i>N</i> -sec-butyl- <i>p</i> -isopropyl-					1						
3070	14147	Benzamide, <i>o</i> -chloro- <i>N,N</i> -diethyl-			1								
3071	30182	Benzamide, <i>N,N</i> -dibutyl- <i>p</i> -isopropyl-	1	1	1	1	1					1	1
3072	1197	Benzamide, <i>N,N</i> -diethyl-	1										
3073	30259	Benzamide, <i>N,p</i> -diisopropyl-					1						
3074	2481	Benzamide, <i>N,N</i> -diphenyl-									1		
3075	20297	Benzamide, <i>o</i> -ethoxy- <i>N,N</i> -diethyl-	1		1	1		1					
3076	20298	Benzamide, <i>p</i> -ethoxy- <i>N,N</i> -diethyl-	1					1					
3077	30223	Benzamide, <i>N</i> -ethyl- <i>p</i> -isopropyl-	1		2		1						
3078	30180	Benzamide, <i>p</i> -isopropyl- <i>N,N</i> -dimethyl-	1		1	1	1					1	1
3079	30181	Benzamide, <i>p</i> -isopropyl- <i>N,N</i> -dipropyl-	1	1	1	1	1					1	1
3080	30219	Benzamide, <i>p</i> -isopropyl- <i>N</i> -methyl-					1				1		
3081	30438	Benzamide, <i>p</i> -isopropyl- <i>N</i> -pentyl-					1				1		
3082	30016	Benzamide, <i>N,N</i> - <i>p</i> -phenylenebis-					1				1		
3083	30210	Benzamide, <i>N,N</i> - <i>p</i> -triisopropyl-	1	1	1	1	1					1	1
3084	30012	Benzanilide, 4'-bromo-					1			2	1		
3085	19781	Benzanilide, <i>N</i> -butyl-4-ethoxy-			1			1					
3086	30843	Benzanilide, 4'-chloro-	1	1	1	1							
3087	9054	Benzene, 1-bromo-3-nitro-	1		1	1							
3088	3268	Benzene, 1,2-dichloro-4-nitro-	1			1							
3089	24179	Benzene, 1,4-dimethoxy-2-nitro-	2	2									
3090	4857	Benzene, 1-iodo-2-nitro-	1		1	1							
3091	15390	Benzene, 1-iodo-3-nitro-	1			1							
3092	31622	Benzene, 1,2-methylenedioxy-4-nitro-5-propyl-	2	2	1								
3093	1239	Benzene, nitro-	1	1	1	1			1				
3094	30850	Benzenesulfonamide, <i>N</i> -benzyl-	1	1	1	1							
3095	30816	Benzenesulfonamide, <i>p</i> -bromo- <i>N</i> -butyl-				1							
3096	17741	Benzenesulfonamide, <i>p</i> -chloro- <i>N,N</i> -dimethyl-			1								
3097	31621	Benzenesulfonanilide, 3,4-methylenedioxy-6-propyl-	1	2	1								
3098	31626	Benzenesulfonanilide, <i>N</i> -methyl-4',5'-methylenedioxy-2-propyl-	1	1	1	1							
3099	20048	Benzoic acid, <i>m</i> -amino-, isopropyl ester					1	1					
3100	2436	Benzoic acid, <i>p</i> -amino-	1	1									
3101	30015	Benzoic acid, <i>p</i> -benzamido-, ethyl ester								1	1		
3102	21063	Benzoic acid, <i>p</i> -hydrazino-	1			1		1					
3103	24184	Benzonitrile	1	1					1				
3104	24185	Benzonitrile, <i>p</i> -amino-	1	1									
3105	492	Benzonitrile, <i>p</i> -chloro-	1			1							
3106	30782	Benzophenone, 4,4'-dichloro-, oxime				1							
3107	30788	Benzophenone, semicarbazone	1	1	1	1							
3108	21165	Benzothiazole, 2-(allylthio)-	1			1		1					
3109	21166	Benzothiazole, 2-(benzylthio)-	1			1		1					
3110	30200	Benzothiazole, 2-(2-hydroxyethoxy)-					1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
NITROGEN-CONTAINING COMPOUNDS—Continued													
3111	21187	Benzothiazole, 2-(2-hydroxyethylthio)-, acetate	1			1		1				1	1
3112	985	Benzothiazole, 2-mercapto-	1			1							
3113	21167	Benzothiazole, 2-(propylthio)-	1			1		1					
3114	5743	Benzoxazole	1	1									
3115	19563	2-Benzoxazolinone	1										
3116	24933	Benzyl alcohol, <i>alpha</i> -(1-methyl-1-nitroethyl)-	1	1	2	1							
3117	24929	Benzyl alcohol, <i>alpha</i> -1-nitroethyl-	1	1	1	1							
3118	24926	Benzyl alcohol, <i>alpha</i> -nitromethyl-	1	1	1	1							
3119	15299	Benzylamine	2	1	1	1			1	2	1		
3120	20803	Benzylamine, <i>N</i> -butyl-	2	1	1	1	1	1	1	1	1		
3121	30208	Benzylamine, <i>N</i> , <i>o</i> -dimethyl-	1	1	1	1	1					1	1
3122	30172	Benzylamine, <i>o</i> -methoxy- <i>N</i> , <i>N</i> -dimethyl-	1		1	1	1						
3123	3116	Benzylamine, <i>alpha</i> -methyl-	1			1							
3124	487	Benzylamine, <i>N</i> -nitroso- <i>N</i> -phenyl-	1			1							
3125	1804	Benzylamine, <i>N</i> -phenyl-	1			1							
3126	30199	Benzylamine, <i>N</i> , <i>N</i> , <i>o</i> -trimethyl-	1	1	1	1	1					1	1
3127	24187	Betaine	1	2									
3128	18301	Betaine, hydrochloride	1			1							
3129	107	Butane, 1-nitro-					1						
3130	23962	2,3-Butanedione, monooxime	1			1							
3131	4493	1-Butanol, 2-nitro-	2	1	2	1		1					
3132	24925	2-Butanol, 3-methyl-1-nitro-	1	1	1	1							
3133	24924	2-Butanol, 1-nitro-	1	1	1	1							
3134	30774	2-Butanone, semicarbazone	2	1	1	1							
3135	30534	3-Butenenitrile, 2-methyl-	1	1	1	1	1						
3136	31810	3-Buten-2-one, 4-(<i>p</i> -dimethylamino-phenyl)-	2	2	2	2							
3137	24197	Butylamine	1										
3138	24036	<i>tert</i> -Butylamine				1							
3139	24575	Butylamine, <i>N</i> - <i>tert</i> -butyl-1-ethynyl-	1		1	1							
3140	24576	Butylamine, <i>N</i> , <i>N</i> ,1,1,3,3-hexamethyl-	1		1	1							
3141	24641	Butylamine, <i>N</i> -(1-isopropyl-2-propynyl)-1,1,3,3-tetramethyl-	1			1							
3142	15310	Butyl nitrite	2	1	2	1		1					
3143	24642	2-Butyne-1,4-diamine, <i>N</i> , <i>N'</i> -bis(1,1,3,3-tetramethylbutyl)-	1			1							
3144	24574	2-Butyne-1,4-diamine, <i>N</i> , <i>N</i> , <i>N'</i> , <i>N'</i> -tetramethyl-	1		1	1							
3145	24199	Butyramide	1	1									
3146	18488	Butyramide, <i>N</i> - <i>sec</i> -butyl-	1		1	1							
3147	31416	Butyramide, <i>N</i> -butyl-3-methyl-	1	1	1	1							
3148	31476	Butyramide, <i>N</i> - <i>sec</i> -butyl-3-methyl-	1	1	2	1							
3149	4122	Butyramide, 3-chloro-	1		1	1							
3150	31423	Butyramide, <i>N</i> -cyclohexyl-3-methyl-				1							
3151	18486	Butyramide, <i>N</i> , <i>N</i> -dibutyl-	1		1	1							
3152	31414	Butyramide, <i>N</i> , <i>N</i> -dibutyl-3-methyl-	2	2	1	1							
3153	6147	Butyramide, <i>N</i> , <i>N</i> -diethyl-	1		1	1							
3154	31410	Butyramide, <i>N</i> , <i>N</i> -diethyl-3-methyl-	1	1	2	1							
3155	31419	Butyramide, <i>N</i> , <i>N</i> -diisobutyl-3-methyl-	1	2	2	1							
3156	31412	Butyramide, <i>N</i> , <i>N</i> -diisopropyl-3-methyl-	2	1	2	1							
3157	18493	Butyramide, <i>N</i> , <i>N</i> -dipropyl-	1		1	1							
3158	18483	Butyramide, <i>N</i> -isobutyl-	1		1	1							
3159	31415	Butyramide, <i>N</i> -isobutyl-3-methyl-	1	1	1	1							
3160	31421	Butyramide, 3-methyl- <i>N</i> , <i>N</i> -dioctyl-					1						
3161	31411	Butyramide, 3-methyl- <i>N</i> , <i>N</i> -dipropyl-	1	1	2	1							
3162	18418	Butyramide, <i>N</i> -propyl-	1		1	1							
3163	3818	Butyramide, 2,2,4-trichloro-					1						
3164	30262	Butyramide, <i>N</i> , <i>N</i> ,2-triethyl-					1					1	1
3165	31475	Butyranilide, <i>N</i> -butyl-3-methyl-	1	2	2	2							
3166	12180	Butyranilide, <i>N</i> -isopentyl-	1		1	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS— Continued											
3167	18514	<i>m</i> -Butyrolutide	1		1	1							
3168	553	Carbamic acid, ethyl ester	1		1	1							
3169	24728	Carbamic acid, dimethyl-, 3-hydroxy-5,5-dimethyl-1-oxo-2-cyclohexen-1-yl ester					1						
3170	17588	Carbamic acid, dimethyl-, 3-methyl-1-phenyl-5-pyrazolyl ester	1	1									
3171	24977	Carbamic acid, dimethyl-, tetrahydrofurfuryl ester	1		1	1							
3172	31471	Carbanilic acid, <i>N</i> -butyldithio-, ammonium salt	2	3	2	1							
3173	31473	Carbanilic acid, <i>N</i> -butyldithio-, methyl ester	1	1	1								
3174	31496	Carbanilic acid, <i>m</i> -chlorodithio-, ammonium salt	2	2	2	1							
3175	31495	Carbanilic acid, <i>o</i> -chlorodithio-, ammonium salt	1	2	1	2							
3176	31497	Carbanilic acid, <i>p</i> -chlorodithio-, ammonium salt	3	2	2	1							
3177	31547	Carbanilic acid, <i>p</i> -chlorodithio-, methyl ester	1	1	1	1							
3178	31498	Carbanilic acid, 2,5-dichlorodithio-, ammonium salt	1	3	2	2							
3179	31474	Carbanilic acid, <i>N</i> -ethylthio-, ammonium salt	2	3	1	2							
3180	31494	Carbanilic acid, <i>o</i> -methoxydithio-, ammonium salt	3	3	3	1							
3181	31493	Carbanilic acid, <i>m</i> -methylthio-, ammonium salt	3	2	2	1							
3182	31492	Carbanilic acid, <i>o</i> -methylthio-, ammonium salt	2	2	2	1							
3183	31544	Carbanilic acid, <i>o</i> -methylthio-, methyl ester	1	1	1	1							
3184	31505	Carbanilic acid, <i>p</i> -methylthio-, ammonium salt	3	2	2	1							
3185	31491	Carbanilic acid, <i>N</i> -methylthio-, ammonium salt	2	3	2	1							
3186	30777	Carbazic acid, 2-isopropylidene-, 3- <i>p</i> -menthyl ester				1							
3187	24119	Carbostyryl, 1-methyl-	1			1							
3188	24208	Choline	2	2									
3189	31665	Chrysanthemumamide, <i>N</i> -methyl- <i>N</i> -(4,5-methylenedioxy-2-propylphenyl)-	1	1	1	1							
3190	31625	Chrysanthemumamide, <i>N</i> -(2-propyl-4,5-methylenedioxyphenyl)-	1	1	1					1	1		
3191	19559	Chrysanthemumic acid, 2-diethylamino-ethyl ester	1			1		1					
3192	31401	Chrysanthemumic acid, 4-ethoxy-4-methyl-3-oxo-1-piperidino-1-cyclopenten-2-yl ester								1			
3193	21886	Chrysanthemumic acid, 6-nitropiperonyl ester	2		2			1					
3194	2196	Cinnamamide, <i>N</i> -butyl-								1	1		
3195	20223	Cinnamamide, <i>o</i> -chloro- <i>N,N</i> -diethyl-								2	1		
3196	686	Cinnamamide, <i>N,N</i> -diethyl-								1	1		
3197	2187	Cinnamamide, <i>N,N</i> -diisopropyl-						1		1	1		
3198	31287	Cinnamamide, <i>N,N</i> -diphenyl-	1	1	1	1				1			
3199	2186	Cinnamamide, <i>N,N</i> -dipropyl-								2	1		
3200	30755	Cinnamamide, <i>N</i> -isobutyl-3,4-methylenedioxy-						1				1	1
3201	2195	Cinnamamide, <i>N</i> -isopropyl-								1	1		

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
3202	30235	NITROGEN-CONTAINING COMPOUNDS— Continued											
3203	20316	Cinnamamide, <i>N</i> -[2-(<i>p</i> -methoxyphenyl)-ethyl]- <i>N</i> -methyl-	2	1	1	1	1	1	1	1	2	1	1
3204	8518	Cinnamic acid, <i>alpha</i> -cyano-, ethyl ester			1								
3205	20318	Cinnamic acid, <i>alpha</i> -cyano-3,4-methylenedioxy-, ethyl ester	1			1							
3206	31149	Colchicine					1						
3207	10050	s-Collidine	3	1			1		1	1	1		
3208	20157	Coumarilamide, <i>N,N</i> -diethyl-	1		1	1		1					
3209	15321	Creatinine					1						
3210	19045	<i>m</i> -Cresol, 6- <i>tert</i> -butyl-2,4-dinitro-					1						
3211	19049	<i>m</i> -Cresol, 6- <i>tert</i> -butyl-4-nitro-					1						
3212	19050	<i>o</i> -Cresol, 6- <i>tert</i> -butyl-4-nitroso-					1						
3213	31658	Cyclohexanecarboxamide, 4 (or 5)-chloro- <i>N,N</i> -diethyl-2-methyl-	1	1	1	2	1						
3214	31660	Cyclohexanecarboxamide, 4 (or 5)-chloro-2-methyl- <i>N,N</i> -dipropyl-	1	1	1	2	1						
3215	24213	Cyclohexanesulfamic acid, sodium salt	1	2									
3216	20451	Cyclohexanol, 1-nitromethyl-	1	1	1	1		1					
3217	21740	3-Cyclohexene-1-carboxamide, <i>N,N</i> -diethyl-1-methyl-	1		2			1					
3218	20220	3-Cyclohexene-1-carboxamide, <i>N,N</i> -diethyl-6-methyl-	1		1			1					
3219	21047	4-Cyclohexene-1,2-dicarboximide, <i>N</i> -(<i>p</i> -chlorophenyl)-	1			1		1					
3220	21050	4-Cyclohexene-1,2-dicarboximide, <i>N</i> -heptyl-	1		1	1		1					
3221	21051	4-Cyclohexene-1,2-dicarboximide, <i>N</i> -(<i>o</i> -methoxyphenyl)-	1			1		1					
3222	21049	4-Cyclohexene-1,2-dicarboximide, <i>N</i> -(1-methylpentyl)-	2		1	1		1					
3223	20947	4-Cyclohexene-1,2-dicarboximide, <i>N</i> -octyl-						1					
3224	20949	4-Cyclohexene-1,2-dicarboximide, <i>N</i> -phenyl-						1					
3225	21043	4-Cyclohexene-1,2-dicarboximide, <i>N</i> - <i>o</i> -tolyl-				1		1					
3226	21044	4-Cyclohexene-1,2-dicarboximide, <i>N</i> - <i>m</i> -tolyl-	1			1		1					
3227	21045	4-Cyclohexene-1,2-dicarboximide, <i>N</i> - <i>p</i> -tolyl-	1			1		1					
3228	15323	Cyclohexylamine	1										
3229	31406	Cyclopenten-1-one, 5-ethoxy-2-hydroxy-5-methyl-3-morpholino-					1						
3230	31404	Cyclopenten-1-one, 5-hydroxy-2-methoxy-5-methyl-3-piperidino-					1						
3231	18781	Cysteine hydrochloride					1						
3232	9064	L-Cystine	1			1							
3233	15324	Diallylamine	1	1	1	1	1				1		
3234	24891	Diallylamine, 2,2'-dimethyl-	1		1	1	1			1	1		
3235	25349	Diammonium hydrogen phosphate								1			
3236	24809	1,4-Diazabicyclo[2.2.2]octane	2		1					1	1		
3237	15327	Dibenzylamine	1			1							
3238	15329	Dibutylamine	1			1							
3239	24637	Dibutylamine, 1-ethynyl-	1			1							
3240	24215	Diethylamine	1	1	1								
3241	16320	Diethylenetriamine	1	1									
3242	15345	Diisopropylamine	1	1									
3243	15638	Dimethylamine	2			1					1		
3244	15029	Dioctylamine	1			1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
NITROGEN-CONTAINING COMPOUNDS—Continued													
3245	30668	<i>m</i> -Dioxane, 2-(9-decenyl)-5-ethyl-5-nitro-----	1	1	1	1	1	-----	-----	-----	-----	-----	-----
3246	30659	<i>m</i> -Dioxane, 2-(9-decenyl)-5-methyl-5-nitro-----	1	1	1	2	1	-----	-----	-----	-----	-----	-----
3247	30704	<i>m</i> -Dioxane, 2-decyl-5-ethyl-5-nitro-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3248	30707	<i>m</i> -Dioxane, 2-decyl-5-methyl-5-nitro-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3249	30933	<i>m</i> -Dioxane, 5-ethyl-2-(<i>p</i> -isopropylphenyl)-5-nitro-----	1	1	1	1	1	-----	-----	-----	-----	-----	-----
3250	30647	<i>m</i> -Dioxane, 5-ethyl-5-nitro-2-octyl-----	2	1	1	1	1	-----	-----	-----	-----	-----	-----
3251	30698	<i>m</i> -Dioxane, 5-ethyl-5-nitro-2-phenethyl-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3252	31206	<i>m</i> -Dioxane, 5-ethyl-5-nitro-2- <i>p</i> -tolyl-----	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
3253	30646	<i>m</i> -Dioxane, 5-methyl-5-nitro-2-octyl-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3254	30685	<i>m</i> -Dioxane, 5-methyl-5-nitro-2-phenethyl-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3255	15326	Dipentylamine-----	1	-----	-----	1	-----	-----	-----	-----	1	-----	-----
3256	17436	Diphenylacetoneitrile-----	2	1	1	2	-----	-----	-----	-----	-----	-----	-----
3257	781	Diphenylamine-----	1	-----	1	1	-----	-----	-----	-----	-----	-----	-----
3258	30831	Diphenylamine, 4'-chloro-2,4-dinitro-----	-----	-----	-----	2	-----	-----	-----	-----	-----	-----	-----
3259	30864	Diphenylamine, <i>N</i> -ethyl-2,4-dinitro-----	1	1	2	1	-----	-----	-----	-----	-----	-----	-----
3260	24037	Dipropylamine-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3261	8905	Disulfide, bis(<i>o</i> -nitrophenyl)-----	2	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3262	3272	Disulfide, bis(<i>p</i> -nitrophenyl)-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3263	15083	Dodecylamine-----	1	1	1	1	1	-----	-----	-----	-----	-----	-----
3264	2761	Ephedrine-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3265	110	Ethane, nitro-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
3266	24219	Ethanol, 2-amino-----	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----
3267	16309	Ethanol, 2-diethylamino-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
3268	9209	Ethanol, 2-dimethylamino-----	1	1	-----	1	-----	1	-----	-----	-----	-----	-----
3269	15335	Ethanol, 2,2-iminodi-----	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
3270	24220	Ethanol, 2-isopropylamino-----	1	1	-----	1	-----	-----	-----	-----	-----	-----	-----
3271	1140	Ethanol, 2,2',2''-nitrilotri-----	1	2	1	-----	1	-----	-----	1	-----	-----	-----
3272	24221	Ethanol, 2- <i>p</i> -toluidino-----	2	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
3273	30618	Ether, bis(<i>o</i> -nitrophenyl)-----	3	1	2	1	1	-----	-----	-----	-----	-----	-----
3274	24228	Ethylamine-----	2	2	-----	-----	-----	-----	-----	2	-----	-----	-----
3275	24229	Ethylamine, 2-(3,4-dimethoxyphenyl)-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3276	24230	Ethylamine, 2-methoxy-----	2	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
3277	24231	Ethylenediamine-----	2	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3278	24234	Ethyl nitrate-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
3279	24235	Formamide-----	1	2	-----	-----	-----	-----	-----	-----	-----	-----	-----
3280	11534	Formamide, <i>N,N</i> -diethyl-----	1	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
3281	3311	Formamide, <i>N,N</i> -dimethyl-----	2	2	-----	-----	-----	-----	1	-----	-----	-----	-----
3282	24348	2-Furamide-----	2	-----	1	-----	-----	-----	-----	-----	-----	-----	-----
3283	18472	L-Glutamic acid-----	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----
3284	18393	Glutamic acid, monosodium salt-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3285	21200	Glutamic acid, 3-hydroxy-, hydrochloride-----	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3286	24392	L-Glutamine-----	1	-----	1	-----	-----	-----	-----	-----	-----	-----	-----
3287	4085	Glycine-----	1	1	-----	1	-----	1	-----	-----	-----	-----	-----
3288	23956	Glycine, ethyl ester, hydrochloride-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3289	15398	Glycine, <i>N</i> -phenyl-, potassium salt-----	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
3290	23958	Glycolonitrile-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3291	19014	Guanidine, hydrochloride-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3292	24393	Guanine-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
3293	24630	4-Heptanol, 1-dimethylamino-5-ethyl-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3294	24038	Heptylamine-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3295	16867	Hexadecylamine-----	2	2	1	1	1	-----	-----	-----	-----	-----	-----
3296	14515	Hexamethylenimine, 2-oxo-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3297	9611	Hexamethylenetetramine-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3298	24629	Hexanamide, 2-ethyl- <i>N</i> -(2-hydroxypropyl)-----	1	-----	-----	1	-----	-----	-----	-----	-----	-----	-----
3299	24931	3-Hexanol, 2-methyl-2-nitro-----	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
3300	7262	3-Hexanol, 2-nitro-----	2	2	1	1	-----	-----	-----	-----	-----	-----	-----

TABLE 2.—*Relative effectiveness of materials tested as attractants for 10 insect species—Continued*

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS— Continued											
3301	24638	Hexylamine, 2-ethyl-1-ethynyl- <i>N,N</i> -dimethyl-.....	1										
3302	24640	Hexylamine, 1-ethynyl- <i>N,N</i> ,3,5,5-pentamethyl-.....	1			1							
3303	30805	Hippuric acid, <i>p</i> -chloro-.....	1	1	1	1							
3304	24394	Histamine, dihydrochloride.....	1		1								
3305	18473	L-Histidine, monohydrochloride, monohydrate.....				1							
3306	23957	Hydrazine (85 percent).....	2			1							
3307	17266	Hydrazine, phenyl-, hydrochloride.....	1		1	1							
3308	30757	Hydrocinnamamide, <i>N</i> -isobutyl-3,4-methylenedioxy-.....				1							
3309	4501	Hydrofuramide.....	2	1									
3310	31100-X	Hydrogen cyanide, 10-percent solution in glycerin.....	2	2	2	1							
3311	8779	Hydroxylamine, hydrochloride.....		1									
3312	24703	Imidazole.....	1		1	1							
3313	25105	Imidazolium compound, 1(or 3)-benzyl-2-heptadecenyl-1-(2-hydroxyethyl)-.....chloride	1	1	1	1	1						
3314	25108	Imidazolium compound, 1(or 3)-(4-chlorobutyl)-2-heptadecenyl-1-(2-hydroxyethyl)-.....chloride	1	1	1	1	1						
3315	1540	Indole.....	1			1		1		1	1		
3316	24258	Indole, 3-(2-aminoethyl)-, hydrochloride.....	1										
3317	24131	3-Indoleacetic acid.....	1										
3318	17433	3-Indolepropionic acid.....	1										
3319	24983	Isatoic anhydride.....	1		1	1							
3320	24039	Isobutylamine.....	1		1	1							
3321	21884	<i>o</i> -Isobutyraniside.....	1		1	1		1				1	1
3322	21894	<i>o</i> -Isobutyrophenetide.....	1		1	1		1				1	1
3323	21883	<i>m</i> -Isobutyrotoluidide.....	2		1			1				1	1
3324	24266	Isocyanic acid, <i>o</i> -ethoxyphenyl ester.....	1	2									
3325	16555	Isohexylamine.....	1			1							
3326	18474	Isoleucine.....	1	1		1							
3327	24040	Isopentylamine.....				1							
3328	25183	Isopentyl nitrite.....	1	1	1	1		1					
3329	25034	Isophthalonitrile.....	1	1	1	1							
3330	10035	Isoquinoline.....	1			1				1	2		
3331	24276	Lactonitrile.....	1	1									
3332	5	Lauric acid, 2-thiocyanatoethyl ester.....	1	1	2		1						
3333	17850	Lauric acid, triester with <i>N,N</i> -bis(2-hydroxyethyl)lactamide.....					1						
3334	24277	Lepidine.....	1	1									
3335	22251	Lepidine, 1,2,3,4-tetrahydro-.....	1		2								
3336	8899	Leucine.....	1	1									
3337	30773	Levulinic acid, semicarbazone.....	1	1	1	1							
3338	24280	2,3-Lutidine.....	1	1									
3339	24281	2,4-Lutidine.....	1	1					1				
3340	24282	2,6-Lutidine.....	1	1									
3341	18306	DL-Lysine, monohydrochloride.....					1						
3342	24284	Malonamide.....	1	1									
3343	24285	Malononitrile.....	1	1									
3344	21298	Mandelonitrile, 2,4-dimethyl-.....	1		1	1		1					
3345	20145	Mandelonitrile, 3,4-methylenedioxy-.....	1				1	1	1	2	1		
3346	23799	1,8- <i>p</i> -Menthaneamine.....					1						
3347	15660	Methacrylamide.....	1	1									
3348	111	Methane, nitro-.....	1			1							
3349	18475	Methionine.....	1	1		1							
3350	15637	Methylamine.....	3	2							1		
3351	1231	Morpholine.....	2	1		1				2	1		
3352	2844	Morpholine. 4-acetyl-.....	1	1									

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3353	18737	Morpholine, 4-(2-aminoethyl)-	1	1									
3354	30007	Morpholine, 4-(2,4-dinitrophenyl)-					1			1	1		
3355	24288	Morpholine, 4-ethyl-	1	1									
3356	24289	Morpholine, 4-methyl-	1	1									
3357	1091	Morpholine, 4-phenyl-	1	1									
3358	31638	Morpholine, 4- <i>m</i> -toluoyl-	1	1	1		1						
3359	30824	Morpholine, 4-(<i>p</i> -tolylsulfonyl)-	1	1	1	1							
3360	25063	1-Naphthalenecarbamic acid, 2-chloroethyl ester	1	1	1	1							
3361	30721	1-Naphthamide, <i>N</i> -butyl-					1						
3362	30718	1-Naphthamide, <i>N,N</i> -diethyl-					1						
3363	30719	1-Naphthamide, <i>N,N</i> -dipropyl-	1	1	1	1	1						
3364	30722	1-Naphthamide, <i>N</i> -(<i>p</i> -phenylazophenyl)-	2	1	2	2							
3365	30723	1-Naphthoic acid, hydrazide	1	1	1	1							
3366	30696	1-Naphthoic acid, 4,5-methylenedioxy-2-nitrophenyl ester					1						
3367	234	2-Naphthonitrile	1		1	1							
3368	85	1-Naphthylamine	1	1						2			
3369	2906	Nicotinamide	1	2									
3370	3424	Nicotine	1			1							
3371	18994	Nicotinic acid	1	1									
3372	24932	3-Nonanol, 2-methyl-2-nitro-	1	1	1	1							
3373	24928	3-Nonanol, 2-nitro-	1	1	1	1							
3374	24632	4-Nonanol, 1-dimethylamino-6,8,8-trimethyl-	1			1							
3375	24775	3-Nonene, 3-nitro-	1		2		1			2	1		
3376	16562	Nonylamine					1						
3377	15285	Norleucine					1						
3378	18299	<i>DL</i> -Norvaline					1						
3379	31143	Octadecylamine	2	2	1	2	1						
3380	31081	Octanamide, <i>N</i> -butyl-	1	1	2	1	1						
3381	31072	Octanamide, <i>N,N</i> -butyl-	2	1	1	1	1						
3382	31056	Octanamide, <i>N,N</i> -diethyl-	2	1	2	1	1						
3383	31066	Octanamide, <i>N,N</i> -dipropyl-	2	2	2	1	1						
3384	31082	Octanamide, <i>N</i> -isobutyl-	1	1	1	1	1						
3385	7267	3-Octanol, 4-ethyl-2-nitro-	2		1								
3386	24631	2-Octanone, 3-dimethylamino-4-ethyl-	1			1							
3387	11522	<i>tert</i> -Octylamine					1				1		
3388	3761	Oxamide	2										
3389	21976	2-Oxazolin-5-one, 4-(6-chloropiperonylidene)-2-phenyl-	2	2	2	1		1				1	1
3390	21975	2-Oxazolin-5-one, 4-(<i>p</i> -methoxybenzylidene)-2-phenyl-	2	2	2	1		1				1	1
3391	24930	3-Pentanol, 2-methyl-2-nitro-	1	1	1	1							
3392	7253	3-Pentanol, 4-methyl-2-nitro-	2	2	1	1							
3393	24927	3-Pentanol, 2-nitro-	1	1	1	1							
3394	30775	2-Pentanone, 4-methyl-, semicarbazone	1	1	1	1							
3395	25184	Pentyl nitrite	1	1	1	1		1					
3396	20164	Peroxybenzoic acid, 4-diethylcarbamoyl-2-methoxy-, ethyl ester	1					1					
3397	3117	Phenethylamine	1			1							
3398	23876	Phenethylamine, 3,4-dimethoxy-	2	1	1								
3399	20155	Phenethylamine, <i>N,α</i> -dimethyl-, <i>D</i> -, hydrochloride	1					1					
3400	9043	<i>o</i> -Phenetidine	1	1		1							
3401	9042	<i>p</i> -Phenetidine	1			1							
3402	707	Phenetole, 2,4-dinitro-	2	1	1	1				1	1		
3403	232	Phenetole, <i>o</i> -nitro-	2	1									
3404	14871	Phenol, <i>m</i> -amino-	1	1									
3405	14895	Phenol, <i>m</i> -diethylamino-	1	2									
3406	30617	Phenol, 4,5-methylenedioxy-2-nitro-, acetate	2	2	2	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
3407	30687	NITROGEN-CONTAINING COMPOUNDS— Continued Phenol, 4,5-methylenedioxy-2-nitro-, benzoate					1						
3408	24342	Phenol, x-nitro-	1	2									
3409	21066	Phenol, o-nitro-, acetate	2			1							
3410	19026	Phenol, p-nitroso-	2	1	2	1							
3411	24343	o-Phenylenediamine	2	1									
3412	18861	Phosphorothioic acid, O-(3-chloro-4-nitrophenyl) O,O-dimethyl ester	2	2	1								
3413	20596	Phthalamide, N,N,N',N'-tetraethyl-	1	2									
3414	9347	Phthalic acid, 4-nitro-, dimethyl ester	1	2									
3415	2419	Phthalimide, N-sec-butyl-	1	1	1	1							
3416	2620	Phthalimide, N-cyclohexyl-								2	1		
3417	1394	Phthalimide, N-ethyl-	1		1	1							
3418	2417	Phthalimide, N-pentyl-	2	2	1	1				2	1		
3419	24109	2-Picoline				1							
3420	24112	2-Picoline, 6-amino-	1			1							
3421	19225	2-Picoline, 5-ethyl-	1										
3422	24502	2-Picoline, 1-oxide	1		1	1							
3423	24110	3-Picoline	2	1		1							
3424	14684	3-Picoline, 2-amino-	1	1		1							
3425	24111	4-Picoline	1			1							
3426	23984	4-Picoline, 2-amino-	1			1							
3427	24345	Picolinic acid	1	2									
3428	15403	Picric acid	3	2									
3429	25263	alpha-Pipecoline	1	1	1	1				1		1	
3430	24114	Piperidine	1	1	1	1	1	1		1	1		
3431	30821	Piperidine, 1-(2,4-dinitrophenyl)-	2	2	2	1							
3432	20365	Piperidine, 1-(p-ethoxybenzoyl)-	1			1	1						
3433	30720	Piperidine, N-1-naphthoyl-					1						
3434	31642	Piperidine, 1-m-toluoyl-	1	1	1	2							
3435	31641	Piperidine, 1-o-toluoyl-	1	1	1	2							
3436	31640	Piperidine, 1-p-toluoyl-	1	1	1								
3437	30566	1-Piperidinecarboxylic acid, benzyl ester					1						
3438	30861	Piperonal, phenylhydrazone	2	1	2	1							
3439	30792	Piperonylamide, N-butyl-	1	1	1	1							
3440	30756	Piperonylamide, N-cyclohexyl-				1							
3441	30812	Piperonylamide, N-ethyl-				1							
3442	30806	Piperonylamide, N-methyl-				1							
3443	30854	Piperonylamide, N-pentyl-				1							
3444	30787	Piperonylamide, N-phenyl-	2	1	1	1							
3445	30778	Piperonylamide, N-m-tolyl-				1							
3446	31076	Piperonylamine, 6-bromo-alpha-(1-bromoethyl)-N,N-dipropyl-					1						
3447	20821	Piperonylamine, N-butyl-					1	1	1	1	1		
3448	24347	1,3-Propanediamine, N-isopropyl-	2	1		1							
3449	3948	1,3-Propanediol, 2-amino-2-(hydroxymethyl)-	2	1									
3450	14653	2-Propanol, 1-amino-	2	1									
3451	15325	2-Propanol, 1,3-diamino-	2	2	1	1							
3452	24934	2-Propanol, 2-methyl-1-nitro-	1	1	1	1							
3453	1450	2-Propanol, 1, 1',1"-nitrilotri-	1	2									
3454	21217	Propionamide	1	1									
3455	21062	Propionamide, 3-chloro-	1			1							
3456	21870	Propionamide, N,N-diisobutyl-2-methyl-	1		1	1		1					
3457	19796	Propionamide, N-heptyl-	1		1			1					
3458	21869	Propionamide, N-hexyl-2-methyl-	1		1	1		1					
3459	15237	Propionamide, N-(2-hydroxyethyl)-	1			1							
3460	21911	Propionamide, 2-methyl-N,N-diocetyl-	2		1	1		1				1	
3461	21880	Propionamide, 2-methyl-N-(1-methylpentyl)-	1		1	1		1					1
3462	21871	Propionanilide, N-butyl-2-methyl-	2		2	1		1					
3463	21671	Propionanilide, 2'-chloro-2-methyl-	1		1	1		1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3464	21868	Propionanilide, <i>N</i> ,2-dimethyl-----	1	---	2	1	---	1	---	---	---	---	---
3465	2638	Propionanilide, <i>N</i> -ethyl-2-methyl-----	1	---	1	1	---	---	---	---	---	---	---
3466	30642	Propionanilide, 2-methyl-2'-nitro-----	---	---	---	---	1	---	---	---	---	---	---
3467	30669	Propionic acid, 4,5-methylenedioxy-2-nitrophenyl ester-----	---	---	---	---	1	---	---	---	---	---	---
3468	8777	Propionitrile-----	1	2	2	1	---	---	---	---	---	---	---
3469	30887	Propionitrile, 3,3',3''-(<i>p</i> -anisoylmethylidyne)tri-----	1	2	1	1	---	---	---	---	---	---	---
3470	24647	Propionitrile, 3,3'-(3,5-dichloro-2-hydroxybenzylimino)di-----	1	---	---	---	---	---	---	---	---	---	---
3471	30893	Propionitrile, 3,3',3''-(2-naphthoylmethylidyne)tri-----	1	1	1	1	---	---	---	---	---	---	---
3472	24894	Propionitrile, 3,3'-oxydi-----	1	---	1	1	---	---	---	---	---	---	---
3473	10511	Propiophenone, oxime-----	1	1	1	1	---	---	---	---	---	---	---
3474	17804	Pseudourea, 2-benzyl-2-thio-, hydrochloride-----	1	---	1	1	---	---	---	---	---	---	---
3475	31447	Pseudourea, 2-(6-bromopiperonyl)-2-thio-----	1	1	1	1	---	---	---	---	---	---	---
3476	31446	Pseudourea, 2-(6-bromopiperonyl)-2-thio-, hydrochloride-----	1	1	1	1	---	---	---	---	---	---	---
3477	31502	Pseudourea, 2-(6-chloropiperonyl)-2-thio-----	---	---	---	1	---	---	---	---	---	---	---
3478	31460	Pseudourea, 2-(2,4-dichlorobenzyl)-2-thio-----	1	1	1	1	---	---	---	---	---	---	---
3479	31456	Pseudourea, 2-(2,4-dimethylbenzyl)-2-thio-----	---	---	---	---	1	---	---	---	---	---	---
3480	31457	Pseudourea, 2-(3,4-dimethylbenzyl)-2-thio-----	1	1	1	1	---	---	---	---	---	---	---
3481	18304	Putrescine, dihydrochloride-----	2	2	---	---	---	---	---	---	---	---	---
3482	31294	4 <i>H</i> -Pyran-4-one, 6-carbamoyl-2,3-dihydro-2,2-dimethyl-----	1	1	1	1	---	---	---	---	---	---	---
3483	15287	Pyridine, 2-amino-----	1	1	---	---	---	---	---	---	---	---	---
3484	30836	Pyridine, 2-(4-chlorobenzamido)-----	---	---	---	1	---	---	---	---	---	---	---
3485	24041	Pyridine, 2,3-dihydro-2,2,4,6-tetramethyl-----	1	---	1	1	---	---	---	---	---	---	---
3486	24115	Pyridine, 2-hexyl-----	1	---	---	1	---	---	---	---	---	---	---
3487	24360	Pyridine, 4-pentyl-----	1	1	---	---	---	---	---	---	---	---	---
3488	24116	Pyridine, 2-vinyl-----	1	1	---	1	---	---	---	---	---	---	---
3489	24361	4-Pyridinepropanol-----	1	1	---	---	---	---	---	---	---	---	---
3490	24635	5-Pyrimidinol, hexahydro-1,3-bis(1,1,3,3-tetramethylbutyl)-----	1	---	---	---	---	---	---	---	---	---	---
3491	18817	Pyrrole-----	1	1	1	1	---	---	---	---	---	---	---
3492	24117	Pyrrolidine-----	2	---	---	1	---	---	---	---	1	---	---
3493	23116	2-Pyrrolidone, 1-methyl-----	1	---	---	1	---	---	---	---	---	1	---
3494	11528	Quinaldine-----	3	1	---	1	---	---	---	---	1	1	---
3495	1241	Quinoline-----	2	1	---	1	---	---	1	1	1	1	---
3496	5974	Quinoline, 1-butyryl-1,2,3,4-tetrahydro-----	1	---	---	1	---	---	---	---	---	---	---
3497	16316	Quinoline, 6-methoxy-----	1	1	---	1	---	---	---	---	---	---	---
3498	8869	Quinoline, 6-methyl-----	3	1	---	1	---	---	---	---	---	---	---
3499	850	Quinoline, 7-methyl-----	3	---	---	1	---	---	---	---	---	---	---
3500	849	Quinoline, 8-methyl-----	3	---	---	1	---	---	---	---	---	---	---
3501	10034	Quinoline, 1,2,3,4-tetrahydro-----	1	1	---	---	---	---	---	---	---	---	---
3502	24365	6-Quinolincarboxylic acid-----	2	2	---	---	---	---	---	---	---	---	---
3503	483	8-Quinololinol-----	1	2	---	1	---	---	---	---	---	---	---
3504	21308	Quinoxaline-----	2	---	1	1	---	1	---	---	---	---	---
3505	31374	Salicylaldehyde, 4-bromo-, semicarbazone-----	---	---	---	---	1	---	---	---	---	---	---
3506	3454	Salicylamide-----	1	1	---	---	1	---	---	---	---	---	---
3507	16240	Salicylamide, <i>N</i> -propyl-----	1	1	1	1	---	---	---	---	---	---	---
3508	15410	Sarcosine-----	---	---	---	---	1	---	---	---	---	---	---
3509	31538	Seneciamide, <i>N,N</i> -dibutyl-----	1	1	1	1	---	---	---	---	---	---	---
3510	18476	DL-Serine-----	---	---	---	1	---	---	---	---	---	---	---

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3511	24372	Skatole	1										
3512	3102	Stearic acid, ammonium salt	3	3									
3513	6166	Succinamic acid, <i>N,N</i> -diethyl-, ethyl ester					1						
3514	8539	Succinimide	1	1									
3515	31668	Succinimide, <i>N</i> -butyl-	1	1	1	1							
3516	31673	Succinimide, <i>N</i> -sec-butyl-	1	1	1	1							
3517	31794	Succinimide, <i>N</i> -ethyl-	1	1	1	2							
3518	31795	Succinimide, <i>N</i> -ethyl-2-(1,1,3,5-tetramethyl-2-octenyl)-	1	1	1	2							
3519	31674	Succinimide, <i>N</i> -hexyl-	1	1	1	1							
3520	31670	Succinimide, <i>N</i> -isobutyl-	1	1	1	1							
3521	31671	Succinimide, <i>N</i> -isopropyl-	1	1	1	1							
3522	31797	Succinimide, <i>N</i> -isopropyl-2-(1,1,3,5-tetramethyl-2-octenyl)-	1	1	1	1							
3523	6591	Succinonitrile	1	1	1	1							
3524	30237	Sulfamide	1	1	1	1							
3525	30837	Sulfanilamide 4'-nitro-	2	1	2	1							
3526	16371	Sulfide, bis(2,4-dinitrophenyl)	1	1	2	1							
3527	4010	Sulfone, bis(4-chloro-3-nitrophenyl)	1	1	1	1							
3528	24645	6,9-Tetradecanediamine, <i>N,N,N',N'</i> ,2,2,4,11,13,13-decamethyl-	1			1							
3529	24644	7-Tetradecyne-6,9-diamine, <i>N,N,N',N'</i> ,2,2,4,11,13,13-decamethyl-	1			1							
3530	10049	Tetraethylenepentamine	1	2									
3531	24648	1,2,5-Thiadiazolidine, 2,5-bis(3,5,5-trimethylhexyl)-, 1,1-dioxide	1			1							
3532	986	Thiazoline-2-thiol	1		1	1							
3533	18477	<i>DL</i> -Threonine					1						
3534	31515	<i>m</i> -Toluamide, <i>N</i> -butyl-	1	1	1	2							
3535	30126	<i>m</i> -Toluamide, <i>N,N</i> -dibutyl-	1		1	1	1			2	1	1	1
3536	20218	<i>m</i> -Toluamide, <i>N,N</i> -diethyl-						1	1	2	1		
3537	31514	<i>m</i> -Toluamide, <i>N,N</i> -diisobutyl-	1	1	1	1							
3538	30130	<i>m</i> -Toluamide, <i>N,N</i> -diisopropyl-					1				1		
3539	30105	<i>m</i> -Toluamide, <i>N,N</i> -dimethyl-					1			2	1		
3540	31518	<i>m</i> -Toluamide, <i>N,N</i> -dioctyl-	1	1	1	1							
3541	30106	<i>m</i> -Toluamide, <i>N,N</i> -dipropyl-					1			1	1		
3542	30131	<i>m</i> -Toluamide, <i>N</i> -methyl-					1			2	2		
3543	31636	<i>m</i> -Toluamide, <i>N</i> -pentyl-	2	1	1		1				1		
3544	30079	<i>o</i> -Toluamide, <i>N</i> -benzyl-					1				1		
3545	30068	<i>o</i> -Toluamide, <i>N</i> -butyl-	1	1	1	1					1	1	1
3546	30090	<i>o</i> -Toluamide, <i>N</i> -sec-butyl-					1				1		
3547	30075	<i>o</i> -Toluamide, <i>N</i> -cyclohexyl-					1				1		
3548	30002	<i>o</i> -Toluamide, <i>N,N</i> -dibutyl-	1	1	1	1				2	1	1	1
3549	20217	<i>o</i> -Toluamide, <i>N,N</i> -diethyl-	1			1		1		1	1		
3550	31652	<i>o</i> -Toluamide, <i>N,N</i> -diisobutyl-	1	1	1	2							
3551	30000	<i>o</i> -Toluamide, <i>N,N</i> -diisopropyl-	1	1	1	1				1	1	1	1
3552	30025	<i>o</i> -Toluamide, <i>N,N</i> -dipropyl-	1	1	1	1		1		1	1		
3553	31637	<i>o</i> -Toluamide, <i>N</i> -pentyl-	2	1	1								
3554	30369	<i>p</i> -Toluamide, <i>N</i> -benzyl-					1						
3555	30355	<i>p</i> -Toluamide, <i>N</i> -butyl-					1			1	1		
3556	30416	<i>p</i> -Toluamide, <i>N</i> -sec-butyl-					1				1		
3557	30146	<i>p</i> -Toluamide, <i>N,N</i> -dibutyl-	1		1	1	1				1	1	1
3558	20219	<i>p</i> -Toluamide, <i>N,N</i> -diethyl-	1	1	1	1				1	1		
3559	30330	<i>p</i> -Toluamide, <i>N,N</i> -dimethyl-	1	1	1	1	1			1	1		
3560	30140	<i>p</i> -Toluamide, <i>N,N</i> -dipropyl-	1		1	1						1	1
3561	30332	<i>p</i> -Toluamide, <i>N</i> -pentyl-	1	1	1	1	1						
3562	31199	<i>o</i> -Toluanilide					1						
3563	485	Toluene, 2-chloro-6-nitro-	1			1							
3564	494	Toluene, 4-chloro-2-nitro-	1		3	1							
3565	16311	Toluene, 2-nitro-	1	1	1	1		1					
3566	3717	Toluene 2,4-diamine	1	1									

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		NITROGEN-CONTAINING COMPOUNDS—Continued											
3567	424	<i>p</i> -Toluenesulfonamide, <i>N,N</i> -dibutyl-			1	1							
3568	8016	<i>p</i> -Toluenesulfonamide, <i>N</i> -(2-cyclohexylcyclohexyl)-									1		
3569	24383	<i>o</i> -Toluidine	1	1									
3570	19858	<i>p</i> -Toluidine	1	1				1					
3571	31269	<i>o</i> -Toluo- <i>o</i> -anisidide					1						
3572	4858	Triazene, 1,3-diphenyl-	1			1							
3573	25257	<i>s</i> -Triazine-2,4,6(1 <i>H</i> ,3 <i>H</i> ,5 <i>H</i>)-trione, 3,5-dichloro-	1	1	1	1						1	1
3574	17193	<i>s</i> -Triazine-2,4,6(1 <i>H</i> ,3 <i>H</i> ,5 <i>H</i>)-trione, 1,3,5-trichloro-	1	1	2	1						1	1
3575	24643	<i>s</i> -Triazine, 1,3,5-tricyclohexylhexahydro-	1			1							
3576	15425	Triethylamine	1	1						1			
3577	24384	Triethylenetetramine	1	1			1						
3578	24385	Triheptylamine	1	1									
3579	16695	Triisopentylamine	1	1									
3580	24395	DL-Tryptophan					1						
3581	18478	L-Tryptophan				1							
3582	18479	DL-Tyrosine				1							
3583	9055	L-Tyrosine	1			1							
3584	1202	Urea	1	1									
3585	24634	Urea, 1,3-bis(1,1,3,3-tetramethylbutyl)-	1			1							
3586	24636	Urea, 1,3-di- <i>tert</i> -butyl-2-thio-	1			1							
3587	24386	Urea, 1,3-dimethyl-	1	1									
3588	24387	Valeramide	1	1									
3589	30826	Valeric acid, phenylhydrazone				1							
3590	30052	Valeronitrile	1	1	1	1						1	1
3591	18308	DL-Valine	1										
3592	30872	<i>o</i> -Veratraldehyde, phenylhydrazone	1	1	1	1							
3593	30809	<i>o</i> -Veratramide	1	1	1	1							
3594	20861	Veratrole, 4-nitro-	2			1							
3595	9017	<i>m</i> -Xylene, 5- <i>tert</i> -butyl 2,4,6-trinitro-	1	1	1	1							
3596	25033	<i>m</i> -Xylene- <i>alpha, alpha'</i> -diamine	2	2	1	1							
3597	24568	3,5-Xylenol, 4-nitro-	2	1	2	1							
3598	24178	<i>x,x</i> -Xylidine	1	1									
3599	16559	2,5-Xylidine					1						
		GROUP 9.—HALOGEN-CONTAINING COMPOUNDS											
3600	30999	Acetaldehyde, <i>alpha</i> -(1-bromoethyl)-6-bromopiperonyl 2-(2-ethoxyethoxy)-ethyl acetal					1						
3601	30746	Acetaldehyde, 3-(2-bromo-4,5-methylenedioxyphehyl)-2-methylpropyl isobutyl acetal					1						
3602	21920	Acetaldehyde, butyl 2-chloroethyl acetal	1		1	1		1					
3603	20519	Acetic acid, <i>p</i> -chlorobenzhydryl ester	1		1			1					
3604	20191	Acetic acid, bis(<i>p</i> -chlorophenyl)-, 4,4'-dichlorobenzhydryl ester	1										
3605	18917	Acetic acid, bromo-, benzyl ester			1								
3606	20961	Acetic acid, bromo-, 2-(2-butoxyethoxy)-ethyl ester	1			1	1	1	1	1			
3607	20960	Acetic acid, bromo-, 2-butoxyethyl ester	1			1		1			1		
3608	21143	Acetic acid, bromo-, 2-(<i>p</i> - <i>sec</i> -butylphenoxy)-1-methylethyl ester	1			1		1					
3609	21157	Acetic acid, bromo-, 2-chloro-1-methylethyl ester						1					
3610	21135	Acetic acid, bromo-, <i>p</i> -chlorophenethyl ester						1					
3611	21144	Acetic acid, bromo-, 2-(<i>o</i> -chlorophenoxy)-1-methylethyl ester				1		1					
3612	21142	Acetic acid, bromo-, 2-(<i>p</i> -chlorophenoxy)-1-methylethyl ester	1			1		1					
			1			1		1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3613	21158	Acetic acid, bromo-, 3-chloropropyl ester						1					
3614	13005	Acetic acid, bromo-, cyclohexyl ester			1								
3615	31053	Acetic acid, bromo-, 2-cyclohexylecyclohexyl ester					1						
3616	30395	Acetic acid, bromo-, decyl ester	1		1		1						
3617	21394	Acetic acid, bromo-, 2,3-dibromopropyl ester	1			1						1	1
3618	21145	Acetic acid, bromo-, 2-(2,4-dichlorophenoxy)-1-methylethyl ester	1			1		1					
3619	21585	Acetic acid, bromo-, 2,4-dimethylbenzyl ester	1		1	1	1	1					
3620	30204	Acetic acid, bromo-, 3,4-dimethylbenzyl ester	1	1	1	1	1					1	1
3621	30914	Acetic acid, bromo-, 2,2-dimethylpentyl ester	1	1	1	1	1						
3622	21136	Acetic acid, bromo-, ester with citronellol	1			1		1					
3623	21134	Acetic acid, bromo-, ester with 3,9-diethyl-6-tridecanol	1		2	1		1					
3624	21132	Acetic acid, bromo-, 2-ethylbutyl ester	1		2	1		1		1	2		
3625	21133	Acetic acid, bromo-, 4-ethyl-1-methyloctyl ester				1		1					
3626	18921	Acetic acid, bromo-, 1-ethylpentyl ester			1							1	1
3627	18918	Acetic acid, bromo-, 1-ethylpropyl ester			1								
3628	21139	Acetic acid, bromo-, heptyl ester	2			1		1					
3629	30739	Acetic acid, bromo-, hexadecyl ester	1	1	1	1	1						
3630	20959	Acetic acid, bromo-, hexyl ester	2			1		1		1	1		
3631	21926	Acetic acid, bromo-, 3-methoxybutyl ester	1		1	1		1					
3632	30201	Acetic acid, bromo-, <i>m</i> -methylbenzyl ester	2	1	2	1	1						
3633	18919	Acetic acid, bromo-, 2-methylpentyl ester			2								
3634	30590	Acetic acid, bromo-, nonyl ester	1	2	1	1	1						
3635	21156	Acetic acid, bromo-, tetradecyl ester				1		1					
3636	30211	Acetic acid, bromo-, triester with glycerol	1	1	1	1	1					1	1
3637	30901	Acetic acid, bromo-, undecyl ester	1	1	1	1	1						
3638	18416	Acetic acid, chloro-, 2-(<i>p</i> - <i>tert</i> -butylphenoxy)ethyl ester	1		1	1							
3639	30424	Acetic acid, chloro-, 2-(<i>p</i> - <i>sec</i> -butylphenoxy)-1-methylethyl ester	1		1	2	1						
3640	31051	Acetic acid, chloro-, 2-cyclohexylecyclohexyl ester	1	1	1	2	1						
3641	30732	Acetic acid, chloro-, decyl ester	1	1	1	1	1						
3642	21396	Acetic acid, chloro-, 2,3-dibromopropyl ester	1			1		1				1	1
3643	23375	Acetic acid, chloro-, 3,5-dichloro-2-biphenyl ester					1						
3644	2151	Acetic acid, chloro-, diester with ethylene glycol	1	1	1	1							
3645	30884	Acetic acid, chloro-, diester with 2,2'-methylenebis(4-chlorophenol)	1	1	1	1							
3646	30197	Acetic acid, chloro-, 3,4-dimethylbenzyl ester	2	1	2	1	1					1	1
3647	18524	Acetic acid, chloro-, 1,3-dimethylbutyl ester	1		2	1							
3648	31387	Acetic acid, chloro-, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	2	1	1	1							
3649	30913	Acetic acid, chloro-, 2,2-dimethylpentyl ester	1	1	3	1	1						
3650	18525	Acetic acid, chloro-, 1-ethylpentyl ester	1		2	1							
3651	21528	Acetic acid, chloro-, heptyl ester			1	1		1				1	1
3652	30699	Acetic acid, chloro-, hexyl ester	1	1	2	1	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3653	18414	Acetic acid, chloro-, 2-isopropylcyclohexyl ester	1		1	1							
3654	18411	Acetic acid, chloro-, 4-isopropylcyclohexyl ester	1		1	1							
3655	21925	Acetic acid, chloro-, 3-methoxybutyl ester	1		1	1		1				1	1
3656	30063	Acetic acid, chloro-, <i>m</i> -methylbenzyl ester	3	1	2	1	1				1	1	1
3657	18484	Acetic acid, chloro-, 4-methylcyclohexyl ester	1		2	1							
3658	18522	Acetic acid, chloro-, 1-methylheptyl ester	2		1	1					1		
3659	30589	Acetic acid, chloro-, nonyl ester	1	1	1	1	1						
3660	30591	Acetic acid, chloro-, octyl ester	1	1	1	1	1						
3661	7345	Acetic acid, chloro-, 2-phenoxyethyl ester	1	1	1	1							
3662	31011	Acetic acid, chloro-, piperonyl ester	2	2	2	1	1						
3663	21189	Acetic acid, chloro-, tetrahydropyran-2-ylmethyl ester	1	1	1	1		1					
3664	30328	Acetic acid, chloro-, triester with glycerol					1						
3665	30900	Acetic acid, chloro-, undecyl ester	1	1	1	1	1						
3666	5833	Acetic acid, (<i>p</i> -chlorobenzoyl)-, ethyl ester					1						
3667	30799	Acetic acid, (<i>p</i> -chlorophenoxy)-	1	1	1	1							
3668	21402	Acetic acid, dichloro-, benzyl ester	1			1		1				1	1
3669	21401	Acetic acid, dichloro-, butyl ester	1			1		1				1	1
3670	21407	Acetic acid, dichloro-, cyclohexyl ester	1			1		1				1	1
3671	21410	Acetic acid, dichloro-, phenethyl ester	1			1		1				1	1
3672	30417	Acetic acid, iodo-, benzyl ester					1						
3673	30432	Acetic acid, iodo-, 2-bromoethyl ester					1						
3674	30442	Acetic acid, iodo-, ethylene ester					1						
3675	30426	Acetic acid, iodo-, hexyl ester					1		1				
3676	20958	Acetic acid, iodo-, phenethyl ester	1			1	1	1	1	1	2		
3677	30427	Acetic acid, iodo-, 2-phenoxyethyl ester					1						
3678	31104	Acetic acid, (<i>p</i> -methoxyphenyl)-, 2-bromoethyl ester	1	2	2	1							
3679	31102	Acetic acid, (<i>p</i> -methoxyphenyl)-, 2-chloroethyl ester	1	2	1	1							
3680	21399	Acetic acid, phenoxy-, 2,3-dibromopropyl ester	1			1		1				1	1
3681	22223	Acetic acid, phenyl-, 2-bromoethyl ester					1						
3682	22227	Acetic acid, phenyl-, <i>p</i> -chlorobenzyl ester					1						
3683	22218	Acetic acid, phenyl-, 2-chloroethyl ester					1						
3684	30321	Acetic acid, phenyl-, 2-(<i>o</i> -chlorophenoxy)-1-methylethyl ester	1	1	1	1	1						
3685	30325	Acetic acid, phenyl-, 2-(<i>p</i> -chlorophenoxy)-1-methylethyl ester	1	1	1	1	1						
3686	21400	Acetic acid, phenyl-, 2,3-dibromopropyl ester	1			1	1	1				1	1
3687	31478	Acetic acid, thio-, 6-bromopiperonyl ester				1		1					
3688	24157	Acetic acid, trichloro-	1	1				1					
3689	31211	Acetic acid, trichloro-, 6-bromo- <i>alpha</i> -(1-bromoethyl)piperonyl ester	1	1	1	1						1	1
3690	31254	Acetic acid, trichloro-, <i>alpha</i> -ethylbenzyl ester	2	2	3	1						1	1
3691	25258	Acetophenone, 2-chloro-3',4'-dihydroxy-	2	1	2	2				1			
3692	30702	Acrylic acid, 3-(2-bromo-4,5-methylenedioxyphenyl)-2-phenyl-, ethyl ester					1						
3693	30703	Acrylic acid, 3-(2-chloro-4,5-methylenedioxyphenyl)-2-phenyl-, ethyl ester					1						
3694	15949	Aldrin	1										
3695	31041	<i>p</i> -Anisic acid, 6-bromo- <i>alpha</i> -(1-bromoethyl)piperonyl ester	1	1	1	1						1	1

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3696	30603	<i>p</i> -Anisic acid, 2-bromoethyl ester-----	1	1	1	1	1						
3697	30602	<i>p</i> -Anisic acid, 2-chloroethyl ester-----	1	1	1	1	1						
3698	16063	Benzaldehyde, 2,4-dichloro-----	1			1							
3699	31038	Benzene, 4-[2-bromo-1-(allyloxy)propyl]- 1,2-methylenedioxy-----	2	1	1	2	1						
3700	31073	Benzene, 4-bromo-5-[2-bromo-1-(2-butoxyethoxy)propyl]-1,2-methylene- dioxy-----					1						
3701	31058	Benzene, 4-bromo-5-(2-bromo-1-butoxypropyl)-1,2-methylenedioxy-----					1						
3702	31080	Benzene, 4-bromo-5-(2-bromo-1-isobutoxypropyl)-1,2-methylenedioxy-----					1						
3703	31083	Benzene, 4-bromo-5-(2-bromo-1-isopentyloxypropyl)-1,2-methylenedioxy-----					1						
3704	31062	Benzene, 4-bromo-5-(2-bromo-1-isopropoxypropyl)-1,2-methylenedioxy-----					1						
3705	30984	Benzene, 4-bromo-5-(2-bromo-1-methoxypropyl)-1,2-methylenedioxy-----					1						
3706	31084	Benzene, 4-bromo-5-(2-bromo-1-pentyl- oxypropyl)-1,2-methylenedioxy-----					1						
3707	31035	Benzene, 4-(2-bromo-1-butoxypropyl)- 1,2-methylenedioxy-----				1	1						
3708	15313	Benzene, 1-bromo-4-chloro-----	1		3	1							
3709	31034	Benzene, 4-[2-bromo-1-(1,3-dimethyl-3-butenyloxy)propyl]-1,2-methylene- dioxy-----					1						
3710	31689	Benzene, 4-bromo-5-(1,2-epoxypropyl)- 1,2-methylenedioxy-----	1	1	1	1							
3711	31001	Benzene, 4-(2-bromo-1-ethoxypropyl)- 1,2-methylenedioxy-----	3	1	2	2	1						
3712	31036	Benzene, 4-(2-bromo-1-isopentyloxypropyl)-1,2-methylenedioxy-----	3	1	1	1	1						
3713	31037	Benzene, 4-(2-bromo-1-isopropoxypropyl)-1,2-methylenedioxy-----					1						
3714	31000	Benzene, 4-(2-bromo-1-methoxypropyl)- 1,2-methylenedioxy-----	3	1	2	2	1						
3715	31214	Benzene, 5-bromo-1,2-methylenedioxy-4-(2,3-dibromopropoxy)-----	1	1	1	1						1	1
3716	31255	Benzene, 5-bromo-1,2-methylenedioxy- 4-propyl-----	2	2	3	1						1	1
3717	31033	Benzene, 4-(2-bromo-1-propoxypropyl)- 1,2-methylenedioxy-----	3	1	2	1	1			1			
3718	20997	Benzene, 5-(2-bromopropyl)-1,2-methylenedioxy-----	1			1		1					
3719	31257	Benzene, 4-(2,3-dibromopropyl)-5- ethoxy-1,2-methylenedioxy-----	1	1	1							1	1
3720	15517	Benzene, <i>m</i> -dichloro-----	1	1	1	1			2				
3721	53	Benzene, <i>o</i> -dichloro-----	1			1			1				
3722	50	Benzene, <i>p</i> -dichloro-----	1			1			1				
3723	21245	Benzene, 1,2-dichloro-4,5-methylene- dioxy-----			1	1		1					
3724	21631	Benzene, 1,2-methylenedioxy-3,4,5-tri- chloro-----			1	1	1	1				1	1
3725	7775	Benzene, 1,2,4-trichloro-----	1		3	1				1			
3726	23118	Benzenethiol, pentachloro-----	1	1	1	1							
3727	25040	Benzil, 4,4'-dibromo-----	1	1	1	1							
3728	30966	Benzoic acid, 2,3-dibromo-1,1-dimethyl- pentyl ester-----					1	1					
3729	3714	Benzoic acid, <i>o</i> -chloro-----	1			1							
3730	31042	Benzoic acid, <i>o</i> -chloro-, α -(1-bromoethyl)-6-bromopiperonyl ester-----						1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3731	31392	Benzoic acid, <i>o</i> -chloro-, 2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethyl ester	1	1	1	1	1						
3732	30920	Benzoic acid, <i>o</i> -chloro-, 2,2-dimethyl-pentyl ester	2	1	1	1	1						
3733	30975	Benzoic acid, <i>o</i> -chloro-, heptyl ester	1	1	1	2	1						
3734	31355	Benzoic acid, <i>o</i> -chloro-, 2-propylheptyl ester	1	1	1	1						1	1
3735	3715	Benzoic acid, <i>p</i> -chloro-	1			1							
3736	31040	Benzoic acid, <i>p</i> -chloro-, 6-bromo- <i>alpha</i> -(1-bromoethyl)piperonyl ester	1	1	1	1						1	1
3737	30931	Benzoic acid, <i>p</i> -chloro-, 2,2-dimethyl-pentyl ester	1	1	1	1	1						
3738	30902	Benzoic acid, <i>p</i> -chloro-, undecyl ester	2	1	1	1	1						
3739	30768	Benzoic acid, 2-(4'-chloro-4'-phenylbenzoyl)-	1	2	1	1							
3740	30159	Benzoic acid, <i>p</i> -isopropyl-, 2-bromoethyl ester	1		1	1	1					1	1
3741	30158	Benzoic acid, <i>p</i> -isopropyl-, 2-chloroethyl ester	1		1	1	1					1	1
3742	30194	Benzoic acid, <i>p</i> -isopropyl-, 2,2,2-trichloroethyl ester	1	1	1	1	1					1	1
3743	30786	Benzophenone, 4-chloro-4'-methyl-	2	1	2	1							
3744	18076	Benzyl alcohol, <i>o</i> -chloro-, acetate					1						
3745	20608	Benzyl alcohol, <i>p</i> -chloro- <i>alpha</i> -propyl-, acetate					1	1					
3746	4536	Benzyl alcohol, <i>p</i> -chloro- <i>alpha</i> -(tri-chloromethyl)-	1			1							
3747	20558	Benzyl alcohol, 2,4-dichloro-, acetate					1	1					
3748	7789	Benzyl alcohol, 3,4-dichloro-, acetate	1			1							
3749	4634	Benzyl alcohol, <i>alpha</i> -(trichloromethyl)-	1	1	1	1	1			1	1		
3750	2454	Benzyl alcohol, <i>alpha</i> -(trichloromethyl)-, acetate	2	1	1	1	1						
3751	31485	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid, 1,4,5,6,7,7-hexachloro-, dibutyl ester	1	1	1	1							
3752	31484	Bicyclo[2.2.1]hept-5-ene-2,3-dicarboxylic acid, 1,4,5,6,7,7-hexachloro-, dipropyl ester	1	1	1	1							
3753	31286	<i>p,p'</i> -Biphenol, 3,3',5,5'-tetrachloro-					1						
3754	25262	Butane, 2-bromo-	1	1	1	1				1		1	
3755	5672	2-Butanol, 1-(<i>p</i> -chlorophenyl)-3-methyl-	1	1	1		1						
3756	30747	2-Butanol, 3,4-dibromo-2-methyl-					1						
3757	18969	2-Butanone, 4-(<i>p</i> -chlorophenyl)-	1	2	1	1							
3758	25133	1-Butyne, 3-chloro-3-methyl-	1	1	2	2		1		1	1		
3759	30496	Butyric acid, 2-(allyloxy)-1-(chloromethyl) ethyl ester	1		2	1	1					1	1
3760	20520	Butyric acid, <i>p</i> -chlorobenzyl ester	1		1			1					
3761	30419	Butyric acid, 2-(<i>o</i> -chlorophenoxy)-1-methylethyl ester	1		2	1	1						
3762	30906	Butyric acid, 2,3-dibromo-1,1-dimethyl-propyl ester	1			1		1					
3763	21398	Butyric acid, 2,3-dibromopropyl ester											
3764	21970	Butyric acid, 2-bromo-, 3-methoxybutyl ester	2	1	2	1		1				1	1
3765	21065	Butyric acid, 2-bromo-3-methyl-	1			1				1		1	1
3766	30221	Butyric acid, 2-ethyl-, 2-bromoethyl ester	1	1	1	1	1					1	1
3767	30220	Butyric acid, 2-ethyl-, 2-chloroethyl ester	1	1	1	1	1					1	1
3768	30357	Butyric acid, 2-ethyl-, 2-(<i>o</i> -chlorophenoxy)-1-methylethyl ester	1		1	1	1						
3769	14921	Camphor, bromo-, <i>d</i> -	1			1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3770	20526	Caproic acid, <i>p</i> -chlorobenzyl ester.....	1		1			1					
3771	4705	Carbon tetrachloride.....	1										
3772	30196	Chalcone, 4'-chloro-3,4-methylenedioxy-..	1	1	2	1							
3773	82	Chloral hydrate.....	1		1	1							
3774	24207	Chloroform.....	1	1									
3775	32	<i>x</i> -Chlorophenyl ether.....					1			2			
3776	30974	Chrysanthemumic acid, 2-bromoethyl ester.....	1	1	1	1	1						
3777	30998	Chrysanthemumic acid, <i>alpha</i> -(1-bromoethyl)-6-bromopiperonyl ester.....					1						
3778	30682	Chrysanthemumic acid, 2-bromo-4,5-methylenedioxyphenyl ester.....					1						
3779	31304	Chrysanthemumic acid, 6-chloro- <i>alpha</i> -ethylpiperonyl ester.....					1						
3780	31403	Chrysanthemumic acid, 2-(2-chloro-4,5-methylenedioxyphenoxy)ethyl ester.....	1	1	1	1							
3781	30937	Chrysanthemumic acid, 2-chloro-4,5-methylenedioxyphenyl ester.....					1						
3782	31305	Chrysanthemumic acid, 6-chloro- <i>alpha</i> -methylpiperonyl ester.....					1						
3783	21557	Chrysanthemumic acid, 6-chloropiperonyl ester.....	2		2	1	1	1		2	1	1	1
3784	30753	Chrysanthemumic acid, 2,3-dibromo-1,1-dimethylpropyl ester.....					1						
3785	31402	Chrysanthemumic acid, pentachlorophenyl ester.....	1	1	1	1							
3786	31428	Chrysanthemumic acid, thiol-, 6-bromopiperonyl ester.....	2	1	1	2							
3787	31506	Chrysanthemumic acid, thiol-, 6-chloropiperonyl ester.....	2	1	1	1							
3788	31461	Chrysanthemumic acid, thiol-, 2,4-dichlorobenzyl ester.....	1	1	1	1							
3789	20113	Cinnamic acid, <i>o</i> -chloro-, allyl ester.....					1	1					
3790	18978	<i>m</i> -Cresol, 4,6-di- <i>tert</i> -butyl-2-chloro-..					1						
3791	16807	Cyclohexane, 1,2,3,4,5,6-hexachloro-, <i>gamma</i> isomer.....						1		2			
3792	19660	Cyclohexanecarboxylic acid, 2-bromoethyl ester.....			2			1					
3793	19659	Cyclohexanecarboxylic acid, 2-chloroethyl ester.....			2			1					
3794	31321	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-.....	1	1	1								
3795	31628	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, allyl ester.....	1	1	2								
3796	31499	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, butyl ester.....	1	1	2	1							
3797	31324	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, <i>sec</i> -butyl ester.....	1	1	2	1							
3798	31500	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, cyclohexyl ester.....	1	1	1	2							
3799	31322	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, ethyl ester.....	1	1	3	2							
3800	31323	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, isopropyl ester.....	1	1	3	1							
3801	31487	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, methyl ester.....	1	1	3	1							
3802	31629	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, 2-methylallyl ester.....	1	1	2								
3803	31489	Cyclohexanecarboxylic acid, 4(or 5)-bromo-2-methyl-, propyl ester.....	1	1	3	2							
3804	30990	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-.....	1	1	1	1	2						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3805	31557	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, allyl ester	1	1	2	2							
3806	31591	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, benzyl ester	1	1	1	2							
3807	31800	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-bromoethyl ester	1	1	2	1							
3808	31803	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-(2-butoxyethoxy)-ethyl ester	1	1	1	1							
3809	31802	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-butoxyethyl ester	1	1	1	1							
3810	31558	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, butyl ester	1	1	2	1							
3811	30992	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, sec-butyl ester	1	1	3	1	1						
3812	31560	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, tert-butyl ester	2	1	3	1							
3813	31568	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-chloroethyl ester	1	1	2	1							
3814	31663	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, cyclohexyl ester	2	1	1	1							
3815	31565	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, cyclopentyl ester	1	1	2	1							
3816	31590	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1,3-dimethylbutyl ester	1	1	2	2							
3817	31563	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1,1-dimethylpropyl ester	1	1	3	2							
3818	30991	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, ethyl ester	1	1	3	2	1						
3819	31566	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-ethylbutyl ester	1	1	1	2							
3820	31806	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1-ethylpentyl ester	2	1	1	1							
3821	31564	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1-ethylpropyl ester	2	1	2	1							
3822	31805	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, hexyl ester	2	1	1	2							
3823	31559	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, isobutyl ester	1	1	2	1							
3824	31562	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, isopentyl ester	1	1	1	1							
3825	21706	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, isopropyl ester	1	1	3	1		1		2	2	1	1
3826	31804	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 3-methoxybutyl ester	1	1	1	1							
3827	31801	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-methoxyethyl ester	1	1	1	1							
3828	31592	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-methoxy-1-methyl-ethyl ester	1	1	2	1							
3829	31555	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, methyl ester	1	1	1	2							
3830	31589	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 1-methylbutyl ester	1	1	3	2							
3831	31567	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-methylpentyl ester	1	1	1	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3832	31561	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, pentyl ester	1	1	1	1							
3833	31569	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, phenethyl ester	1	1	1	1							
3834	31556	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, propyl ester	2	1	3	1							
3835	31662	Cyclohexanecarboxylic acid, 4(or 5)-chloro-2-methyl-, 2-propynyl ester	2	1	3	1							
3836	31325	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-	1	1	1								
3837	31330	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-, sec-butyl ester	1	1	1	1							
3838	31327	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-, ethyl ester	2	2	2	1							
3839	31329	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-, isopropyl ester	1	2	1	1							
3840	31326	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-, methyl ester	1	1	1	1							
3841	31328	Cyclohexanecarboxylic acid, 4,5-dibromo-2-methyl-, propyl ester	1	2	1	1							
3842	31331	Cyclohexanecarboxylic acid, 4,5-dichloro-2-methyl-, sec-butyl ester	1	1	1								
3843	21687	Cyclohexanecarboxylic acid, 2-methyl-, 2-chloroethyl ester			2	1		1		1	1	1	1
3844	24615	Cyclohexene, 4-(1-chloro-1-methylethyl)-1-(2,2,2-trichloroethyl)-	1			1							
3845	21693	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-bromoethyl ester	1		3	1		1		2	1	1	1
3846	21348	3-Cyclohexene-1-carboxylic acid, 6-methyl-, 2-chloroethyl ester			3			1					
3847	21672	4-Cyclohexene-1,2-dicarboxylic acid, cis-, bis(2-chloroethyl) ester	1	1	3			1				1	1
3848	30662	2-Cyclohexene-1-hexanoic acid, 2-bromoethyl ester	1	1	1	1	1						
3849	21730	2-Cyclohexene-1-hexanoic acid, 2-chloroethyl ester	1		1	2		1		1	2	1	1
3850	23448	Cyclopentane, bromo-	1	1	2	1							
3851	24692	Cyclopentane, 1,1-dichloro-2-vinyl-					1			1	1		
3852	21746	Cyclopentanecarboxylic acid, 1-hydroxy-, 2-chloroethyl ester	1		1			1					
3853	21756	Cyclopentanecarboxylic acid, 2-oxo-, 2-chloroethyl ester	1		1			1					
3854	30535	3-Cyclopentene-1-carboxylic acid, 3-butyl-1-chloro-4-methyl-2-oxo-, ethyl ester	1	1	1	1	1						
3855	31459	Cyclopropane, 1-(bromomethyl)-2,2-dimethyl-3-(2-methylpropenyl)-	1	1	1	2							
3856	30684	Cyclopropanecarboxylic acid, 3-(1,2-dibromo-2-methylpropyl)-2,2-dimethyl-6-bromopiperonyl ester	1				1						
3857	16225	Dieldrin	1				1						
3858	31426	m-Dioxane, 2-(2-bromo-4,5-methylene-dioxyphenyl)-	2	2	3								
3859	31156	m-Dioxane, 5-butyl-2-(o-chlorophenyl)-5-ethyl-	1	1	1	1							
3860	31525	m-Dioxane, 5-butyl-2-(p-chlorophenyl)-5-ethyl-	2	1	1	1							
3861	31687	m-Dioxane, 2-(chloromethyl)-5-ethyl-5-methyl-	1	1	1	1							
3862	30250	m-Dioxane, 4-(chloromethyl)-4-methyl-	2	1	1	1	1					1	1
3863	31530	m-Dioxane, 2-(chloromethyl)-4,5,5-trimethyl-	1	1	1	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3864	31531	<i>m</i> -Dioxane, 2-(chloromethyl)-4,4,6-trimethyl-.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
3865	31280	<i>m</i> -Dioxane, 2-(<i>o</i> -chlorophenyl)-5,5-diethyl-.....	1	1	1	1	-----	-----	-----	-----	-----	1	1
3866	31676	<i>m</i> -Dioxane, 2-(<i>p</i> -chlorophenyl)-5-ethyl-5-methyl-.....	1	1	1	2	-----	-----	-----	-----	-----	-----	-----
3867	31520	<i>m</i> -Dioxane, 2-(<i>o</i> -chlorophenyl)-4,5,5-trimethyl-.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
3868	31521	<i>m</i> -Dioxane, 2-(<i>p</i> -chlorophenyl)-4,5,5-trimethyl-.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
3869	30385	<i>m</i> -Dioxane, 2-(2,4-dichlorophenyl)-.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3870	30364	<i>m</i> -Dioxane, 2-(2,4-dichlorophenyl)-4,6-dimethyl-.....	1	-----	1	1	1	-----	-----	-----	-----	-----	-----
3871	30373	<i>m</i> -Dioxane, 2-(2,4-dichlorophenyl)-5,5-dimethyl-.....	1	-----	1	1	1	-----	-----	-----	-----	-----	-----
3872	30353	<i>m</i> -Dioxane, 2-(2,4-dichlorophenyl)-4-methyl-.....	2	-----	2	1	1	-----	-----	-----	-----	-----	-----
3873	31363	1,3-Dioxolane, 2-(2-bromo-4,5-methylenedioxyphenyl)-4-methyl-.....	2	1	1	1	-----	-----	-----	-----	-----	1	1
3874	31357	1,3-Dioxolane, 2-(2-chloro-4,5-methylenedioxyphenyl)-4-methyl-.....	2	2	1	1	-----	-----	-----	-----	-----	1	1
3875	30333	1,3-Dioxolane, 2-(2,4-dichlorophenyl)-.....	1	1	1	1	1	-----	-----	-----	-----	-----	-----
3876	30352	1,3-Dioxolane, 2-(2,4-dichlorophenyl)-4,5-dimethyl-.....	-----	-----	-----	1	1	-----	-----	-----	-----	-----	-----
3877	30334	1,3-Dioxolane, 2-(2,4-dichlorophenyl)-4-methyl-.....	1	1	1	1	1	-----	-----	-----	-----	-----	-----
3878	31820	1,3-Dioxolane-4-butanol, 2-(<i>p</i> -chlorophenyl)-.....	1	1	1	-----	-----	-----	-----	-----	-----	-----	-----
3879	24474	Ethane, chloro-.....	-----	1	-----	-----	-----	-----	-----	-----	-----	-----	-----
3880	31449	Ethanol, 2-(2-chloro-4,5-methylenedioxyphenoxy)-.....	2	1	1	1	-----	-----	-----	-----	-----	-----	-----
3881	31399	Ethanol, 2-(2-chloro-4,5-methylenedioxyphenoxy)-, acetate.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
3882	20737	Ether, benzyl 4-chlorobutyl.....	-----	-----	-----	1	1	1	2	1	1	-----	-----
3883	11666	Ether, benzyl 2-chloroethyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3884	2499	Ether, 2-biphenyl 2-chloroallyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3885	3615	Ether, 4-biphenyl 2-chloroallyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3886	3402	Ether, 2-biphenyl 3-chloro-2-methylpropyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3887	17837	Ether, bis(2-bromoethyl).....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3888	16504	Ether, bis(4-chlorobutyl).....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3889	4504	Ether, bis(2-chloroethyl).....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3890	9163	Ether, bis[2-(<i>p</i> -chlorophenoxy)ethyl].....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3891	18183	Ether, bis(1-chloro-2-propyl).....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3892	1963	Ether, bromophenyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3893	7825	Ether, <i>p</i> -bromophenyl 3-bromopropyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3894	5894	Ether, <i>p</i> -bromophenyl butyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3895	2498	Ether, 4- <i>tert</i> -butyl-2-chlorophenyl 2-chloroethyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3896	2509	Ether, 4- <i>tert</i> -butyl-2-chlorophenyl 3-chloro-2-methylpropyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3897	2521	Ether, 2-chloroethyl 2-cyclohexylphenyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3898	9108	Ether, 2-chloroethyl 2-(2,5-diisobutylphenoxy)ethyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3899	3952	Ether, chloroethyl terpinyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3900	17424	Ether, 3-chloropropyl phenyl.....	-----	-----	-----	-----	1	-----	-----	-----	-----	-----	-----
3901	25139	Furan, 3,4-dichlorotetrahydro-2,2,5,5-tetramethyl-.....	1	1	1	2	1	-----	-----	1	1	-----	-----
3902	31210	2-Furoic acid, 6-bromo- α -(1-bromoethyl)piperonyl ester.....	-----	1	1	2	1	-----	-----	-----	1	1	1
3903	25048	Glyoxal, (<i>p</i> -bromophenyl)-, hemihydrate.....	1	1	1	1	-----	-----	-----	-----	-----	-----	-----
3904	30741	Heptanoic acid, 2-bromoethyl ester.....	2	1	1	1	1	-----	-----	-----	-----	-----	-----

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3905	30740	Heptanoic acid, 2-chloroethyl ester	1	1	1	1	1						
3906	30541	5-Hepten-2-one, 6-chloro	1	1	1	1	1						
3907	30530	Hexane, 2,3-dibromo-2,5-dimethyl	2	1	2	2	1						
3908	21397	Hexanoic acid, 2,3-dibromopropyl ester	1			1		1				1	1
3909	21373	Hexanoic acid, 2-bromo-, benzyl ester	2		1	1		1				1	1
3910	21391	Hexanoic acid, 2-bromo-, 2-bromoethyl ester	1			1		1				1	1
3911	21389	Hexanoic acid, 2-bromo-, 2-butoxyethyl ester	1		1	1		1				1	1
3912	21356	Hexanoic acid, 2-bromo-, butyl ester	1		1	1		1				1	1
3913	21376	Hexanoic acid, 2-bromo-, cyclohexyl ester	1		1	1							
3914	21971	Hexanoic acid, 2-bromo-, 3-methoxybutyl ester	2	1	1	1		1				1	1
3915	21377	Hexanoic acid, 2-bromo-, phenethyl ester	1		1	1		1				1	1
3916	21392	Hexanoic acid, 2-bromo-, 3-phenylpropyl ester	1			1		1				1	1
3917	21355	Hexanoic acid, 2-bromo-, propyl ester	1		2	1		1				1	1
3918	21390	Hexanoic acid, 2-bromo-, tetrahydrofurfuryl ester	1		1	1		1				1	1
3919	24625	Hexanophenone, 5'-chloro-2'-hydroxy-3,5,5-trimethyl	1			1							
3920	30531	4-Hexenoic acid, 2-acetyl-5-chloro-, ethyl ester	1	1	1	1							
3921	25151	3-Hexyne-2,5-diol, 2,5-bis(<i>p</i> -chlorophenyl)-	2	1	1	1	1	1		1	1		
3922	15490	Hydroquinone, tetrachloro-	2		2	1							
3923	30497	Isobutyric acid, 2-(allyloxy)-1-(chloromethyl)ethyl ester	1		2	1	1					1	1
3924	19790	Isobutyric acid, 2-bromoethyl ester	1		1			1					
3925	21665	Isobutyric acid, 4- <i>tert</i> -butyl-2-chlorophenyl ester			1	1		1				1	1
3926	20521	Isobutyric acid, <i>p</i> -chlorobenzyl ester	1		1			1	2	2	1		
3927	19788	Isobutyric acid, 2-chloroethyl ester	1		1			1					
3928	30367	Isobutyric acid, 2-(<i>o</i> -chlorophenoxy)-1-methylethyl ester	1		1	1	1					1	1
3929	21546	Isobutyric acid, <i>o</i> -chlorophenyl ester	2		3	1		1					
3930	30965	Isobutyric acid, 2,3-dibromo-1,1-dimethylpropyl ester	1	1	1	1	1						
3931	30513	Isobutyric acid, 2,3,4,6-tetrachlorophenyl ester	1		1	1	1					1	1
3932	30595	Isovaleric acid, 2-bromoethyl ester	1	1	3	1	1						
3933	31477	Isovaleric acid, <i>p</i> -bromophenyl ester	1	1	2	1							
3934	30594	Isovaleric acid, 2-chloroethyl ester	1	1	2	1	1						
3935	31425	Isovaleric acid, <i>p</i> -chlorophenyl ester	1	1	1	1							
3936	3484	Lauric acid, 2-chloroethyl ester					1						
3937	20052	Mandelic acid, <i>o</i> -chloro-, cyclohexyl ester	1			1							
3938	20053	Mandelic acid, <i>o</i> -chloro-, isopropyl ester	1										
3939	20038	Mandelic acid, 2,4-dichloro-, ethyl ester	1			1							
3940	3493	Myristic acid, 2-chloroethyl ester					1						
3941	21061	Naphthalene, 1,2,3,4-tetrachloro-1,2,3,4-tetrahydro-	1			1							
3942	31039	1-Naphthoic acid, 6-bromo- <i>alpha</i> -(1-bromoethyl)piperonyl ester					1						
3943	30700	1-Naphthoic acid, 2-bromo-4,5-methylenedioxyphenyl ester					1						
3944	31075	1-Naphthoic acid, 2,2,2-trifluoroethyl ester	1	1	1	1	1						
3945	31002	Octanoic acid, 2-bromoethyl ester	1	1	1	1	1						
3946	31055	Octanoic acid, <i>p</i> -bromophenyl ester	1	1	1	2	1						
3947	30985	Octanoic acid, 2-chloroethyl ester	1	1	1	1	1						
3948	31052	Octanoic acid, <i>o</i> -chlorophenyl ester	2	1	1	2	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3949	31054	Octanoic acid, <i>p</i> -chlorophenyl ester	1	1	1	2	1						
3950	30527	Octanoic acid, 7-chloro-3-oxo-, ethyl ester	1	1	1	1	1						
3951	3502	Palmitic acid, 2-chloroethyl ester					1						
3952	24334	Pentane, 1-chloro-	2	1			1						
3953	30532	4-Pentenoic acid, 2-acetyl-5-chloro-, ethyl ester	1	1	1	1	1						
3954	17445	Phenethyl alcohol, <i>p</i> -chloro-, acetate					1						
3955	20607	Phenethyl alcohol, <i>o</i> -chloro- <i>alpha</i> , <i>alpha</i> -dimethyl-					1		1	1	1		
3956	31448	Phenetole, <i>beta</i> -bromo-2-chloro-4,5-methylenedioxy-	1	1	1								
3957	30616	Phenol, 2-bromo-4,5-methylenedioxy-, acetate	2	1	2	1							
3958	30692	Phenol, 2-bromo-4,5-methylenedioxy-, benzoate					1						
3959	24559	Phenol, 2- <i>tert</i> -butyl-4-chloro-5-isopropyl-	1		1	1	1						
3960	23961	Phenol, <i>m</i> -chloro-	1			1							
3961	9060	Phenol, <i>o</i> -chloro-	2			1							
3962	3806	Phenol, <i>o</i> -chloro-, benzoate	1			1							
3963	19422	Phenol, <i>p</i> chloro-	1			1		1					
3964	78	Phenol, 2,4-dichloro-	2			1							
3965	25181	Phenol, 4,4'-isopropylidenebis[2,6-dichloro-	1	1	1	1	1			1		1	1
3966	22331	Phenol, 2,3,5,6-tetrachloro-	1	1	1	1				2	1		
3967	14896	Phenol, 2,4,6-tribromo-					1						
3968	17539	Phenol, 2,4,6-trichloro-, acetate			1								
3969	30724	Phosphoric acid, 2-bromo-4,5-methylene-dioxyphenyl diethyl ester					1						
3970	21175	Piperonal, 6-bromo-	1			1		1					
3971	21540	Piperonal, 6-chloro-	1		1	1							
3972	31212	Piperonyl alcohol, 6-bromo- <i>alpha</i> -(1-bromoethyl)-, acetate	1	1	1	1						1	1
3973	31213	Piperonyl alcohol, 6-bromo- <i>alpha</i> -(1-bromoethyl)-, benzoate	1	1	1	1						1	1
3974	31811	Piperonyl alcohol, 6-bromo- <i>alpha</i> -morpholinoethyl-	1	1	1								
3975	21561	Piperonyl alcohol, 6-chloro-	1		1	1		1				1	1
3976	21873	Piperonyl alcohol, 6-chloro-, acetate						1					
3977	21177	Piperonyl bromide, 6-bromo-	1			1		1					
3978	20875	Piperonyl chloride, 6-propenyl-				1	1	1		1	2		
3979	30754	Propane, 2-chloro-2-methyl-					1						
3980	30938	Propane, 1,2-dibromo-1-(2-bromo-4,5-methylenedioxyphenyl)-	1	1	1	1							
3981	30936	Propane, 1,2-dibromo-3-(3,4-methylene-dioxyphenyl)-	1	1	1	1							
3982	24623	1,2-Propanediol, 3-(<i>p</i> -chlorophenoxy)-	1			1							
3983	30717	1-Propanol, 3-(2-bromo-4,5-methylene-dioxyphenyl)-2-methyl-, acetate					1						
3984	30903	1-Propanol, 2,3-dibromo-1,1-dimethyl-, acetate					1						
3985	30494	2-Propanol, 1-(allyloxy)-3-chloro-, acetate	1		2	1	1					1	1
3986	30491	2-Propanol, 1-(allyloxy)-3-chloro-, formate	1		1	1	1					1	1
3987	30393	2-Propanol, 1-(<i>o</i> -chlorophenoxy)-, acetate	1		1	1	1						
3988	30413	2-Propanol, 1-(<i>o</i> -chlorophenoxy)-, formate	1		1	1	1						
3989	25036	Propionaldehyde, 2,2,3-trichloro-	1	1	1	1							
3990	30339	Propionaldehyde, 2,2,3-trichloro-, diethyl acetal	1	2	1	1	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
3991	30495	Propionic acid, 2-(allyloxy)-1-(chloromethyl)ethyl ester	1		2	1	1					1	1
3992	20020	Propionic acid, 3-bromo-4-biphenyl ester	1			1		1					
3993	31026	Propionic acid, 6-bromo- <i>alpha</i> -(1-bromoethyl)piperonyl ester					1						
3994	20018	Propionic acid, 2-bromo-4- <i>tert</i> -butylphenyl ester	1			1		1					
3995	30663	Propionic acid, 2-bromo-4,5-methylene-dioxyphenyl ester					1						
3996	20525	Propionic acid, <i>p</i> -chlorobenzyl ester	1		2			1					
3997	30394	Propionic acid, 2-(<i>o</i> -chlorophenoxy)-1-methylethyl ester	1			1	1						
3998	21393	Propionic acid, 2,3-dibromopropyl ester	1			1		1				1	1
3999	21197	Propionic acid, 2-bromo-, benzyl ester	2		2	1		1				1	1
4000	21242	Propionic acid, 2-bromo-, 2-bromoethyl ester			1	1		1					
4001	21239	Propionic acid, 2-bromo-, 2-(2-butoxyethoxy)ethyl ester			1	1		1					
4002	21238	Propionic acid, 2-bromo-, 2-butoxyethyl ester			1	1		1					
4003	21278	Propionic acid, 2-bromo-, 2- <i>sec</i> -butylcyclohexyl ester	1			1		1					
4004	21287	Propionic acid, 2-bromo-, 4- <i>sec</i> -butylcyclohexyl ester	1			1		1				1	1
4005	21299	Propionic acid, 2-bromo-, 2-(<i>p</i> - <i>tert</i> -butylphenoxy)ethyl ester	1		1	1		1					
4006	21241	Propionic acid, 2-bromo-, 2-chloroethyl ester			1	1		1					
4007	21248	Propionic acid, 2-bromo-, <i>p</i> -chlorophenethyl ester	1			1		1				1	1
4008	21307	Propionic acid, 2-bromo-, 2-(<i>o</i> -chlorophenoxy)-1-methylethyl ester	1		1	1		1				1	1
4009	21332	Propionic acid, 2-bromo-, 2-(<i>p</i> -chlorophenoxy)-1-methylethyl ester	1		1	1						1	1
4010	21199	Propionic acid, 2-bromo-, cyclohexyl ester	1		1	1		1		1	1	1	1
4011	21236	Propionic acid, 2-bromo-, cyclopentyl ester			1	1		1					
4012	21395	Propionic acid, 2-bromo-, 2,3-dibromopropyl ester	1			1		1				1	1
4013	21305	Propionic acid, 2-bromo-, diester with 1,5-pentanediol	1		1	1		1				1	1
4014	21277	Propionic acid, 2-bromo-, 2-ethylbutyl ester	1			2		1					
4015	21306	Propionic acid, 2-bromo-, 4-ethyl-1-methyloctyl ester	1		1	1		1					
4016	21237	Propionic acid, 2-bromo-, 1-ethylpentyl ester			1	1		1					
4017	21207	Propionic acid, 2-bromo-, hexyl ester	1		2	1		1					
4018	21927	Propionic acid, 2-bromo-, 3-methoxybutyl ester	1		1	1		1					
4019	21208	Propionic acid, 2 bromo-, 2-methoxyethyl ester	1			1		1					
4020	21294	Propionic acid, 2-bromo-, 1-methoxy-2-propyl ester	1		1	1		1					
4021	21260	Propionic acid, 2-bromo-, 4-methylcyclohexyl ester	2			1		1					
4022	21240	Propionic acid, 2-bromo-, 2-phenoxyethyl ester			1	1		1				1	1
4023	21206	Propionic acid, 2-bromo-, tetrahydrofurfuryl ester	1		1	1		1					

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		HALOGEN-CONTAINING COMPOUNDS— Continued											
4024	30431	Propionic acid, 3-bromo-, ethyl ester	1		1	1	1						
4025	21929	Propionic acid, 2-chloro-, 3-methoxybutyl ester	1	1	2	1		1					
4026	21192	Propionic acid, 2-chloro-, tetrahydropyran-2-ylmethyl ester	1		1	1		1					
4027	21930	Propionic acid, 3-chloro-, 3-methoxybutyl ester	1	1	2	1		1					
4028	18791	Propionic acid, 3-chloro-, 2-methylpentyl ester			1								
4029	21193	Propionic acid, 3-chloro-, tetrahydropyran-2-ylmethyl ester	1		1	1		1					
4030	19455	Propionic acid, 3-ethoxy-, 2,2,2-trichloroethyl ester			1			1					
4031	21060	Propionic acid, 3-iodo-	1			1							
4032	21795	Sorbic acid, 2-bromoethyl ester	1		1	1		1				1	1
4033	21777	Sorbic acid, 2-chloroethyl ester	1		1	1		1				1	1
4034	24375	Styrene, <i>beta</i> -bromo-	1										
4035	2899	Sulfide, bis(<i>p</i> -chlorophenyl)				1							
4036	14299	Sulfone, benzyl <i>p</i> -chlorophenyl	1	1	1	1							
4037	14297	Sulfone, bis(<i>p</i> -chlorobenzyl)	1	1	1	1							
4038	1386	Sulfone, bis(<i>p</i> -chlorophenyl)	1	1	1	1							
4039	14296	Sulfone, <i>p</i> -chlorobenzyl <i>p</i> -chlorophenyl	1	1	1	1							
4040	14298	Sulfone, <i>p</i> -chlorobenzyl phenyl	2	1	1	1							
4041	8607	Sulfone, chloromethyl <i>p</i> -chlorophenyl	1	1	1	1							
4042	9778	Sulfone, chloromethyl phenyl	1	1	1	1							
4043	17941	Sulfone, <i>p</i> -chlorophenyl phenyl				1							
4044	31371	Toluene, 2-bromo- <i>alpha</i> -2-(2-butoxyethoxy)ethoxy-4,5-methylenedioxy-	1	1	1	1						1	1
4045	31352	Toluene, 2-bromo- <i>alpha</i> -(2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethoxy)-4,5-methylenedioxy-										1	1
4046	31367	Toluene, 2-chloro- <i>alpha</i> -(2,2-dimethyl-3-(2-methylpropenyl)cyclopropylmethoxy)-4,5-methylenedioxy-	2	2	1	1							
4047	21162	Toluene, <i>alpha</i> -chloro- <i>p</i> -ethoxy-					1						
4048	31450	<i>alpha</i> -Toluenethiol, 2-bromo-4,5-methylenedioxy-	1	1	1	1							
4049	31458	<i>alpha</i> -Toluenethiol, 2,4-dichloro-	1	1	1	1							
4050	30107	<i>m</i> -Toluic acid, 2-bromoethyl ester	1		1	1	1			1	1	1	1
4051	30103	<i>m</i> -Toluic acid, 2-chloroethyl ester	1		1	1	1			1	1	1	1
4052	21985	<i>o</i> -Toluic acid, 2-bromoethyl ester	1	1	1	1		1					
4053	21771	<i>o</i> -Toluic acid, 2-chloroethyl ester	1		1	1		1					
4054	31188	<i>o</i> -Toluic acid, <i>o</i> -chlorophenyl ester	1	2	1	1							
4055	31193	<i>o</i> -Toluic acid, 2,4,5-trichlorophenyl ester	1	1	1	1						1	1
4056	31121	<i>p</i> -Toluic acid, 2-bromoethyl ester	1	1	1	1						1	1
4057	31119	<i>p</i> -Toluic acid, 2-chloroethyl ester	1	1	1	1							
4058	23975	Undecane, 1-iodo-	1		1	1							
4059	30514	Valeric acid, 2-bromoethyl ester	1		2	1	1					1	1
4060	30515	Valeric acid, 2-chloroethyl ester	1		1	1	1					1	1
4061	30587	Valeric acid, 2-(<i>o</i> -chlorophenoxy)-1-methylethyl ester	1	1	2	1	1						
4062	30027	Valeric acid, 2-methyl-, 2-bromoethyl ester	1	1	1	1						1	1
4063	30026	Valeric acid, 2-methyl-, 2-chloroethyl ester	1	1	1	1							
4064	31288	Veratraldehyde, 6-bromo-	1	1	1	1				1			
4065	21224	Veratrole, 4-bromo-	3		2	1		1				1	1
4066	31490	Xanthic acid, ethyl-, 6-chloropiperonyl ester	2	1	1	1							
4067	19378	<i>p</i> -Xylene, <i>alpha, alpha'</i> -dichloro-				1		1					
4068	24558	2,6-Xylenol, 4-chloro-	1		1	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
GROUP 10.—SULFUR-CONTAINING COMPOUNDS													
4069	24151	Acetic acid, mercapto-----	1	1	1	1							
4070	25085	Acetic acid, thiodi-----	1	1	1	1							
4071	16634	Benzene, 1,2-methylenedioxy-4-[2-(octyl-sulfinyl)propyl]-----	3	2	2	1							
4072	4678	Benzenesulfonic acid, 2-naphthyl ester-----					1	1					
4073	3811	Benzenesulfonic acid, phenyl ester-----	3			1							
4074	25261	Benzenesulfonic acid, 4-hydroxy-3-methyl-----	1	1	1	1				1		1	
4075	15418	Benzenethiol-----	1	1	1	1				2	2		
4076	23963	Benzoic acid, o-mercapto-----	1			1							
4077	31295	1,3-Butanedione, 4,4,4-trifluoro-1-(2-thienyl)-	1	1	2	1						1	1
4078	3387	Butyl sulfone-----	1			1							
4079	31453	Butyric acid, 2-(ethylthio)ethyl ester-----	1	1	1	1							
4080	23953	10-Camphorsulfonic acid, d-----	1			1							
4081	31391	m-Dioxane, 2,4-dimethyl-2-(2-thienyl)-	2	1	1	1							
4082	24892	Disulfide, bis(2-methylallyl)-----	1		3	1							
4083	31451	Ethanol, 2-ethylthio-, acetate-----	1	1	1	1							
4084	7251	Lauric acid, sulfonyldiethylene diester-----					1						
4085	31452	Propionic acid, 2-(ethylthio)ethyl ester-----	1	1	1	1							
4086	18246	Salicylic acid, 5-sulfo-----	1	2									
4087	24893	Sulfide, bis(2-methylallyl)-----	1		3	1							
4088	31298	Thiocyanic acid, 2-(o-isopropylphenoxy)-ethyl ester-----	2	2	2	1							
4089	21059	Thiophene, 2,5-dihydro-2,4-dimethyl-, 1,1-dioxide-----	1			1							
4090	30989	Thiophene, tetrahydro-----	1	1	1	1	1						
4091	25043	2-Thiopheneglyoxylaldehyde, hydrate-----	1	1	2	1							
4092	30381	o-Toluenesulfonic acid, butyl ester-----	1		3	1	1						
4093	25191	Toluenethiol-----	2	1	1	1				2	2		
4094	31463	Xanthic acid, ethyl-, allyl ester-----	1	1	1	2							
4095	31466	Xanthic acid, ethyl-, cyclopentyl ester-----	1	1	1	1							
4096	31464	Xanthic acid, ethyl-, isopropyl ester-----	1	1	1	1							
4097	31462	Xanthic acid, ethyl-, methyl ester-----	2	1	1	1							
4098	31467	Xanthic acid, ethyl-, phenethyl ester-----	2	2	1	1							
4099	31465	Xanthic acid, ethyl-, 2-propynyl ester-----	2	1	1	2							
4100	25192	Xylenethiol-----	1	1	1	1				2	2		
GROUP 11.—PHOSPHORUS-CONTAINING COMPOUNDS													
4101	30941	Phosphoric acid, allyl diethyl ester-----					1						
4102	30962	Phosphoric acid, diethyl 3,4-dimethylbenzyl ester-----					1						
4103	30942	Phosphoric acid, diethyl 2-methylallyl ester-----					1						
4104	30939	Phosphoric acid, diethyl m-methylbenzyl ester-----					1						
4105	30575	Phosphoric acid, diethyl 3,4-methylene-dioxyphenyl ester-----	2	1	2	1	1						
4106	30940	Phosphoric acid, diethyl 2-propynyl ester-----					1						
4107	653	Phosphoric acid, triethyl ester-----	1			1	1						
4108	4490	Phosphoric acid, tri-p-tolyl ester-----	1		1	1							
GROUP 12.—MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION													
4109	30943-X	<i>Abies religiosa</i> , ether extractive (of ethanol extractive)-----				2							
4110	30945-X	<i>Abies religiosa</i> , marc from chloroform extractive of 30943-X-----				1							
4111	21592-X	<i>Achillea millefolium</i> flowers, ethyl ether extractive-----	2										
4112	21378-X	<i>Aframomum melegueta</i> , ethyl ether extractive-----	2		2								

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4113	24884-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4114	24885-X	Alamine 21D, a distilled primary coco amine.....	1	1	1	1						1	1
4115	24886-X	Alamine 26D, a distilled primary tallow amine.....	2	2	1	1						1	1
4116	24164-X	Alamine H26D, a distilled primary hydrogenated tallow amine.....		2	1	1						1	1
4117	25110-X	Aldo 28.....	2										
4118	25111-X	Aliquat 211 dicoco dimethyl ammonium chloride, 75 percent.....	1	1	2	1	1						
4119	25109-X	Aliquat H226 dihydrogenated tallow dimethyl ammonium chloride, 75 percent.....	2	1	1	1	1						
4120	21365-X	Aliquat 26 monotallow trimethyl ammonium chloride, 50 percent.....	1	1	1	1	1						
4121	30340-X	<i>Alkanna tinctoria</i> roots, ethanol extractive.....	2		1								
4122	21939-X	<i>Alnus serrulata</i> bark, ethanol extractive.....	1	1	1	1							
4123	21857-X	<i>Alnus serrulata</i> bark, ethyl ether extractive.....	2	1	2	1							
4124	24195-X	<i>Alpinia officinarum</i> roots, ethyl ether extractive.....	2		3	1	1						
4125	24404-X	Ambergris, synthetic.....	1		1								
4126	16242	Amsco Solvent H-CC.....			1	1							
4127	24405-X	Amsco Solvent H-La.....			2	1							
4128	21940-X	Amsco Solvent HT.....			1	1							
4129	30478-X	<i>Anaphalia margaritacea</i> , ethanol extractive.....	2	2	3	2							
4130	21863-X	<i>Anaphalia margaritacea</i> , ethanol extractive, chloroform-insoluble fraction.....				2							
4131	30479-X	<i>Anaphalia margaritacea</i> , ethyl ether extractive.....	1		2	1							
4132	21711-X	<i>Anaphalia margaritacea</i> , chloroform extractive.....				2							
4133	21319-X	<i>Andropogon sorghum</i> seeds, ethyl ether extractive.....	2		2								
4134	30472-X	<i>Anethum graveolens</i> seeds, ethyl ether extractive.....	2		1								
4135	30404-X	<i>Angelica atropurpurea</i> roots, ethanol extractive.....	2	2	2	1							
4136	30471-X	<i>Angelica atropurpurea</i> roots, ethyl ether extractive.....	1	2	3	1	1						
4137	30341-X	<i>Angelica atropurpurea</i> seeds, ethanol extractive.....	2	2	2	1							
4138	30304-X	<i>Angelica atropurpurea</i> seeds, ethyl ether-soluble fraction.....	1	1	1	2							
4139	30635-X	<i>Angelica atropurpurea</i> seeds, pentane extractive.....	1	3	1	2							
4140	30637-X	<i>Angelica breweri</i> seeds (Greenville), steam distillate.....	2	1	3								
4141	30636-X	<i>Angelica breweri</i> seeds (Hatchet Mt.), ether extractive.....	2	1	3	1							
4142	30634-X	<i>Angelica breweri</i> seeds (Hatchet Mt.), pentane extractive.....	2	1	3	1							
4143	30633-X	<i>Angelica breweri</i> seeds (Virgilia), ether extractive.....	2	1	2	1							
4144	31597-X	<i>Angelica breweri</i> seeds (Virgilia), pentane extractive.....	2	2	2	2							
4145	31599-X	<i>Angelica breweri</i> seeds, pentane extractive, basic fraction.....				1							
4146	31598-X	<i>Angelica breweri</i> seeds, pentane extractive, free acid fraction.....				2							
		<i>Angelica breweri</i> seeds, pentane extractive, neutral fraction.....				2							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4147	31600-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4148	30629-X	<i>Angelica breweri</i> seeds, pentane extractive, phenolic fraction				2							
4149	30628-X	<i>Angelica hendersonii</i> seeds (Jenner), ether extractive	2	1	2	1	1						
4150	30640-X	<i>Angelica hendersonii</i> seeds (Jenner), pentane extractive	1	1	2	2							
4151	30626-X	<i>Angelica hendersonii</i> seeds (Jenner), steam distillate	2	1	3	1							
4152	30625-X	<i>Angelica hendersonii</i> seeds (San Gregorio), ether extractive	2	2	2	1							
4153	30624-X	<i>Angelica hendersonii</i> seeds (San Gregorio), pentane extractive	2	2	2	1							
4154	31469-X	<i>Angelica hendersonii</i> seeds (San Gregorio), pentane extractive, solid form	1	2	1	1							
4155	31468-X	<i>Angelica hendersonii</i> seeds, free acid fraction				1							
4156	31470-X	<i>Angelica hendersonii</i> seeds, neutral fraction				2							
4157	30547-X	<i>Angelica hendersonii</i> seeds, phenolic fraction				1							
4158	30548-X	<i>Angelica officinalis</i> roots (Belgian), pentane extractive	1	1	3	1							
4159	30546-X	<i>Angelica officinalis</i> roots (Belgian), pentane extractive (acetone-soluble fraction)	2	1	1	1							
4160	30556-X	<i>Angelica officinalis</i> roots (Belgian), steam distillate	1	1	3								
4161	30552-X	<i>Angelica officinalis</i> root oil (Longeval)				1							
4162	30551-X	<i>Angelica officinalis</i> seeds (Belgian), carbon tetrachloride-recrystallized solid	2	1	1	1							
4163	30550-X	<i>Angelica officinalis</i> seeds (Belgian), hexane-recrystallized solid	2	1	1	2							
4164	30549-X	<i>Angelica officinalis</i> seeds (Belgian), pentane extractive	1	1	2	1							
4165	30548-X	<i>Angelica officinalis</i> seeds (Belgian), steam distillate	1	1	2								
4166	30554-X	<i>Angelica officinalis</i> seeds (French), pentane extractive	1	1	3	1							
4167	30553-X	<i>Angelica officinalis</i> seeds (French), steam distillate	3	1	3	1							
4168	30557-X	<i>Angelica officinalis</i> seed oil (Camilli)				1							
4169	30555-X	<i>Angelica officinalis</i> seed oil (Longeval)				1							
4170	30558-X	<i>Angelica officinalis</i> seed oil (Longeval 2287)				1							
4171	30469-X	<i>Angelica</i> sp. (I) roots, ethanol extractive	2	2	2								
4172	30470-X	<i>Angelica</i> sp. (II) roots, ethanol extractive	2	2	2								
4173	30305-X	<i>Angelica</i> sp. (I) roots, pentane extractive	1	1	3								
4174	30408-X	<i>Angelica</i> sp. (II) roots, pentane extractive	1		1								
4175	30467-X	<i>Angelica</i> sp. (I) seeds, ethanol extractive	2	2	2								
4176	30468-X	<i>Angelica</i> sp. (II) seeds, ethanol extractive	2	2	2								
4177	30409-X	<i>Angelica</i> sp. (I) seeds, pentane extractive	1		2								
4178	30410-X	<i>Angelica</i> sp. (II) seeds, pentane extractive	1		3								
4179	30474-X	<i>Angelica tomentosa</i> roots, ethanol extractive	2	2	2	1							
4180	30405-X	<i>Angelica tomentosa</i> roots, ethyl ether extractive	1		1	1							
4180	30473-X	<i>Angelica tomentosa</i> seeds, ethanol extractive	2	1	2	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4181	30406-X	<i>Angelica tomentosa</i> seeds, pentane extractive (slightly-soluble solid)	1		2	1							
4182	30407-X	<i>Angelica tomentosa</i> seeds, pentane extractive (soluble)	1		2	1	1						
4183	30639-X	<i>Angelica tomentosa</i> seeds (Philo), ether extractive	2	2	2								
4184	30638-X	<i>Angelica tomentosa</i> seeds (Philo), pentane extractive	1	2	2								
4185	30476-X	<i>Annona reticulata</i> leaves, ethanol extractive	2	2	2	2							
4186	30520-X	<i>Annona reticulata</i> leaves, basic fraction				1							
4187	30306-X	<i>Annona reticulata</i> leaves, ethyl ether extractive	1	1	1	2							
4188	30521-X	<i>Annona reticulata</i> leaves, free acid fraction					1						
4189	30519-X	<i>Annona reticulata</i> leaves, neutral fraction				2	1						
4190	30522-X	<i>Annona reticulata</i> leaves, phenolic fraction				1							
4191	21363-X	<i>Apium graveolens</i> seeds, ethanol extractive	2		2								
4192	21318-X	<i>Apium graveolens</i> seeds, ethyl ether extractive	2		1								
4193	24150-X	Apricot aldehyde	1										
4194	21639-X	<i>Areca catechu</i> nuts, ethanol extractive	1		2	1							
4195	21638-X	<i>Areca catechu</i> nuts, ethyl ether extractive	1		1	1	1						
4196	24500-X	Aromatic Plasticizer 25					1						
4197	21941-X	<i>Asparagus officinalis</i> roots, ethanol extractive	3	2	2	2							
4198	21712-X	<i>Asparagus officinalis</i> roots, ethyl ether extractive	2		2								
4199	24182-X	Aurantol	2		1								
4200	24196-X	Aurantium	1		1								
4201	21641-X	<i>Berberis vulgaris</i> root bark, acetone-soluble fraction	2		2								
4202	21360-X	<i>Berberis vulgaris</i> root bark, ethanol extractive	2		2								
4203	21593-X	<i>Berberis vulgaris</i> root bark, ethyl ether extractive	3										
4204	21832-X	<i>Berberis vulgaris</i> root bark, acidic fraction of 21593-X	2		3								
4205	21831-X	<i>Berberis vulgaris</i> root bark, basic fraction of 21593-X	2		2								
4206	21830-X	<i>Berberis vulgaris</i> root bark, neutral fraction of 21593-X	2		2								
4207	21829-X	<i>Berberis vulgaris</i> root bark, solid fraction of 21593-X	2		2								
4208	21640-X	<i>Berberis vulgaris</i> root bark, water-soluble fraction	1		2								
4209	21642-X	<i>Brassica alba</i> seeds, ethanol extractive	1		2	1	1					1	1
4210	21594-X	<i>Brassica alba</i> seeds, ethyl ether extractive											
4211	21643-X	<i>Brassica nigra</i> seeds, ethanol extractive	1		2	1	1						
4212	21595-X	<i>Brassica nigra</i> seeds, ethyl ether extractive											
4213	30620-X	<i>Buddleia curviflora</i> leaves, ethyl ether extractive	2	3	2	2							
4214	31029-X	<i>Buddleia curviflora</i> leaves, basic fraction of 30620-X	1	2	1								
4215	31031-X	<i>Buddleia curviflora</i> leaves, free acid fraction of 30620-X	2	3	2								
4216	31030-X	<i>Buddleia curviflora</i> leaves, neutral fraction of 30620-X	2	2	2								

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4217	31032-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4218	15436-Xd	<i>Buddleia curviflora</i> leaves, phenolic fraction of 30620-X	2	2	2	1							
4219	21435-X	<i>Calamus</i> distillate	2										
4220	21434-X	<i>Calendula officinalis</i> flowers, ethanol extractive	2										
4221	25118-X	<i>Calendula officinalis</i> flowers, ethyl ether extractive	1										
4222	25118-X	<i>Callitropis araucarioedes</i> , wood oil	1	1	1	1	1						
4222	21644-X	<i>Carya laciniata</i> bark, ethanol extractive			2	1							
4223	21596-X	<i>Carya laciniata</i> bark, ethyl ether extractive	2										
4224	30342-X	<i>Castalia odorata</i> , ethanol extractive				1							
4225	21942-X	<i>Castalia odorata</i> , ethyl ether extractive	2	2	2								
4226	21943-X	<i>Castela texana</i> , ethanol extractive	2	1	2								
4227	21855-X	<i>Castela texana</i> , ethyl ether extractive	2		1	1							
4228	24512-X	<i>Castoreum</i>	2		2								
4229	30483-X	<i>Ceanothus americanus</i> , chloroform extractive				1							
4230	30482-X	<i>Ceanothus americanus</i> , chloroform-insoluble, ethanol extractive				1							
4231	21944-X	<i>Ceanothus americanus</i> root bark, ethanol extractive	2	2	2	2							
4232	21862-X	<i>Ceanothus americanus</i> root bark, ethyl ether extractive	1		1	1							
4233	21714-X	<i>Ceratonia siliqua</i> , ethanol extractive	1		1					1	1		
4234	30477-X	<i>Chamaecyparis lawsoniana</i> wood, ethanol extractive	3	1	2	1							
4235	30307-X	<i>Chamaecyparis lawsoniana</i> wood, ethyl ether extractive	1	1	1	1	1						
4236	21947-X	<i>Chimaphila umbellata</i> , ethanol extractive	2	2	2	1							
4237	21946-X	<i>Chimaphila umbellata</i> , ethyl ether extractive	3	2	3	1							
4238	21945-X	<i>Chimaphila umbellata</i> , solid form of 21946-X	2	1	2	1							
4239	31432-X	Chinaberry leaves and stems, ethanol extractive of molded leaves and stems	2	2	2	2							
4240	31430-X	Chinaberry new berries, ethanol extractive of molded new berries previously extracted with water	2	3	2	1							
4241	31431-X	Chinaberry old bark, ethanol extractive of molded old bark previously extracted with water	1	1	2	2							
4242	31429-X	Chinaberry old berries, ethanol extractive of molded old berries previously extracted with water	2	2	3	1							
4243	21438-X	<i>Chionanthus virginicus</i> root bark, ethanol extractive	1										
4244	21058-X	Chlorophyll, oil-soluble	3	1		1							
4245	21949-X	<i>Chondrodendron tomentosa</i> roots, ethanol extractive	2	2	2	1							
4246	21948-X	<i>Chondrodendron tomentosa</i> roots, ethyl ether extractive	3	3	2	1							
4247	21950-X	<i>Cirsium lanceolatum</i> roots, ethanol extractive	2	2	2	1							
4248	21854-X	<i>Cirsium lanceolatum</i> roots, ethyl ether extractive	3		2								
4249	20023-X	Citral-malonic acid condensate	3		1								
4250	24524-X	<i>l</i> -Citronella oil terpenes	1		1	1							
4251	24525-X	Citronella oil terpenes, Extra	1		1	1							
4252	24590-X	Citronellol terpenes	1		1	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4253	21317-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
		<i>Citrullus vulgaris</i> seeds, ethyl ether extractive	2		1								
4254	24513-X	Civet	2		2								
4255	24591-X	Clove terpenes, redistilled	3		2	1							
4256	30308-X	Coffee cherry fruits, ethyl ether extractive	1	2	2	1	1						
4257	30309-X	Coffee cherry seeds, ethyl ether extractive	1	1	1	1	1						
4258	31240-X	<i>Conioselinum chinense</i> leaves, ethyl ether extractive	3	1	3	1							
4259	31241-X	<i>Conioselinum chinense</i> leaves, ethanol extractive of marc of 31240-X	3	1	3	2							
4260	31242-X	<i>Conioselinum chinense</i> stalks, ethyl ether extractive	2	1	2	2							
4261	31243-X	<i>Conioselinum chinense</i> stalks, ethanol extractive	2	1	2	1							
4262	21597-X	<i>Cornus rugosa</i> bark, ethyl ether extractive	2										
4263	30344-X	<i>Corynanthe yohimbi</i> bark, ethanol extractive				1							
4264	21469-X	Cotton, ethanol extractive of blooms								1	1		
4265	21473-X	Cotton, ethanol extractive of leaves								1			
4266	21471-X	Cotton, ethanol extractive of squares								1			
4267	21468-X	Cotton, ethyl ether extractive of blooms								1	1		
4268	21472-X	Cotton, ethyl ether extractive of leaves								1			
4269	21470-X	Cotton, ethyl ether extractive of squares								1	1		
4270	24406-X	Crowley Tar 800			1	1							
4271	21146-X	Cucumber extract 1 from juice (acetone solution)	1			1							
4272	21147-X	Cucumber extract 2, from dried pulp (acetone solution)	2			1							
4273	21148-X	Cucumber extract 3, from dried pulp (ether solution)			1	1							
4274	21316-X	<i>Cucurbita pepo</i> seeds, ethyl ether extractive	2		1								
4275	24922-X	Cyste resin	1		1								
4276	24923-X	Cyste resin "S"	1		1								
4277	31047-X	<i>Dendrobium superbum</i> flowers, ethanol extractive (of ether-extracted marc)	1	2	2	2							
4278	30993-X	<i>Dendrobium superbum</i> flowers, ethyl ether extractive (acidic fraction)	2	3	2								
4279	30994-X	<i>Dendrobium superbum</i> flowers, ethyl ether extractive (basic fraction)	1	1	1								
4280	31088-X	<i>Dendrobium superbum</i> flowers, ethyl ether extractive (free acid fraction)	2	3	2								
4281	31086-X	<i>Dendrobium superbum</i> flowers, solid form of 31088-X	2	1	2								
4282	30995-X	<i>Dendrobium superbum</i> flowers, ethyl ether extractive (neutral fraction)	1	1	2								
4283	31087-X	<i>Dendrobium superbum</i> flowers, ethyl ether extractive (phenolic fraction)	2	2	2								
4284	31216-X	<i>Dendrobium superbum</i> flowers, pentane-insoluble fraction	2	3	2								
4285	31215-X	<i>Dendrobium superbum</i> flowers, pentane-soluble	1	3	2								
4286	31048-X	<i>Dendrobium superbum</i> stems, ethanol extractive, (of ether-extracted marc)	1	2	2	2							
4287	30996-X	<i>Dendrobium superbum</i> stems, ethyl ether extractive	1	3	2								
4288	31090-X	<i>Dendrobium superbum</i> stems, free acid fraction of 30996-X	2	1	3								

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4289	31343-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4290	31342-X	<i>Dendrobium superbum</i> stems, free acid fraction, pentane-insoluble-----	2	2	3								
4291	31508-X	<i>Dendrobium superbum</i> stems, free acid fraction, pentane-soluble-----	3	3	2								
4292	31507-X	<i>Dendrobium superbum</i> stems, free acid fraction, pentane-soluble, petroleum ether-insoluble (resin)-----	2	2	1								
4293	31509-X	<i>Dendrobium superbum</i> stems, free acid fraction, pentane-soluble, petroleum ether-insoluble (solid)-----	1	1	1								
4294	31510-X	<i>Dendrobium superbum</i> stems, free acid fraction, pentane-soluble, petroleum ether-soluble (recrystallized solid)-----	2	3	2								
4295	31089-X	<i>Dendrobium superbum</i> stems, neutral fraction of 30996-X-----	2	1	3								
4296	31341-X	<i>Dendrobium superbum</i> stems, neutral fraction, pentane-soluble-----	3	3	3								
4297	31091-X	<i>Dendrobium superbum</i> stems, phenolic fraction of 30996-X-----	2	2	2								
4298	243	Deobase (deodorized kerosine)-----	1		1	1							
4299	25115-X	<i>Doryphora sassafras</i> , crude leaf oil-----	3	1	1	1	1						
4300	21645-X	<i>Dracocephalum ruyschianum</i> tops, ethyl ether extractive-----			2								
4301	21853-X	<i>Dracocephalum ruyschianum</i> tops, acidic fraction of 21645-X-----	2		2								
4302	21852-X	<i>Dracocephalum ruyschianum</i> tops, neutral fraction of 21645-X-----	2		2								
4303	21598-X	<i>Echinacea angustifolia</i> roots, distillate-----	1			1	1						
4304	25226-X	Enzyme-digested corn protein- (digestion variable)-----				1							
4305	25227-X	Enzyme-digested corn protein- (digestion variable)-----				1							
4306	25228-X	Enzyme-digested corn protein- (digestion variable)-----				1							
4307	25229-X	Enzyme-digested corn protein- (digestion variable)-----				1							
4308	25230-X	Enzyme-digested corn protein- (digestion variable)-----				1							
4309	25231-X	Enzyme-digested corn protein- (digestion variable)-----				1							
4310	21827-X	<i>Equisetum arvense</i> , basic fraction of 21646-X-----	1		1								
4311	21647-X	<i>Equisetum arvense</i> , ethanol extractive-----			3								
4312	21646-X	<i>Equisetum arvense</i> , ethyl ether extractive-----			3								
4313	21826-X	<i>Equisetum arvense</i> , neutral fraction of 21646-X-----	2		2								
4314	21828-X	<i>Equisetum arvense</i> , acidic fraction of 21646-X-----	3		3								
4315	31605-X	<i>Erythrina herbacea</i> roots, basic fraction of 31333-X-----	1	1	1								
4316	31334-X	<i>Erythrina herbacea</i> roots, ethanol extractive of marc of 31333-X-----	2	2	2	2							
4317	31333-X	<i>Erythrina herbacea</i> roots, ethyl ether extractive-----	2	3	2	2							
4318	31607-X	<i>Erythrina herbacea</i> roots, free acid fraction of 31333-X-----	2	2	2								
4319	31606-X	<i>Erythrina herbacea</i> roots, neutral fraction of 31333-X-----	2	2	2								

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4320	31608-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4321	24698-X	<i>Erythrina herbacea</i> roots, phenolic fraction of 31333-X	1	1	1								
4322	25123-X	Essence Aranciarina	2										
4323	25116-X	<i>Eucalyptus australiana</i> , rectified	1	1	1	1	1						
4324	25129-X	<i>Eucalyptus citriodora</i> (60–80 percent citronellal)	3	1	2	1	1						
4325	25127-X	<i>Eucalyptus dives</i> (40–45 percent piperitone)	2	1	1	1	1						
4326	25114-X	<i>Eucalyptus numerosa</i>	1	1	1	1	1						
4327	31195-X	<i>Eucalyptus phellandra</i> (50–60 percent cineole)	1	1	2	2	1						
4328	21953-X	<i>Euphorbia</i> sp., latex				1						1	1
4329	21952-X	<i>Evernia</i> spp., ethanol extractive	2	2	2	1							
4330	21951-X	<i>Evernia</i> spp., ethyl ether extractive	3	2	2	1							
4331	21542-X	<i>Evernia</i> spp., solid from 21952-X	1	1	1	1							
4332	21370-X	<i>Fabiana imbricata</i> , acidic fraction of ethyl ether extractive	2	3	2								
4333	21541-X	<i>Fabiana imbricata</i> , ethanol extractive	2		2								
4334	21679-X	<i>Fabiana imbricata</i> , neutral fraction of ethyl ether extractive	1	1	1								
4335	31044-X	<i>Fabiana imbricata</i> , phenolic fraction of ethyl ether extractive	2	3	2								
4336	31093-X	<i>Fabiana imbricata</i> tops, benzene-soluble	1	3	1								
4337	31094-X	<i>Fabiana imbricata</i> tops, benzene-soluble, distillate	1	2	1								
4338	31095-X	<i>Fabiana imbricata</i> tops, benzene-soluble, solid I	1	1	1								
4339	21380-X	<i>Fabiana imbricata</i> tops, benzene-soluble, solid II	3	3	2								
4340	30316-X	<i>Fabiana imbricata</i> tops, ethyl ether extractive	1		2								
4341	31096-X	<i>Fabiana imbricata</i> tops, ethyl ether-soluble phenol	1	1	1								
4342	31097-X	<i>Fabiana imbricata</i> tops, ethyl ether-soluble, distillate I	1	1	2								
4343	30317-X	<i>Fabiana imbricata</i> tops, ethyl ether-soluble, distillate II	2	1	3								
4344	31098-X	<i>Fabiana imbricata</i> tops, ethyl ether-soluble phenol	1	3	1								
4345	31099-X	<i>Fabiana imbricata</i> tops, ethyl ether-soluble, solid I	1	1	2								
4346	31045-X	<i>Fabiana imbricata</i> tops, ethyl ether-soluble, solid II	2	2	3								
4347	31043-X	<i>Fabiana imbricata</i> tops, methanol-soluble	1	1	2								
4348	31092-X	<i>Fabiana imbricata</i> tops, petroleum ether-soluble	1	1	2								
4349	30310-X	<i>Fabiana imbricata</i> tops, petroleum ether-soluble, chromatographic fraction	1	1	3								
4350	30311-X	<i>Fabiana imbricata</i> tops, phenolic fraction 1	1	3	2								
4351	30312-X	<i>Fabiana imbricata</i> tops, phenolic fraction 2	1	1	1								
4352	30313-X	<i>Fabiana imbricata</i> tops, phenolic fraction 3	1	2	1								
4353	30559-X	<i>Fabiana imbricata</i> tops, phenolic fraction 4	1	3	1								
4354	30314-X	<i>Fabiana imbricata</i> tops, phenolic fraction 4A	1	3	1								
4355	30560-X	<i>Fabiana imbricata</i> tops, phenolic fraction 5	1	3	1								
		<i>Fabiana imbricata</i> tops, phenolic fraction 5A	1	2	1								

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4356	30561-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4357	31046-X	<i>Fabiana imbricata</i> tops, phenolic fraction 5B	1	3	1								
4358	30315-X	<i>Fabiana imbricata</i> tops, phenolic solid	1	1	1								
4359	25266-X	Feather Meal Hydrolyzate	3	2	3	1						1	2
4360	25268-X	Feather Meal Hydrolyzate (minus lysine and arginine)	2	2	2	2						1	1
4361	31601-X	<i>Festuca</i> sp. grass, ether extractive, basic fraction	1	1	1								
4362	31603-X	<i>Festuca</i> sp. grass, ether extractive, free acid fraction	1	1	1								
4363	31602-X	<i>Festuca</i> sp. grass, ether extractive, neutral fraction	2	2	2								
4364	31604-X	<i>Festuca</i> sp. grass, ether extractive, phenolic fraction	1	1	1								
4365	31180-X	<i>Festuca</i> sp. grass, dry, ethanol extractive									1		
4366	31179-X	<i>Festuca</i> sp. grass, ethyl ether extractive									1		
4367	31178-X	<i>Festuca</i> sp. grass, fresh, ethanol extractive									1		
4368	31177-X	<i>Festuca</i> sp. grass, fresh, ethyl ether extractive									1		
4369	31335-X	<i>Festuca</i> sp. grass (late crop), ethyl ether extractive	2	3	3	2							
4370	31336-X	<i>Festuca</i> sp. grass (late crop), ethanol extractive of marc of 31335-X	2	2	2	2							
4371	21954-X	<i>Fraxinus nigra</i> bark, ethanol extractive	2	2	2	1							
4372	21715-X	<i>Fraxinus nigra</i> bark, ethyl ether extractive	1		1								
4373	21717-X	<i>Galipea officinalis</i> bark, ethanol extractive	2		2					1	1		
4374	21716-X	<i>Galipea officinalis</i> bark, ethyl ether extractive	2		2								
4375	21719-X	<i>Gaultheria procumbens</i> , ethanol extractive	2		2					1	1		
4376	21718-X	<i>Gaultheria procumbens</i> , ethyl ether extractive	2		1								
4377	21861-X	<i>Gelsemium sempervirens</i> roots, ethyl ether extractive	2		2	1							
4378	24528-X	Geraniol oil terpenes, Extra	2		1	1							
4379	31554-X	Grapefruit peel, ethyl ether extractive	2	2	2	2							
4380	21442-X	<i>Hagenia abyssinica</i> flowers, ethanol extractive	2										
4381	21441-X	<i>Hagenia abyssinica</i> flowers, ethyl ether extractive	2										
4382	30343-X	<i>Hamamelis virginiana</i> leaves, ethanol extractive				1							
4383	24402-X	HAN 132 (heavy aromatic naphtha)			1	1							
4384	31244-X	<i>Heracleum lanatum</i> , ethyl ether extractive, basic fraction	1	1	1								
4385	31247-X	<i>Heracleum lanatum</i> , ethyl ether extractive, free acid fraction	2	1	2								
4386	31245-X	<i>Heracleum lanatum</i> , ethyl ether extractive, neutral fraction	2	2	2								
4387	31246-X	<i>Heracleum lanatum</i> , ethyl ether extractive, phenolic fraction	1	1	1								
4388	21833-X	<i>Heracleum lanatum</i> fresh leaves, ethyl ether extractive	2		3	2							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4389	21834-X	<i>Heracleum lanatum</i> fresh stalks, ethyl ether extractive	1		1	1							
4390	30056-X	<i>Heracleum lanatum</i> leaves, acidic fraction				1							
4391	30055-X	<i>Heracleum lanatum</i> leaves, neutral fraction, total				1							
4392	30054-X	<i>Heracleum lanatum</i> leaves, neutral non-volatile fraction				1							
4393	30053-X	<i>Heracleum lanatum</i> leaves, neutral steam-volatile fraction				1							
4394	30632-X	<i>Heracleum lanatum</i> seeds (Half Moon), ether extractive	2	3	1	1							
4395	30631-X	<i>Heracleum lanatum</i> seeds (Half Moon), pentane extractive	1	2	1	1	1						
4396	30630-X	<i>Heracleum lanatum</i> seeds (Half Moon), 2d solid from pentane extractive	1	1	2	1							
4397	30622-X	<i>Heracleum lanatum</i> seeds (Jenner), ether extractive	1	2	2	1							
4398	30623-X	<i>Heracleum lanatum</i> seeds (Jenner), pentane extractive	1	2	2	1							
4399	30621-X	<i>Heracleum lanatum</i> seeds (Jenner), 1st solid from pentane extractive	1	2	2	1							
4400	30627-X	<i>Heracleum lanatum</i> seeds (Pt. Reyes), steam distillate	1	2	2	1	1						
4401	31027-X	<i>Hibiscus</i> sp. buds, ethanol extractive								2	1		
4402	31332-X	High-boiling fraction from distillation of ENT-30992	1	1	3								
4403	16366	Hisolv Oil 473			1	1							
4404	24410-X	Hisolv Oil 473-2			1	1							
4405	24409-X	Hisolv Oil 473-3			1	1							
4406	24408-X	Hisolv Oil 473-4			1	1							
4407	24407-X	Hisolv Oil 473-5			1	1							
4408	24411-X	Hisolv Oil 534			1	1							
4409	25267-X	Hoof Meal Hydrolyzate	2	2	2	1						1	1
4410	25269-X	Hoof Meal Hydrolyzate	2	3	2	1						1	
4411	21235-X	Humin or Melanin			1								
4412	21648-X	<i>Humulus lupulus</i> , ethanol extractive			2	1							
4413	21599-X	<i>Humulus lupulus</i> , ethyl ether extractive	2			1							
4414	25101-X	Hyamine 2389 (50 percent aqueous solution)	2	1	1	1	1						
4415	24249-X	Hydrolene	1										
4416	30715-X	<i>Hypericum perforatum</i> , chloroform extractive of 30345-X				2							
4417	30716-X	<i>Hypericum perforatum</i> , marc from 30715-X				1							
4418	30345-X	<i>Hypericum perforatum</i> , ethanol extractive				2							
4419	21955-X	<i>Hypericum perforatum</i> , ethyl ether extractive	3	2	2	1							
4420	30485-X	<i>Ilex paraguariensis</i> , chloroform extractive				1							
4421	30484-X	<i>Ilex paraguariensis</i> , ethanol extractive of marc from 30485-X				1							
4422	21957-X	<i>Ilex paraguariensis</i> , ethanol extractive	3	1	2	2							
4423	21956-X	<i>Ilex paraguariensis</i> , ethyl ether extractive	2	1	2	1							
4424	25103-X	Imidazolinium compound, 1(or 3)-benzyl-2-coco-1-(2-hydroxyethyl) chloride	1	1	1	2	1						
4425	25104-X	Imidazolinium compound, 1(or 3)-benzyl-2-heptadecenyl (and heptadecadienyl)-1-(2-hydroxyethyl) chloride	1	1	1	2	1						

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4426	25106-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4427	25107-X	Imidazolium compound, 1(or 3)-(4-chlorobutyl)-2-coco-1-(2-hydroxyethyl) chloride	1	1	1	1	1						
4428	30346-X	Imidazolium compound, 1(or 3)-(4-chlorobutyl)-2-heptadecenyl (and heptadecadienyl)-1-(2-hydroxyethyl) chloride	1	1	1	1	1						
4429	21958-X	<i>Ipomea orinabensis</i> roots, ethanol extractive				1							
4430	21720-X	<i>Ipomea orinabensis</i> roots, ethyl ether extractive	2	2	1	1	1						
4431	21649-X	<i>Juglans nigra</i> leaves, ethanol extractive	2		2								
4432	30947-X	<i>Juglans nigra</i> leaves, ethyl ether extractive			3								
4433	30946-X	<i>Juglans regia</i> , chloroform extractive of 30946-X				1							
4434	30948-X	<i>Juglans regia</i> , ether extractive of ethanol extractive				1							
4435	30950-X	<i>Juglans regia</i> , marc from 30947-X				1							
4436	30949-X	<i>Karwinskia humboldtiana</i> , chloroform extractive of 30949-X				1							
4437	30951-X	<i>Karwinskia humboldtiana</i> , ethyl ether extractive (of ethanol extractive)				1							
4438	24414-X	<i>Karwinskia humboldtiana</i> , marc from 30950-X				1							
4439	21510-X	Koppers Aromatic Solvent C4			1	1							
4440	21509-X	<i>Krameria</i> spp. roots, ethanol extractive			2								
4441	30347-X	<i>Krameria</i> spp. roots, ethyl ether extractive			1								
4442	21959-X	<i>Larix americana</i> bark, ethanol extractive				1							
4443	25130-X	<i>Larix americana</i> bark, ethyl ether extractive	3	3	1								
4444	30475-X	<i>Leptospermum diversidgei</i> , crude leaf oil	1	1	1	1	1						
4445	30411-X	<i>Ligusticum</i> sp. seeds, ethanol extractive	2	1	2	1							
4446	21900-X	<i>Ligusticum</i> sp. seeds, pentane extractive	1		1	1							
4447	24592-X	Linalool, impurity form	1		1								
4448	24593-X	Linalool, residue form	1		1	1							
4449	30714-X	Linalyl acetate terpenes	1		1	1							
4450	31344-X	Linolenic and linoleic acids (natural mixture)	2	2	2								
4451	31347-X	Linseed oil (crude)	1	1	2								
4452	31346-X	Linseed oil, acidic fraction	2	2	2								
4453	31348-X	Linseed oil, neutral fraction	1	2	2								
4454	31349-X	Linseed oil, saturated acid fraction	2	2	2								
4455	31350-X	Linseed oil, saturated acid soap	1	2	1								
4456	31351-X	Linseed oil, unsaturated acid fraction	2	3	2	1							
4457	31351-X	Linseed oil, unsaturated acid soap	2	2	2								
4458	31345-X	Linseed oil soap	2	2	2								
4459	30450-X	Linseed oil soap, neutral fraction	1		1								
4460	30451-X	Linseed oil soap, saturated acids, fraction I	1	2	1								
4461	30452-X	Linseed oil soap, saturated acids, fraction II	1	2	1								
4462	30453-X	Linseed oil soap, unsaturated acids fraction	2	2	2								
4463	21512-X	<i>Liriosma ovata</i> roots, ethanol extractive			2							1	1
4464	31445-X	<i>Lomatium nudicaule</i> seeds, ethyl ether extractive	2	1	1	1							
4465	21759-X	<i>Lycopersicon esculentum</i> leaves, acidic fraction of 21515-X	2		2								
4466	21758-X	<i>Lycopersicon esculentum</i> leaves, basic fraction of 21515-X	2		1								

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4466	21516-X	<i>Lycopersicon esculentum</i> leaves, ethanol extractive			2								
4467	21515-X	<i>Lycopersicon esculentum</i> leaves, ethyl ether extractive	3		3								
4468	21760-X	<i>Lycopersicon esculentum</i> leaves (fresh), ethyl ether extractive	2		2	1	1						
4469	21757-X	<i>Lycopersicon esculentum</i> leaves, neutral fraction of 21515-X	1		1								
4470	21514-X	<i>Lycopersicon esculentum</i> roots, ethanol extractive			2								
4471	21513-X	<i>Lycopersicon esculentum</i> roots, ethyl ether extractive			2								
4472	21358-X	<i>Mallotus philippinensis</i> fruits, ethyl ether extractive (1)	2		2								
4473	21359-X	<i>Mallotus philippinensis</i> fruits, ethyl ether extractive (2)	1		2								
4474	23965-X	Mango extract (acetone solution)	1		1	1							
4475	21446-X	<i>Marsdenia condurango</i> bark, ethanol extractive	2										
4476	24699-X	Maximaroma, concrete, P-340	1										
4477	25126-X	<i>Melaleuca alternifolia</i> , "tea-tree," oil	3	1	1	1	1						
4478	25121-X	<i>Melaleuca bracteata</i> , Kenya, oil	3	1	1	1	1						
4479	25119-X	<i>Melaleuca ericifolia</i> , crude oil	1	1	1	1	1						
4480	25117-X	<i>Melaleuca viridiflora</i>	1	1	1	1	1						
4481	25113-X	<i>Melaleuca viridiflora</i> , variety "A"	2	2	2	1	1						
4482	25125-X	<i>Melaleuca viridiflora</i> , variety "B"	1	1	1	2	1						
4483	21600-X	<i>Melilotus officinalis</i> , ethyl ether extractive	2										
4484	24697-X	Mimosa, absolute maximaroma P-86	2										
4485	24701-X	Mimosa cire efensee P-369	1		1								
4486	30402-X	<i>Mitchella repens</i> , acidic fraction				2							
4487	21722-X	<i>Mitchella repens</i> , ethanol extractive	2		2								
4488	21721-X	<i>Mitchella repens</i> , ethyl ether extractive	2		1	2							
4489	30400-X	<i>Mitchella repens</i> , neutral fraction				1							
4490	30403-X	<i>Mitchella repens</i> , phenolic fraction				1							
4491	24510-X	Mokihana extract (See <i>Pelea anisata</i> .)			1								
4492	24918-X	Molasses, beet, non-Steffen								1	1		
4493	24919-X	Molasses, Johnson "A"								1	1		
4494	30564-X	<i>Montanoa grandiflora</i> leaves, ethanol extractive, chloroform-insoluble				1							
4495	30565-X	<i>Montanoa grandiflora</i> leaves, ethanol extractive, chloroform-soluble				1							
4496	30524-X	<i>Montanoa grandiflora</i> leaves, ethyl ether extractive				1							
4497	30955-X	Musk 175	1	1	1	1	1						
4498	21384-X	<i>Myrica cerifera</i> wax	1		1		1						
4499	21651-X	<i>Myristica fragrans</i> nuts, ethanol extractive			2								
4500	21650-X	<i>Myristica fragrans</i> nuts, ethyl ether extractive			1	1	1						
4501	24514-X	Nelgin	1	1								1	1
4502	21653-X	<i>Nigella sativa</i> seeds, ethanol extractive			1								
4503	21652-X	<i>Nigella sativa</i> seeds, ethyl ether extractive			1	1	1						
4504	30118-X	Norway spruce, leaders, ethyl ether extractive					1					1	1
4505	23959-X	Nucleic acid	1			1							
4506	25198-X	Oil, <i>Abies alba</i> , cones	1	1	3	1							
4507	25196-X	Oil, <i>Abies alba</i> , needles	1	1	2	1							
4508	25197-X	Oil, <i>Abies sibirica</i>	1	1	2	1							
4509	15435-X	Oil, almond			1								
4510	15434-X	Oil, almond, bitter	1	1									

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4511	11000	Oil, amber	1			1							
4512	24296-X	Oil, <i>Amyris balsamifera</i>	1	1		1							
4513	24487-X	Oil, angelica root	1		2								
4514	21331-X	Oil, angelica root	1		2								
4515	21331-Xa	Oil, angelica root	2	1	3	1							
4516	21302-X	Oil, angelica seed	1	1	3	1			1	1	1		
4517	21302-Xa	Oil, angelica seed	1		2								
4518	21302-Xb	Oil, angelica seed, fraction C-1a	1		2	1							
4519	21302-Xc	Oil, angelica seed, fraction C-1b	1		2	1							
4520	21302-Xd	Oil, angelica seed, fraction C-2	1		3								
4521	21302-Xe	Oil, angelica seed, fraction C-3	1		3	1							
4522	21302-Xf	Oil, angelica seed, fraction C-4	1		3								
4523	21302-Xg	Oil, angelica seed, fraction D-1			2								
4524	21302-Xh	Oil, angelica seed, fraction D-2			3								
4525	21302-Xi	Oil, angelica seed, fraction D-3			3								
4526	21302-Xj	Oil, angelica seed, fraction D-4			2								
4527	21302-Xk	Oil, angelica seed, fraction D-5			2								
4528	21302-Xl	Oil, angelica seed, fraction D-6			3								
4529	21302-Xm	Oil, angelica seed, fraction D-7			3								
4530	21302-Xn	Oil, angelica seed, fraction D-8			3								
4531	21302-Xo	Oil, angelica seed, fraction D-9			3								
4532	21302-Xp	Oil, angelica seed, fraction D-10			3								
4533	21302-Xq	Oil, angelica seed, fraction D-11			1								
4534	23302-X	Oil, angelica seed, fraction O, volatile forerun	1										
4535	21677-X	Oil, angelica seed, forerun, oxidation product			1								
4536	21680-X	Oil, angelica seed, steam distillate from 21677-X			1								
4537	21302-Xr	Oil, angelica seed, still residue			1								
4538	24843-X	"Oil angelica seed synthetic"	1		1								
4539	621	Oil, anise	1										
4540	24698-Xa	Oil, arancaria, P-298	2										
4541	24810-X	Oil, arancaria, P-144	1		1	1							
4542	24823-X	Oil, balm grass, P-56	3		1	1							
4543	24297-X	Oil, balsam, Peru	1	1	1	1							
4544	463	Oil, bay	2		1				1				
4545	463-a	Oil, bay, fraction 1	1		1								
4546	463-b	Oil, bay, fraction 2	2		1								
4547	463-c	Oil, bay, fraction 3	3		1								
4548	24298-X	Oil, bay laurel leaves	3	2									
4549	2413-a	Oil, Bergamot	1			1							
4550	2413-b	Oil, Bergamot P-359				1							
4551	7638	Oil, birch P-306				1							
4552	24811-X	Oil, black pepper				1							
4553	24299-X	Oil, bois de rose	1	2	1								
4554	24300-X	Oil, cade	3	2									
4555	3042	Oil, cajeput	1										
4556	15436	Oil, calamus P-369	3			1							
4557	15436-c	Oil, calamus	2	3	1								
4558	24507-X	Oil, calamus		1									
4559	15436-a	Oil, calamus, fraction 1, petroleum ether-soluble	2			1							
4560	15436-b	Oil, calamus, fraction 2, petroleum ether-insoluble	2			1							
4561	24812-X	Oil, camomille				1							
4562	24813-X	Oil, camomille Roman P-254	1		1	1							
4563	24301-X	Oil, cananga	2	1									
4564	619	Oil, caraway	1	1		1							
4565	7637	Oil, cardamon P-308				1							
4566	24814-X	Oil, carrot P-371	1		1	1							
4567	24815-X	Oil, cascarrilla				1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued													
4568	803	Oil, castor.....	2	1									
4569	24489-X	Oil, catnip.....			2								
4570	24816-X	Oil, cedar leaves P-282.....				1							
4571	2007	Oil, cedarwood.....	2	1	1	1							
4572	24302-X	Oil, celery seed.....	1	1		1							
4573	618	Oil, chenopodium.....	1		2								
4574	617	Oil, cinnamon.....	2	1		1							
4575	24490-X	Oil, cinnamon bark.....	3										
4576	159	Oil, citronella.....			1			1					
4577	24303-X	Oil, clary sage.....	2	1									
4578	462	Oil, clove.....	1			1		1					
4579	1296	Oil, coconut.....	2										
4580	24304-X	Oil, cognac green.....	1										
4581	11138	Oil, copaiba.....	2	1									
4582	7632	Oil, coriander (P-348).....	1	1	1	1							
4583	105	Oil, corn (Mazola).....	1	1									
4584	24817-X	Oil, costus (P-254).....	2		2	1							
4585	95	Oil, cottonseed (Wesson).....	1	1									
4586	15439	Oil, cubeb.....	2	1		1							
4587	11142	Oil, cumin.....			2								
4588	24818-X	Oil, cypress Pays.....	1		1								
4589	24819-X	Oil, cyste.....	1		3	1							
4590	24503-X	Oil, dill seed.....	1		2								
4591	24504-X	Oil, dill weed.....	1		2								
4592	15440	Oil, elemi.....	3	1	1	1							
4593	24305-X	Oil, estragon.....	2	1		1							
4594	25128-X	Oil, eucalyptus.....	1	1	1	1	1						
4595	24663-X	Oil, eucalyptus N.F. (70-80 percent eucalyptol).....	1		1	1							
4596	24663-Xa	Oil, eucalyptus, technical.....	3		1	1							
4597	746-X	Oil, fennel.....	1		1	1							
4598	746-a	Oil, fennel seed.....	2		1	1							
4599	24306-X	Oil, fir needle.....	1	1		1							
4600	630	Oil, geranium bourbon.....				1							
4601	24820-X	Oil, geranium gingergrass.....	2		1	1							
4602	629	Oil, geranium rose.....	1	1		1	1		2				
4603	15441	Oil, ginger.....	2		1								
4604	24491-X	Oil, gingergrass.....			3				2				
4605	24307-X	Oil, grapefruit.....	1					1					
4606	24655-X	Oil, grapefruit, expressed.....	2			2							
4607	24308-X	Oil, guaiac wood.....	2	1									
4608	24309-X	Oil, hops.....	2										
4609	25062-X	Oil, huon pine.....	3		1	1							
4610	24821-X	Oil, hyssop.....				1							
4611	24492-X	Oil, laurel.....	3						2				
4612	24310-Xa	Oil, lavandin.....	1	1		1							
4613	24310-Xb	Oil, lavandin.....	1	1		1							
4614	24310-Xc	Oil, lavandin.....	1	1		1							
4615	762-a	Oil, lavender.....	1			1							
4616	762-b	Oil, lavender.....	1			1							
4617	762-c	Oil, lavender.....	1			1							
4618	762-d	Oil, lavender.....	1			1							
4619	465	Oil, lemon.....	1			1							
4620	24706-Xa	Oil, lemon, expressed, American (Magna).....	1		2	1	1		2				
4621	24706-Xb	Oil, lemon, expressed, American.....	1										
4622	21803-X	Oil, lemon, BAIC, fraction 2.....	1		2								
4623	21804-X	Oil, lemon, BAIC, fraction 3.....	1		1	1							
4624	21805-X	Oil, lemon, BAIC, fraction 4.....	2		1	1							
4625	21806-X	Oil, lemon, BAIC, fraction 5.....	2		2								
4626	21807-X	Oil, lemon, BAIC, fraction 6.....	1		1	1							
4627	21808-X	Oil, lemon, BAIC, fraction 8.....	1		2	1							
4628	21809-X	Oil, lemon, BAIC, fraction 9.....	1		2								

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued													
4629	21810-X	Oil, lemon, BAIC, fraction 10.....	1		3								
4630	21811-X	Oil, lemon, BAIC, fraction 11.....	1		1	1							
4631	21812-X	Oil, lemon, BAIC, fraction 12.....	1		1	1							
4632	21813-X	Oil, lemon, BAIC, fraction 13.....	1		1	1							
4633	21814-X	Oil, lemon, BAIC, fraction 14.....	1		1	1							
4634	21815-X	Oil, lemon, BAIC, fraction 15.....	1		1	1							
4635	21816-X	Oil, lemon, BAIC, fraction 16.....	1			1							
4636	21817-X	Oil, lemon, BAIC, fraction 17.....	1			1							
4637	21818-X	Oil, lemon BAIC, fraction 18.....	1			1							
4638	21819-X	Oil, lemon, BAIC, fraction 19.....	2		1	1							
4639	21820-X	Oil, lemon, BAIC, fraction 20.....	1		1	1							
4640	21821-X	Oil, lemon, BAIC, fraction 21.....	1		2								
4641	21822-X	Oil, lemon, BAIC, fraction 22.....	1		3								
4642	21823-X	Oil, lemon, BAIC, fraction 23.....	1		2	1							
4643	24656-X	Oil, lemon, U.S.P. pressed Calif. control PMX-270.....	1										
4644	24657-X	Oil, lemon.....	1			2							
4645	1587	Oil, lemongrass.....	1	1					2				
4646	24526-X	Oil, lemongrass, from terpenes.....	2		1	1							
4647	24527-X	Oil, lemongrass, from terpenes.....	3		1	1							
4648	24311-X	Oil, lime.....	1										
4649	24658-X	Oil, lime, expressed.....	1			1							
4650	24312-X	Oil, linaloe.....	1	1					2				
4651	2597	Oil, linseed.....	2	2									
4652	24313-X	Oil, lovage.....	3	1	2	1							
4653	24314-X	Oil, mace.....	2										
4654	24315-X	Oil, mandarin.....	1	2		1							
4655	24822-X	Oil, mastic tree.....	2		1	1							
4656	24494-X	Oil, melissa balsa.....	3										
4657	160-a	Oil, "middol".....	1			1							
4658	461	Oil, mineral.....	1										
4659	15446	Oil, myrtle.....				1							
4660	24495-X	Oil, neroli, petale.....				1							
4661	2361	Oil, niaouli.....				1							
4662	11001	Oil, nutmeg, nuts.....	2	1		1							
4663	24316-X	Oil, <i>Ocotea cymbarum</i>	2	1									
4664	24317-X	Oil, olibanum.....	2	1		1							
4665	24824-X	Oil, onion.....	2		2	1							
4666	24318-X	Oil, opopanax.....	2	1		1							
4667	24662-X	Oil, orange, bitter.....	1			1							
4668	24319-X	Oil, orange, bitter Italian.....	1	1		1							
4669	24659-X	Oil, orange.....	1			2							
4670	24660-X	Oil, orange.....	1	1	3	2							
4671	24661-X	Oil, orange, Golden brand.....	1			2							
4672	11139	Oil, organum.....	1	1		1							
4673	24320-X	Oil, patchouly.....	1	1		1							
4674	7628	Oil, pennyroyal.....	1	1				1					
4675	1327-a	Oil, petitgrain.....	1	1		1		1					
4676	1327-b	Oil, petitgrain.....				1							
4677	1327-c	Oil, petitgrain.....				1							
4678	24412-X	Oil, piccolyte.....			1	1							
4679	24825-X	Oil, pimento, berries.....				1							
4680	742	Oil, pimento leaf.....	3						2				
4681	160	Oil, pine (Yarmor).....	1			1							
4682	15448	Oil, pine needle.....	1	1									
4683	25188-X	Oil, pine needle, Canadian.....	2	1	3	1	1						
4684	25187-X	Oil, pine needle, Siberian.....	1	1	2	1	1						
4685	25194-X	Oil, <i>Pinus pumilio</i>	1	1	3	1							
4686	25195-X	Oil, <i>Pinus sylvestris</i> , Extra.....	1	1	3	1							
4687	24505-X	Oil, Rhodes coconut.....		1									
4688	24321-X	Oil, rose.....	1	1									
4689	11137-a	Oil, rosemary.....	1	1									

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued													
4690	11137-b	Oil, rosemary nettle.....	2	1	---	1	---	---	---	---	---	---	---
4691	11140	Oil, rue.....	2	2	---	---	---	---	---	---	---	---	---
4692	24322-Xb	Oil, sage.....	1	---	1	---	---	---	---	---	---	---	---
4693	24322-Xa	Oil, sage, Dalmatian.....	1	1	---	---	---	---	---	---	---	---	---
4694	24323-X	Oil, sandalwood.....	1	1	---	1	---	---	---	---	---	---	---
4695	620	Oil, sassafras.....	1	---	---	1	---	---	---	---	---	---	---
4696	7631	Oil, savin.....	2	---	2	---	---	---	---	---	---	---	---
4697	24497-X	Oil, savory.....	---	---	---	1	---	---	---	---	---	---	---
4698	582	Oil, sesame.....	1	---	---	1	---	---	---	---	---	---	---
4699	25244-X	Oil, soya, fatty acids.....	1	1	---	---	---	---	---	---	---	---	---
4700	15449	Oil, spearmint.....	1	1	---	---	---	---	---	---	---	---	---
4701	14846	Oil, spike lavender.....	1	---	---	1	---	---	---	---	---	---	---
4702	25189-X	Oil, spruce.....	1	1	2	1	1	---	---	---	---	---	---
4703	24324-X	Oil, spruce needle.....	1	1	---	---	---	---	---	---	---	---	---
4704	24325-X	Oil, styrax.....	1	1	2	1	---	---	---	---	---	---	---
4705	24488-X	Oil, sweet basil.....	---	---	---	1	---	---	---	---	---	---	---
4706	24326-X	Oil, sweet birch.....	1	1	---	---	---	---	---	---	---	---	---
4707	14443	Oil, sweet marjoram.....	---	---	2	---	---	---	---	---	---	---	---
4708	468	Oil, sweet orange.....	2	---	---	1	---	---	1	---	---	---	---
4709	21898-X	Oil, sweet orange, acidic fraction.....	2	---	3	---	1	---	---	---	---	---	---
4710	21896-X	Oil, sweet orange, distillate 2.....	1	---	3	---	---	---	---	---	---	---	---
4711	21668-X	Oil, sweet orange, distillation residue.....	---	---	3	---	---	---	---	---	---	---	---
4712	24707-X	Oil, sweet orange, expressed, American (Magna).....	2	---	2	1	---	---	---	---	---	---	---
4713	21666-X	Oil, sweet orange, fraction 1.....	---	---	2	2	1	---	---	---	---	---	---
4714	21667-X	Oil, sweet orange, fraction 2.....	---	---	2	---	---	---	---	---	---	---	---
4715	21897-X	Oil, sweet orange, neutral fraction.....	1	---	3	---	---	---	---	---	---	---	---
4716	24826-X	Oil, szdravst.....	1	---	1	1	---	---	---	---	---	---	---
4717	15452	Oil, tagette.....	2	---	---	1	---	---	---	---	---	---	---
4718	24327-X	Oil, tangerine.....	1	---	---	---	---	---	1	---	---	---	---
4719	24328-X	Oil, tansy.....	1	1	---	---	---	---	---	---	---	---	---
4720	24329-X	Oil, tar.....	2	1	---	---	---	---	---	---	---	---	---
4721	336	Oil, thyme.....	1	1	---	---	---	---	---	---	---	---	---
4722	24498-X	Oil, ti-tree, Australian.....	---	---	2	---	---	---	---	---	---	---	---
4723	11136	Oil, verberna.....	3	---	---	---	---	---	---	---	---	---	---
4724	24330-X	Oil, vetivert.....	2	1	---	---	---	---	---	---	---	---	---
4725	25122-X	Oil, Western Australian sandalwood.....	1	1	1	2	1	---	---	---	---	---	---
4726	24331-X	Oil, whale.....	1	1	---	---	---	---	---	---	---	---	---
4727	467	Oil, wintergreen.....	1	1	---	1	---	1	1	---	---	---	---
4728	24506-X	Oil, xanthophyll.....	2	1	---	---	---	---	---	---	---	---	---
4729	15455-a	Oil, ylang ylang.....	2	1	1	---	---	---	---	---	---	---	---
4730	15455-b	Oil, ylang ylang.....	2	---	1	---	---	---	---	---	---	---	---
4731	15455-c	Oil, ylang ylang.....	2	---	1	---	---	---	---	---	---	---	---
4732	15455-d	Oil, ylang ylang.....	2	---	1	---	---	---	---	---	---	---	---
4733	15455-e	Oil, ylang ylang.....	2	---	1	---	---	---	---	---	---	---	---
4734	24511-X	Olapa extract.....	---	---	1	---	---	---	---	---	---	---	---
4735	31553-X	Orange peel, ethyl ether extractive.....	2	1	3	2	---	---	---	---	---	---	---
4736	31174-X	<i>Pachyrrhizus erosus</i> leaves, ethanol extractive.....	---	---	---	---	---	---	---	---	---	---	---
4737	31173-X	<i>Pachyrrhizus erosus</i> leaves, ether extractive.....	---	---	---	---	---	---	---	1	1	---	---
4738	31176-X	<i>Pachyrrhizus erosus</i> stems, ethanol extractive.....	---	---	---	---	---	---	---	2	1	---	---
4739	31175-X	<i>Pachyrrhizus erosus</i> stems, ether extractive.....	---	---	---	1	---	---	---	1	1	---	---
4740	21385-X	<i>Papaver somniferum</i> seeds, ethyl ether extractive.....	---	---	---	---	---	---	---	1	1	---	---
4741	30318-X	Peach fruits, ethyl ether extractive.....	1	---	1	---	---	---	---	---	---	---	---
4742	30319-X	Peach juice, Georgia.....	1	1	1	---	---	---	---	---	---	---	---
4743	31237-X	<i>Pelea anisata</i> leaves, ethanol extractive (of ether extractive of marc).....	1	1	1	1	---	---	---	---	---	---	---
4744	31234-X	<i>Pelea anisata</i> leaves, ether extractive.....	2	1	2	---	---	---	---	---	---	---	---
			3	1	1	---	---	---	---	---	---	---	---

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4745	31235-X	<i>Pelea anisata</i> leaves, steam distillate of 31234-X	3	1	2								
4746	31236-X	<i>Pelea anisata</i> leaves, still residue from 31235-X	3	1	2								
4747	31239-X	<i>Pelea anisata</i> stems, ethanol extractive (of ether extractive of marc)	2	2	1								
4748	31238-X	<i>Pelea anisata</i> stems, ether extractive	3	1	2								
4749	470	Peppermint			2								
4750	1225	Petroleum ether	1										
4751	21366-X	<i>Petroselinum sativum</i> roots, ethanol extractive	2		2								
4752	24508-X	Pineapple distillate			2								
4753	24509-X	Pineapple juice			1								
4754	21519-X	<i>Piper angustifolium</i> leaves, ethyl ether extractive			1								
4755	24346-X	Piperonone	2	1									
4756	21448-X	<i>Piper methysticum</i> roots, ethyl ether extractive	2										
4757	21601-X	<i>Plantago ovata</i> seeds, ethyl ether extractive	2										
4758	21654-X	<i>Pogostemon patchouli</i> leaves, ethanol extractive	2		2								
4759	21602-X	<i>Pogostemon patchouli</i> leaves, ethyl ether extractive	2		1	1							
4760	24705-X	Protolan 5850, protein hydrolysate with natural B-complex vitamins			2								
4761	30348-X	<i>Pterocarpus santalinus</i> , ethanol extractive	1	2	2	1							
4762	21961-X	<i>Pterocarpus santalinus</i> , ethyl ether extractive	2	2	2	1							
4763	21960-X	<i>Pterocarpus santalinus</i> , solid from 21961-X	2	1	2	1							
4764	30115-X	Red pine branches, ethyl ether extractive					1						
4765	30114-X	Red pine needles, ethyl ether extractive					1						
4766	21839-X	<i>Rhamnus frangula</i> bark, acidic fraction of 21723-X	2		3								
4767	21838-X	<i>Rhamnus frangula</i> bark, basic fraction of 21723-X	1		1								
4768	21962-X	<i>Rhamnus frangula</i> bark, ethanol extractive	2	2	2	2							
4769	21723-X	<i>Rhamnus frangula</i> bark, ethyl ether extractive	2		3								
4770	21840-X	<i>Rhamnus frangula</i> bark, neutral fraction of 21723-X	2		1								
4771	21963-X	<i>Rhodymenia palmata</i> , ethanol extractive	2	2	1	1							
4772	21856-X	<i>Rhodymenia palmata</i> , ethyl ether extractive	2		2								
4773	30349-X	<i>Roripa nasturtium-aquaticum</i> , ethanol extractive	2	2	1	1							
4774	21964-X	<i>Roripa nasturtium-aquaticum</i> , ethyl ether extractive	2	1	1	1							
4775	21725-X	<i>Rosa centifolia</i> buds, ethanol extractive	2		3					1	1		
4776	21724-X	<i>Rosa centifolia</i> buds, ethyl ether extractive	3		2								
4777	24362-X	Rose crystals	1	1	1								
4778	24700-X	Rose de Mai cire finsee	2		1								
4779	24364-X	Rose ethone	1	1									
4780	21851-X	<i>Rosmarinus officinalis</i> leaves, acidic fraction of 21603-X	3		2								
4781	21655-X	<i>Rosmarinus officinalis</i> leaves, ethanol extractive	2		2	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4782	21603-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4783	21850-X	<i>Rosmarinus officinalis</i> leaves, ethyl ether extractive	3		1	1							
4784	21849-X	<i>Rosmarinus officinalis</i> leaves, neutral fraction of 21603-X	3		2								
4785	21522-X	<i>Rosmarinus officinalis</i> leaves, solid fraction of 21603-X	2		1								
4786	16372	<i>Ruta graveolens</i> , ethanol extractive			2								
4787	21965-X	Saf-T-Sol No. 1			1	1							
4788	21605-X	<i>Salmea scandens</i> stems, ethyl ether extractive	2	1	2	1	1						
4789	21604-X	<i>Sambucus canadensis</i> berries, ethanol extractive	2		2	1							
4790	21453-X	<i>Sambucus canadensis</i> berries, ethyl ether extractive	2		2								
4791	21453-X	<i>Sambucus canadensis</i> flowers, ethanol extractive	2										
4792	21622-X	<i>Sargentia greggii</i> green fruits, ethanol-insoluble extractive				1							
4793	21623-X	<i>Sargentia greggii</i> green fruits, ethanol-soluble extractive				2							
4794	21591-X	<i>Sargentia greggii</i> ripe fruits, ethyl alcohol extractive	2			1							
4795	21590-X	<i>Sargentia greggii</i> ripe fruits, ethyl ether extractive	2			2	1						
4796	21589-X	<i>Sargentia greggii</i> ripe fruits, expressed juice	1			1							
4797	24529-X	Sassafras oil terpenes	2		2	1							
4798	21524-X	<i>Satureja hortensis</i> leaves, ethanol extractive			2								
4799	21523-Xa	<i>Satureja hortensis</i> leaves, ethyl ether extractive	3	1	2								
4800	30398-X	<i>Scutellaria canescens</i> , acidic fraction	2	1	2								
4801	30350-X	<i>Scutellaria canescens</i> , ethanol extractive	2	1	2	1							
4802	21966-X	<i>Scutellaria canescens</i> , ethyl ether extractive	3	2	2	1							
4803	30397-X	<i>Scutellaria canescens</i> , neutral fraction				1							
4804	30399-X	<i>Scutellaria canescens</i> , phenolic fraction				1							
4805	21526-X	<i>Serenoa repens</i> berries, ethanol extractive			1								
4806	21525-X	<i>Serenoa repens</i> berries, ethyl ether extractive	1		2								
4807	562	Sesquiterpenes	2		1	1							
4808	24797-X	Sesquiterpene, cut from turpentine	3		1	1	1				1		
4809	14351	Solvesso 100			2	1							
4810	16335	Solvesso 150			1	1							
4811	15951	Sovacide 544B			1	1							
4812	16079	Sovacide 544C			2	1							
4813	25232-X	Soybean phosphatides				1							
4814	21763-X	<i>Spilanthes oleraceae</i> tops, pentane extractive	2		2	1							
4815	24841-X	Staley's Bait #2									2	2	1
4816	24842-X	Staley's Bait #7									2	2	1
4817	21761-X	Sweet orange terpenes, rectified	2		3	1	1			1			
4818	21455-X	<i>Symphytum officinale</i> roots, ethanol extractive	1										
4819	21727-X	<i>Symplocarpus foetidus</i> , ethanol extractive	1		1								
4820	21726-X	<i>Symplocarpus foetidus</i> , ethyl ether extractive	2		2								
4821	31552-X	Tangerine peel, ethyl ether extractive	1	1	2	2							
4822	564	Terpenes	1		1	1							
4823	24530-X	Terpene B hydrocarbons	1		1	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
		MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
4823	24533-X	Terpene D hydrocarbons	1		1	1							
4824	24531-X	Terpene G hydrocarbons	1		1	1							
4825	24532-X	Terpene H hydrocarbons	1		1	2							
4826	21457-X	<i>Thuja occidentalis</i> , ethanol extractive	2										
4827	21456-X	<i>Thuja occidentalis</i> , ethyl ether extractive	2										
4828	21837-X	<i>Tilia europaea</i> flowers, acidic fraction of 21606-X	3		3								
4829	21836-X	<i>Tilia europaea</i> flowers, basic fraction of 21606-X	2		2								
4830	21656-X	<i>Tilia europaea</i> flowers, ethanol extractive	2		3	1							
4831	21606-X	<i>Tilia europaea</i> flowers, ethyl ether extractive	3		2								
4832	30057-X	<i>Tilia europaea</i> flowers, free acid fraction	2	2	2								
4833	21835-X	<i>Tilia europaea</i> flowers, neutral fraction of 21606-X	3		2								
4834	30058-X	<i>Tilia europaea</i> flowers, phenolic fraction	1	2	2								
4835	16375	Toledo Sun Solvent 3			1	1							
4836	21459-X	<i>Trifolium pratense</i> tops, ethanol extractive	2										
4837	21657-X	<i>Trigonella foenum-graecum</i> seeds, ethanol extractive	2		2	1	1						
4838	21607-X	<i>Trigonella foenum-graecum</i> seeds, ethyl ether extractive	2		2	1						1	1
4839	21659-X	<i>Trilisa odoratissima</i> leaves, ethanol extractive			2	1							
4840	21658-X	<i>Trilisa odoratissima</i> leaves, ethyl ether extractive			1								
4841	21583-X	<i>Trillium erectum</i> roots, acidic fraction of 21322-X	3										
4842	21764-X	<i>Trillium erectum</i> roots, chromatography fraction 1 of 21582-X	2		1								
4843	21765-X	<i>Trillium erectum</i> roots, chromatography fraction 2 of 21582-X	2		1								
4844	21766-X	<i>Trillium erectum</i> roots, chromatography fraction 3 of 21582-X	2		1								
4845	21367-X	<i>Trillium erectum</i> roots, ethanol extractive	2		1								
4846	21322-X	<i>Trillium erectum</i> roots, ethyl ether extractive	3		2								
4847	21582-X	<i>Trillium erectum</i> roots, neutral fraction of 21322-X	3										
4848	21584-X	<i>Trillium erectum</i> roots, phenolic fraction of 21322-X	3										
4849	21388-X	<i>Tsuga canadensis</i> pitch	2		1								
4850	2211	Turpentine	1	1	1	1							
4851	21728-X	<i>Tussilago farfara</i> leaves, ethanol extractive	2		2								
4852	21660-X	<i>Tussilago farfara</i> leaves, ethyl ether extractive			2								
4853	16246	Umex 4060			1	1							
4854	30481-X	<i>Uncaria gambir</i> , chloroform extractive				2							
4855	21967-X	<i>Uncaria gambir</i> , ethanol extractive	2	1	2	2							
4856	30480-X	<i>Uncaria gambir</i> , ethanol extractive, chloroform-insoluble				2							
4857	21860-X	<i>Uncaria gambir</i> , ethyl ether extractive	1		1	1						1	1
4858	15870	Velsicol AR-50G			2	1							
4859	24413-X	Velsicol AR-55			2	1							
4860	217	Velsicol AR-60			2	1							
4861	4481	Velsicol NR-70	1		3	1							

TABLE 2.—Relative effectiveness of materials tested as attractants for 10 insect species—Continued

Item No.	Entomology No. (ENT-)	Material	Oriental fruit fly	Melon fly	Mediterranean fruit fly	Mexican fruit fly	Gypsy moth	Drosophila	European chafer	Pink bollworm	Boll weevil	House fly	
												Attractant	Arrestant
4862	30117-X	MATERIALS OF UNKNOWN OR INDEFINITE COMPOSITION—Continued											
		White pine branches, ethyl ether extractive.....					1						
4863	30116-X	White pine needles, ethyl ether extractive.....					1						
4864	30119-X	White spruce leaders, ethyl ether extractive.....					1						
4865	25272-X	Yeast, brewer's, water-soluble, fraction of Autolized Amber BYF.....	3	2	2	2				1	1		
4866	24879-X	Yeast hydrolysate.....	3	3	3								
4867	30562-X	<i>Zuelania roussoviae</i> leaves, ethanol extractive, chloroform-insoluble.....				2							
4868	30523-X	<i>Zuelania roussoviae</i> leaves, ethyl ether extractive.....				1							

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H ₃ NO·HCl	3311	C ₂ H ₇ NO ₂	3001, 3168, 3508
H ₄ N ₂	3306	C ₃ H ₇ NO ₂ S·HCl	3231
H ₄ N ₂ O ₂ S	3524	C ₃ H ₇ NO ₃	3510
H ₉ N ₂ O ₄ P	3235	C ₃ H ₈ N ₂ O	3587
CCl ₄	3771	C ₃ H ₈ O	2853, 2942
CHCl ₃	3774	C ₃ H ₈ O ₂	2456, 2935, 2936
CHN	3310	C ₃ H ₈ O ₃	2821
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CH ₃ NO	3279	C ₃ H ₁₀ N ₂ O	3451
CH ₃ NO ₂	3348	C ₄ H ₂ O ₃	140
CH ₄ N ₂ O	3584	C ₄ H ₄ N ₂	3523
CH ₄ N ₂ S	3023	C ₄ H ₄ O	2502
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C ₂ H ₂ O ₂	302	C ₄ H ₆ Cl ₂ NO	3163
C ₂ H ₃ Cl ₃ O ₂	3773	C ₄ H ₆ O	286
C ₂ H ₃ N	2989	C ₄ H ₆ O ₂	106,
C ₂ H ₃ NO	3290		113, 142, 377, 488, 808, 1236, 2629
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C ₂ H ₅ Cl	3879	C ₄ H ₇ NO ₂	3130
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C ₂ H ₅ NO ₃	3278	C ₄ H ₈ Br ₂ O	3887
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C ₃ Cl ₃ N ₃ O ₃	3574	C ₄ H ₈ OS ₂	4097
C ₃ HCl ₂ N ₃ O ₃	3573	C ₄ H ₈ O ₂	94,
C ₃ H ₂ N ₂	3343		128, 232, 1229, 1249, 2365, 2631, 2761
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C ₃ H ₈ N ₂ O ₂	3342	C ₄ H ₁₀ O	2500,
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C ₃ H ₈ O ₂	156, 366, 1230	C ₄ H ₁₀ O ₂	198,
C ₃ H ₈ O ₃	77, 132, 301, 811, 2717		2454, 2582, 2747, 2749, 2750
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$C_5H_6Cl_2$ -----	3851
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$C_5H_{10}O_4$ -----	475
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$C_6H_4O_2$ -----	2628
$C_6H_4O_2S \cdot H_2O$ -----	4091
$C_6H_4O_3 \cdot H_2O$ -----	298
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	3371, 3410, 3427
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$C_6H_6Cl_6$ -----	3791
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$C_6H_6O_2$ -----	2770, 2946
$C_6H_6O_3$ -----	2933, 2945
$C_6H_6O_6$ -----	79
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	3419, 3423, 3425
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$C_6H_8I_2O_4$ -----	3674
$C_6H_8N_2 \cdot HCl$ -----	3307,
	3411, 3420, 3424, 3426
$C_6H_8N_2O$ -----	3472
C_6H_8O -----	334, 2505
$C_6H_8OS_2$ -----	4099
$C_6H_8O_2$ -----	162, 486, 2658
$C_6H_8O_7$ -----	104
$C_6H_9Br_3O_2$ -----	4012
$C_6H_9NO_2$ -----	3517
$C_6H_9N_3O_2 \cdot HCl \cdot H_2O$ -----	3305
$C_6H_{10}Br_2O_2$ -----	3998
$C_6H_{10}Cl_2O_2$ -----	3669
$C_6H_{10}O$ -----	313, 2105,
	2660, 2680, 2689, 2711, 2835, 2849, 2919
$C_6H_{10}OS_2$ -----	4094
$C_6H_{10}O_2$ -----	764,
	965, 1811, 2595, 2676
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$C_6H_{10}O_3$ -----	231, 479, 1257
$C_6H_{10}O_4$ -----	686,
	687, 1219, 1231, 1621
$C_6H_{10}O_6$ -----	76
$C_6H_{10}O_8$ -----	143
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$C_6H_{11}BrO_3$ -----	4019
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343, 2492, 2496, 2702, 2785, 2845, 2917	
$C_6H_{12}OS_2$	4096
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175, 353, 360, 727, 1242, 1247, 1375, 1864,	
2508, 2596, 2700, 2701.	
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$C_6H_{12}O_3$	229,
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$C_6H_{12}O_4$	2246
$C_6H_{12}O_6$	295,
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$C_6H_{13}NO_2$	3326, 3336, 3377
$C_6H_{13}NO_3$	3300, 3391, 3392
$C_6H_{13}NO_3S$	3215
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$C_6H_{15}NO$	3267
$C_6H_{15}NO_3$	3271
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$C_6H_{15}O_4P$	4107
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$C_7H_6Cl_2S$	4049
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$C_7H_{12}O_3$	108,
483, 1182, 1256, 1484, 2088	
$C_7H_{12}O_4$	276,
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$C_7H_{13}BrO_3$	3631, 4020
$C_7H_{13}ClO_2$	3934, 4060
$C_7H_{13}ClO_3$	3655
$C_7H_{13}Cl_3O_2$	820, 3990
$C_7H_{13}NO$	2997
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362, 369, 1400, 1421, 1816, 2042, 2254	
$C_7H_{14}O_2S$	4085
$C_7H_{14}O_3$	126,
365, 744, 1221, 1389, 1431, 1438, 2060	
$C_7H_{14}O_4$	1433
$C_7H_{15}NO$	3162
$C_7H_{15}NO_3$	3299
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$C_3H_8ClN_2O$	3059
$C_3H_8Cl_2$	4067
$C_3H_8Cl_2N_2S$	3478
$C_3H_8KNO_2$	3289
$C_3H_8N_2O_5$	3402
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	336, 337, 339, 2619, 2815
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	171, 246, 249, 551, 1237, 2239, 2622, 2623
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	82, 84, 112, 344, 345, 1859, 1903, 2620
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	572, 1895, 2209
$C_3H_8O_5$	1893
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	2124, 2125, 2471, 2548, 2741, 2742, 2920,
	2960, 2961.
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	2173, 2174, 2252, 2510, 2561, 2606, 2959
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$C_3H_{10}S$	4100
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$C_3H_{11}ClO_3$	3853
$C_3H_{11}N$	3030,
	3033, 3123, 3207, 3397, 3421, 3598, 3599
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	3400, 3401, 3489
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$C_3H_{12}Cl_2O_2$	3670

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	3182, 3184, 3185
$C_3H_{12}O$	291,
	2663, 2671, 2788, 2890
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	1917, 2593, 2659
$C_3H_{12}O_3$	1890
$C_3H_{12}O_4$	1252
$C_3H_{13}BrO_2$	3614, 3794, 4011
$C_3H_{13}BrO_3$	4023
$C_3H_{13}ClO_2$	3804
$C_3H_{13}ClO_3$	3663, 3852, 3985
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$C_3H_{14}O$	2484,
	2674, 2793, 2795, 2796, 2876
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$C_3H_{14}O_2$	109,
	312, 355, 1100, 1102, 1332, 1341, 1410, 2387,
	2664, 2847.
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	1036, 1177, 1866, 1891
$C_3H_{14}O_4$	1623, 1943
$C_3H_{14}O_5$	1197
$C_3H_{14}O_6$	1950, 2026
$C_3H_{14}S$	4087
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	3630, 3633, 3766, 4062
$C_3H_{15}BrO_3$	3607, 4018
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	3652, 3767, 3861, 3863, 3864, 4063
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	2509, 2537, 2695, 2787, 2830, 2844
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	701, 738, 779, 1240, 1302, 1353, 1384, 1786,
	1861, 2267, 2444.
$C_3H_{16}O_2S$	4079
$C_3H_{16}O_3$	1374,
	1390, 1439, 1854, 1880, 2447, 2503
$C_3H_{17}ClO_2$	3602
$C_3H_{17}NO$	2964,
	3153, 3158
$C_3H_{17}O_4P$	4104
C_3H_{18}	50
$C_3H_{18}O$	2244,
	2824, 2841, 2842, 2843, 2884, 2897, 2912
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	3747, 3748, 3875
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$C_9H_9ClO_4$ -----	3880
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	261, 351, 372, 373, 374, 449, 548, 673, 1244,
	1248, 1933, 1973, 2000, 2017, 2430, 2624.
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	88, 260, 262, 263, 346, 348, 501, 527, 610,
	612, 958, 1243, 1254, 1266, 1516, 1743, 1744,
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	2686, 2712, 2714, 2715
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	1134, 1188, 1330, 1925, 1932
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	813, 975, 1172, 1608, 1927
$C_9H_{14}O_4$ -----	1211
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$C_9H_{15}ClO_2$ -----	3657, 3793, 3829
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$C_9H_{16}Br_2O_2$ -----	3762, 3908, 3930
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	716, 767, 1053, 1101, 1290, 1339, 1364, 1561,
	2279, 2388.
$C_9H_{16}O_3$ -----	1014,
	1034, 1180, 1183, 1401, 1482, 1867
$C_9H_{16}O_4$ -----	85,
	970, 1018, 1181, 1204
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	3626, 3628, 3904, 3917, 4014, 4017
$C_9H_{17}BrO_3$ -----	3764, 4002
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	3650, 3651, 3905, 4028
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	2463, 2673, 2792
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	358, 753, 787, 800, 1246, 1276, 1280, 1338,
	2031, 2046, 2079, 2086.
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	742, 791, 810, 1320, 1388, 1435, 2049, 2080,
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$C_9H_{18}O_4$ -----	1223, 1881, 2435
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	2869, 2886, 2889
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$C_9H_{21}N$ -----	3376
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$C_{10}H_9BrO_4$ -----	3995
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	938, 950, 1346, 2131, 2522, 2599, 2600, 2645
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	2177, 2438, 2557, 2584, 2588
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	2653, 2720, 2862, 2932.
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	1812, 1870, 1963, 2012, 2097, 2099, 2157,
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	2556, 2586, 2633, 2634.
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	237, 238, 248, 364, 500, 518, 575, 593, 608,
	614, 1227, 1268, 1343, 1506, 1787, 1791,
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	1121, 1122, 1169, 1916, 1923, 2419, 2690
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	711, 972, 999, 1004, 1051, 1095, 1098, 1336,
	1415, 2036, 2900.
$C_{10}H_{18}O_3$ -----	482,
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$C_{10}H_{18}O_4$ -----	1199,
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$C_{12}H_{25}NO_4$ -----	2966
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$C_{12}H_{26}O$ -----	2517, 2806, 2812, 2882
$C_{12}H_{26}O_2$ -----	185, 210, 2805, 2881
$C_{12}H_{26}O_3$ -----	323
$C_{12}H_{27}N$ -----	3263
$C_{12}H_{29}NO$ -----	3020
$C_{13}H_8O$ -----	2670
$C_{13}H_9ClO_2$ -----	3962
$C_{13}H_9Cl_2NO$ -----	3106
$C_{13}H_9F_3O_2$ -----	3944
$C_{13}H_9N$ -----	2995
$C_{13}H_{10}$ -----	31
$C_{13}H_{10}BrNO$ -----	3084
$C_{13}H_{10}ClNO$ -----	3086
$C_{13}H_{10}Cl_2O_2S$ -----	4039
$C_{13}H_{10}O$ -----	2627
$C_{13}H_{10}O_2$ -----	557, 2104
$C_{13}H_{10}O_3$ -----	160
$C_{13}H_{11}ClO_2S$ -----	4036, 4040
$C_{13}H_{11}N$ -----	3025
$C_{13}H_{11}NO_4$ -----	3205
$C_{13}H_{12}$ -----	39
$C_{13}H_{12}ClNO_2$ -----	3360
$C_{13}H_{12}N_2O$ -----	3124
$C_{13}H_{12}O$ -----	2127, 2128
$C_{13}H_{12}O_3$ -----	2155
$C_{13}H_{13}Cl_2N_3O$ -----	3470
$C_{13}H_{13}N$ -----	3125
$C_{13}H_{13}NO_2S$ -----	3094
$C_{13}H_{13}NO_3$ -----	3204
$C_{13}H_{14}Br_2O_4$ -----	3993
$C_{13}H_{14}O_2$ -----	1914, 2110, 2129
$C_{13}H_{14}O_3$ -----	945, 1344
$C_{13}H_{14}O_4$ -----	1766, 1767
$C_{13}H_{14}O_6$ -----	1208, 1954
$C_{13}H_{15}BrO_3$ -----	3699
$C_{13}H_{15}BrO_4$ -----	3983
$C_{13}H_{15}NO_2$ -----	3208, 3418
$C_{13}H_{15}N_3O_2$ -----	3170
$C_{13}H_{16}Br_2O_3$ -----	3704
$C_{13}H_{16}ClNO$ -----	3195
$C_{13}H_{16}O$ -----	2646, 2665, 2675
$C_{13}H_{16}O_2$ -----	426, 620, 710, 936, 1361, 1962, 1989, 2011, 2130, 2136, 2159, 2515, 2546.
$C_{13}H_{16}O_3$ -----	399, 469, 497, 511, 540, 561, 562, 678, 934, 944, 1173, 1842, 1849, 1860, 1892, 1980, 2005, 2023, 2148, 2154, 2543.

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$C_{13}H_{16}O_4$ -----	692, 1202, 1209, 1213, 1510, 1782, 2095, 2498
$C_{13}H_{16}O_5$ -----	1206, 2094
$C_{13}H_{17}BrO_2$ -----	3909, 3994
$C_{13}H_{17}BrO_3$ -----	3713, 3717
$C_{13}H_{17}ClO_2$ -----	3770, 3866, 3867, 3868
$C_{13}H_{17}ClO_3$ -----	3761, 3878, 3928
$C_{13}H_{17}NO$ -----	3194, 3196, 3434, 3435, 3436, 3496
$C_{13}H_{17}NO_2$ -----	3437
$C_{13}H_{17}NO_3$ -----	3443
$C_{13}H_{17}NO_4$ -----	3252, 3254
$C_{13}H_{18}O$ -----	316, 2137, 2635
$C_{13}H_{18}O_2$ -----	279, 438, 459, 569, 635, 643, 647, 693, 694, 720, 721, 728, 740, 741, 768, 952, 957, 1369, 1370, 1376, 1386, 1387, 1424, 1427, 1869, 1965, 1969, 1976, 1993, 1996, 2001, 2014, 2018, 2050, 2054, 2063, 2147, 2153, 2160, 2191, 2200, 2260, 2261, 2307, 2317, 2318, 2342, 2349, 2361, 2362, 2395, 2401, 2406, 2412, 2513.
$C_{13}H_{18}O_3$ -----	239, 241, 256, 264, 384, 390, 393, 445, 522, 579, 587, 605, 638, 654, 691, 746, 766, 1220, 1301, 1423, 1514, 1519, 1971, 1982, 1998, 2055, 2205, 2415, 2433.
$C_{13}H_{18}O_4$ -----	404, 446, 525, 1878, 1882
$C_{13}H_{19}ClO$ -----	3959
$C_{13}H_{19}ClO_3$ -----	3584
$C_{13}H_{19}NO$ -----	2981, 3073, 3543, 3553, 3561
$C_{13}H_{19}NO_2$ -----	3075, 3076
$C_{13}H_{20}O$ -----	2637, 2651, 2683, 2684, 2726, 2757, 2928
$C_{13}H_{20}O_2$ -----	220, 221, 685, 818, 1118, 2202
$C_{13}H_{20}O_3$ -----	1143
$C_{13}H_{20}O_4$ -----	347, 1207, 2180
$C_{13}H_{21}ClO_2$ -----	3815
$C_{13}H_{21}O_4P$ -----	4102
$C_{13}H_{22}$ -----	24
$C_{13}H_{22}O$ -----	2723, 2765, 2822
$C_{13}H_{22}O_2$ -----	875, 919, 969, 980, 995, 1042, 1091, 1092, 1120, 1125, 1130, 1135, 1139, 1164, 1815, 1836, 1839, 1843, 1848, 1921, 1953, 2300, 2301.
$C_{13}H_{22}O_3$ -----	1011, 1152, 1334
$C_{13}H_{22}O_4$ -----	1033, 1214, 1560
$C_{13}H_{23}BrO_2$ -----	4003, 4004
$C_{13}H_{23}ClO_2$ -----	3817, 3821, 3824, 3830, 3832
$C_{13}H_{23}ClO_3$ -----	3826
$C_{13}H_{24}O_2$ -----	375, 793, 986, 998, 1017, 1045, 1048, 1081, 1274, 1323, 1324, 1385, 1580, 1838, 2081, 2082, 2277, 2370, 2374, 2379, 2389.
$C_{13}H_{24}O_3$ -----	987, 1015, 1017, 1069, 1178
$C_{13}H_{24}O_4$ -----	1009, 1200
$C_{13}H_{25}BrO_2$ -----	3625, 3637

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$C_{13}H_{25}ClO_2$ -----	3665
$C_{13}H_{25}N$ -----	3302
$C_{13}H_{25}NO$ -----	3509
$C_{13}H_{25}NO_3$ -----	3000
$C_{13}H_{25}NO_4$ -----	3253
$C_{13}H_{26}O_2$ -----	179, 376, 781, 783, 1216, 1304, 1307, 1425, 1475, 1586, 1593, 1598, 1607, 1827, 2043, 2052, 2075, 2346, 2392, 2398.
$C_{13}H_{26}O_3$ -----	1272, 1432
$C_{13}H_{26}O_4$ -----	2590
$C_{13}H_{27}NO$ -----	3152, 3155
$C_{13}H_{28}O_2$ -----	188, 213
$C_{13}H_{28}O_6$ -----	202
$C_{14}H_8Br_2O_2$ -----	3727
$C_{14}H_8BrO_4$ -----	3958
$C_{14}H_8Cl_3O_2$ -----	3643, 4055
$C_{14}H_8NO_6$ -----	3407
$C_{14}H_{10}$ -----	3, 57
$C_{14}H_{10}ClNO_3$ -----	3050
$C_{14}H_{10}O_2$ -----	2626
$C_{14}H_{10}O_3$ -----	2208
$C_{14}H_{10}O_9$ -----	166
$C_{14}H_{11}ClO$ -----	3743
$C_{14}H_{11}ClO_2$ -----	4054
$C_{14}H_{11}N$ -----	3256
$C_{14}H_{11}NO_3$ -----	3444
$C_{14}H_{11}NS_2$ -----	3109
$C_{14}H_{12}ClNO_2$ -----	3219
$C_{14}H_{12}Cl_2O_2S$ -----	4037
$C_{14}H_{12}N_2O_2$ -----	3438
$C_{14}H_{12}O_2$ -----	546, 559
$C_{14}H_{12}O_3$ -----	533, 1267, 1898
$C_{14}H_{13}NO$ -----	3562
$C_{14}H_{13}NO_2$ -----	3224
$C_{14}H_{13}N_3$ -----	3241
$C_{14}H_{13}N_3O$ -----	3107
$C_{14}H_{13}N_3O_4$ -----	3259
$C_{14}H_{14}$ -----	17, 29
$C_{14}H_{14}O$ -----	2226
$C_{14}H_{14}O_2$ -----	747, 748, 1394, 1556, 1858, 2423
$C_{14}H_{14}O_4$ -----	1144, 1753
$C_{14}H_{14}O_6$ -----	1946
$C_{14}H_{15}N$ -----	3237
$C_{14}H_{15}NO_2$ -----	3416
$C_{14}H_{16}O_2$ -----	1931
$C_{14}H_{16}O_3$ -----	1728
$C_{14}H_{16}O_4$ -----	1212, 1777
$C_{14}H_{16}O_6$ -----	1788, 1789
$C_{14}H_{17}ClO_3$ -----	3937
$C_{14}H_{17}NO_3$ -----	3200, 3440
$C_{14}H_{18}BrNO_4$ -----	3974
$C_{14}H_{18}Br_2O_3$ -----	3701, 3702
$C_{14}H_{18}N_2O_5$ -----	2993
$C_{14}H_{18}O$ -----	281
$C_{14}H_{18}O_2$ -----	425, 939, 993, 1099, 1103, 1412, 1961, 1988, 2516
$C_{14}H_{18}O_3$ -----	398, 470, 509, 583, 731, 739, 752, 1007, 1504, 1523, 1911, 2192.

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$C_{14}H_{18}O_4$ -----	411, 563, 599, 695, 806, 1145, 1203, 1345, 1509, 1758, 1761, 1770, 1865, 2092, 2093, 2321.	$C_{14}H_{28}O_2$ -----	144, 357, 717, 795, 1365, 1464, 1584, 1871, 2072, 2288, 2302, 2303, 2394.
$C_{14}H_{19}BrO_2$ -----	3915, 3946	$C_{14}H_{28}O_3$ -----	1469
$C_{14}H_{19}BrO_3$ -----	3707	$C_{14}H_{28}O_4$ -----	769, 1292, 2064
$C_{14}H_{19}ClO$ -----	3897	$C_{14}H_{29}NO$ -----	3383
$C_{14}H_{19}ClO_2$ -----	3732, 3733, 3737, 3865, 3925, 3948, 3949	$C_{14}H_{30}BrO_2$ -----	4015
$C_{14}H_{19}ClO_3$ -----	3638, 4061	$C_{14}H_{30}O$ -----	2807
$C_{14}H_{19}NO$ -----	3547	$C_{14}H_{30}O_2$ -----	192, 217
$C_{14}H_{19}NO_2$ -----	3432	$C_{14}H_{30}O_4$ -----	182, 184
$C_{14}H_{19}NO_3$ -----	3308	$C_{14}H_{31}NO$ -----	3374
$C_{14}H_{19}NO_4$ -----	3251	$C_{15}H_{12}Br_2O_5$ -----	3902
$C_{14}H_{20}Cl_2O$ -----	3896	$C_{15}H_{12}Cl_4O_2$ -----	3965
$C_{14}H_{20}O_2$ -----	429, 441, 455, 571, 622, 623, 633, 706, 756, 759, 797, 955, 1270, 1327, 1360, 1404, 1417, 1418, 1422, 1428, 1600, 1724, 1725, 1824, 1967, 1974, 1991, 2038, 2039, 2056, 2084, 2138, 2144, 2166, 2188, 2297, 2305, 2306, 2308, 2309, 2334, 2353, 2363, 2364, 2411, 2514.	$C_{15}H_{12}N_2O_3$ -----	3309
$C_{14}H_{20}O_3$ -----	254, 265, 266, 402, 417, 478, 519, 524, 529, 588, 627, 798, 802, 1224, 1446, 1517, 1800, 1802, 1803, 1958, 1985, 2008, 2336, 2340, 2414, 2559.	$C_{15}H_{12}O$ -----	2657
$C_{14}H_{20}O_4$ -----	506, 805, 1260, 1795	$C_{15}H_{12}O_4$ -----	454, 1765
$C_{14}H_{21}NO$ -----	3068, 3069, 3462, 3538, 3541, 3551, 3552, 3560	$C_{15}H_{13}BrO_2$ -----	3992
$C_{14}H_{21}NO_2$ -----	3222	$C_{15}H_{13}ClO$ -----	3884, 3885
$C_{14}H_{22}O$ -----	292, 293, 2685	$C_{15}H_{13}ClO_2$ -----	3603, 3682
$C_{14}H_{22}O_2$ -----	216, 272, 1117, 2167, 2614, 2789	$C_{15}H_{13}NO_3$ -----	3445
$C_{14}H_{22}O_3$ -----	189, 214	$C_{15}H_{14}O_2$ -----	415, 471, 472, 672, 675, 1738, 1740, 1813, 1814, 1956, 1981.
$C_{14}H_{22}O_4$ -----	991, 1149, 1151	$C_{15}H_{14}O_3$ -----	504, 538, 556, 596, 611, 809, 1557, 1905, 2570, 2571
$C_{14}H_{23}BrO_2$ -----	3615, 3798, 3848	$C_{15}H_{15}NO$ -----	3544, 3554
$C_{14}H_{23}ClO_2$ -----	3640, 3814, 3849	$C_{15}H_{15}NO_2$ -----	3225, 3226, 3227, 3571
$C_{14}H_{24}O_2$ -----	726, 840, 841, 873, 1041, 1068, 1090, 1119, 1127, 1138, 1159, 1373, 1919, 2316, 2356, 2357, 2804.	$C_{15}H_{15}NO_3$ -----	3221
$C_{14}H_{24}O_3$ -----	1025, 1026, 1080, 1113, 1340	$C_{15}H_{16}Cl_6O_4$ -----	3752
$C_{14}H_{24}O_4$ -----	1032	$C_{15}H_{16}N_2O_2$ -----	3592
$C_{14}H_{24}O_5$ -----	1945	$C_{15}H_{16}O_2$ -----	749, 1395
$C_{14}H_{25}ClO_2$ -----	3816, 3819, 3822, 3831	$C_{15}H_{16}O_6$ -----	1499
$C_{14}H_{25}ClO_3$ -----	3809	$C_{15}H_{17}NO$ -----	3361, 3362
$C_{14}H_{26}ClNO$ -----	3214	$C_{15}H_{18}O_2$ -----	932, 1112, 1168
$C_{14}H_{26}N_2O_2$ -----	3186	$C_{15}H_{18}O_3$ -----	387
$C_{14}H_{26}O$ -----	287	$C_{15}H_{18}O_4$ -----	2589
$C_{14}H_{26}O_2$ -----	207, 284, 725, 732, 997, 1059, 1071, 1073, 1075, 1295, 1354, 1355, 1356, 1577, 2280, 2375, 2391, 2809.	$C_{15}H_{18}O_6$ -----	1497
$C_{14}H_{26}O_3$ -----	1016	$C_{15}H_{19}ClO_2$ -----	3806
$C_{14}H_{26}O_4$ -----	1909	$C_{15}H_{20}Br_2O_3$ -----	3703, 3706
$C_{14}H_{26}O_5$ -----	1489, 1491, 1492	$C_{15}H_{20}O$ -----	280
$C_{14}H_{26}O_6$ -----	1874	$C_{15}H_{20}O_2$ -----	453, 495, 625, 977, 1002, 1039, 1052, 1348, 1863, 2111, 2319, 2539.
$C_{14}H_{27}ClO_2$ -----	3936	$C_{15}H_{20}O_3$ -----	378, 391, 581, 644, 1029, 1171, 1426
$C_{14}H_{27}N$ -----	3141	$C_{15}H_{20}O_4$ -----	1496, 1596, 1774, 1780, 1793, 1823
$C_{14}H_{27}NO_4$ -----	3250	$C_{15}H_{21}BrO_2$ -----	3916
$C_{14}H_{28}Cl_2O_2$ -----	3899	$C_{15}H_{21}BrO_3$ -----	3608, 3712, 4005
		$C_{15}H_{21}ClO_2$ -----	3919
		$C_{15}H_{21}ClO_3$ -----	3639, 3768
		$C_{15}H_{21}NO$ -----	3197, 3199
		$C_{15}H_{21}NO_4$ -----	3249
		$C_{15}H_{21}NO_5$ -----	3396
		$C_{15}H_{22}O_2$ -----	430, 437, 440, 554, 634, 640, 690, 707, 708, 709, 724, 799, 1167, 1277, 1329, 1372, 1573, 1603, 1604, 1605, 1735, 1964, 1966, 1992, 1994, 2085, 2146, 2152, 2189, 2198, 2262, 2266, 2295, 2296, 2299, 2324, 2325, 2328, 2333, 2359, 2360, 2538.

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C ₁₅ H ₂₂ O ₃ -----	212,
274, 382, 386, 400, 401, 517, 520, 523, 637,	
765, 794, 1325, 1511, 1513, 1799, 1801, 1819,	
2335, 2416.	
C ₁₅ H ₂₂ O ₄ -----	383, 1222
C ₁₅ H ₂₃ ClO-----	3790
C ₁₅ H ₂₃ NO-----	3081, 3165, 3166
C ₁₅ H ₂₃ NO ₂ -----	3220
C ₁₅ H ₂₃ O-----	349
C ₁₅ H ₂₄ -----	4, 20
C ₁₅ H ₂₄ Br ₂ O ₂ -----	3784
C ₁₅ H ₂₄ O-----	2776,
2777, 2781, 2810, 2948	
C ₁₅ H ₂₄ O ₂ -----	1136, 1154
C ₁₅ H ₂₅ NO ₂ S-----	3567
C ₁₅ H ₂₆ O-----	2811, 2814
C ₁₅ H ₂₆ O ₂ -----	983,
1054, 1067, 1124, 1126, 1162, 1166, 1420,	
2041, 2294.	
C ₁₅ H ₂₆ O ₃ -----	990, 1163
C ₁₅ H ₂₆ O ₄ -----	2024
C ₁₅ H ₂₆ O ₆ -----	807
C ₁₅ H ₂₇ ClO ₂ -----	3820
C ₁₅ H ₂₇ NO ₂ -----	3332
C ₁₅ H ₂₇ NO ₄ -----	3246
C ₁₅ H ₂₈ O ₂ -----	788,
966, 1043, 1060, 1062, 1072, 1317, 1318, 1448,	
1595, 1721, 2040, 2286, 2378, 2390, 2790.	
C ₁₅ H ₂₈ O ₃ -----	1027,
1063, 1066, 1466	
C ₁₅ H ₂₈ O ₄ -----	1300
C ₁₅ H ₂₈ O ₅ -----	1912
C ₁₅ H ₂₉ NO ₄ -----	3248
C ₁₅ H ₃₀ O-----	2460
C ₁₅ H ₃₀ O ₂ -----	763,
1250, 1379, 1407, 1547, 1585, 1587, 2029,	
2037, 2291, 2358, 2393.	
C ₁₅ H ₃₀ O ₃ -----	1473
C ₁₅ H ₃₀ O ₄ -----	1271
C ₁₅ H ₃₂ O ₄ -----	200
C ₁₅ H ₃₃ N-----	3579
C ₁₅ H ₃₄ CIN-----	3007, 3008, 3009
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C ₁₆ H ₁₁ ClO ₃ -----	3772
C ₁₆ H ₁₂ N ₂ O ₆ -----	3053
C ₁₆ H ₁₂ O ₃ -----	2249
C ₁₆ H ₁₂ O ₃ S-----	4072
C ₁₆ H ₁₄ O ₂ -----	930
C ₁₆ H ₁₄ O ₃ -----	2585
C ₁₆ H ₁₄ O ₄ -----	465,
543, 1769, 2107	
C ₁₆ H ₁₄ O ₅ -----	534
C ₁₆ H ₁₅ Cl ₅ O ₂ -----	3785
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C ₁₆ H ₁₆ Cl ₂ O ₃ -----	3890
C ₁₆ H ₁₆ O ₂ -----	450,
451, 460, 657, 660, 662, 666, 1977, 2002, 2019	
C ₁₆ H ₁₆ O ₃ -----	389,
406, 462, 502, 521, 528, 532, 544, 577, 600,	
601, 602, 604, 613, 1798, 2102.	
C ₁₆ H ₁₆ O ₄ -----	127,
407, 2108, 2578	
C ₁₆ H ₁₇ ClO-----	3886

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C ₁₆ H ₁₇ NO-----	3433
C ₁₆ H ₁₇ NO ₂ -----	3036
C ₁₆ H ₁₇ NO ₄ S-----	3097
C ₁₆ H ₁₈ N ₄ -----	3577
C ₁₆ H ₁₈ O-----	2472, 2473, 2490
C ₁₆ H ₁₈ O ₂ -----	1553
C ₁₆ H ₁₈ O ₃ -----	2481, 2485
C ₁₆ H ₁₈ O ₅ -----	2483
C ₁₆ H ₂₀ O ₂ -----	452, 912, 1140
C ₁₆ H ₂₀ O ₄ -----	1784
C ₁₆ H ₂₁ BrO ₃ -----	3709
C ₁₆ H ₂₁ ClO ₂ -----	3833
C ₁₆ H ₂₂ Br ₂ O ₄ -----	3700
C ₁₆ H ₂₂ O ₂ -----	624,
626, 714, 715, 979, 1003, 1065, 1094, 1097,	
2428, 2535.	
C ₁₆ H ₂₂ O ₃ -----	594, 1306, 1315
C ₁₆ H ₂₂ O ₄ -----	1601,
1755, 1830, 2315	
C ₁₆ H ₂₂ O ₅ -----	1205
C ₁₆ H ₂₂ O ₆ -----	1750
C ₁₆ H ₂₂ O ₁₀ -----	1944
C ₁₆ H ₂₃ BrO ₅ -----	4044
C ₁₆ H ₂₃ Br ₂ NO ₂ -----	3446
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C ₁₆ H ₂₃ O ₃ -----	187
C ₁₆ H ₂₄ N ₂ O ₂ -----	3413
C ₁₆ H ₂₄ O ₂ -----	436,
458, 553, 629, 632, 1599, 1748, 1817, 1975,	
2143, 2259, 2263, 2322, 2330, 2355.	
C ₁₆ H ₂₄ O ₃ -----	379,
380, 531, 585, 586, 1512, 1518, 1820, 1821,	
1822, 2332, 2338.	
C ₁₆ H ₂₄ O ₄ -----	186,
416, 755, 1957, 1984, 2007	
C ₁₆ H ₂₄ O ₅ -----	505, 2164
C ₁₆ H ₂₄ O ₆ -----	2178
C ₁₆ H ₂₅ NO-----	3079,
3083, 3535, 3537, 3548, 3550, 3557	
C ₁₆ H ₂₅ NO ₂ -----	3223
C ₁₆ H ₂₆ -----	9
C ₁₆ H ₂₆ O-----	2694
C ₁₆ H ₂₆ O ₂ -----	848,
961, 962, 2453	
C ₁₆ H ₂₆ O ₃ -----	858, 2474
C ₁₆ H ₂₆ O ₄ -----	1146, 1148
C ₁₆ H ₂₆ O ₅ -----	201
C ₁₆ H ₂₈ O ₂ -----	496,
712, 713, 982, 1074, 1123, 1137, 1157, 1158,	
1161, 1362, 1363, 2314, 2326.	
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41	2660	364	1754	617	4574	841	2564	1270	2042
42	2109	375	2836	618	4573	845	2173	1288	2766
45	2701	378	1901	619	4564	847	66	1291	152
46	2686	380	2106	620	4695	849	3500	1293	2909
47	2712	393	1908	621	4539	850	3499	1296	4579
50	3722	395	1434	629	4602	858	2670		
53	3721	396	1949	630	4600	860	64	1311	1476
54	2999	397	1431	642	2617	866	2620	1327-a	4675
66	479			645	1464	867	21	1327-b	4676
78	3964			648	518	891	102	1327-c	4677
81	2861	402	2244	651	1614	893	84	1341	614
82	3773	404	1229	653	4107	898	2626	1352	548
85	3368	405	2751	654	435			1356	1433
86	2501	406	353	655	1750	909	163	1358	261
90	1903	407	1230	656	1493	910	1889	1375	246
91	2821	409	2859	658	281	940	2841	1377	315
93	344	422	1458	659	951	941	1485	1386	4038
95	4585	424	3567	661	476	942	2854	1394	3417
		425	1477	662	1910	944	2649		
105	4583	427	2119	665	352	946	2657	1402	65
106	2860	446	2489	666	1942	947	2528	1450	3453
107	3129	448	2779	667	935	948	2470	1453	2605
110	3265	460	2930	669	1475	949	2773	1454	2517
111	3348	461	4658	673	2616	951	2719	1458	1197
112	133	462	4578	676	474	959	2750	1489	1529
116	2746	463	4544	677	1484	968	1473		
126	2927	463-a	4545	680	501	974	1615	1504	1469
128	1	463-b	4546	682	1943	979	166	1514	2769
132	2530	463-c	4547	683	1950	985	3112	1538	3025
141	348	465	4619	686	3196	986	3532	1540	3315
147	325	467	4727					1552	2960
150	2780	468	4708	707	3402	1002	139	1553	2961
155	3	470	4749	708	2953	1003	90	1587	4645
159	4576	473	278	709	2945	1011	283	1594	153
160	4681	483	3503	733	2818	1022	3049	1636	2853
160-a	4657	485	3563	734	2625	1026	940	1643	1506
179	2529	487	3124	736	2669	1029	2099	1646	2792
189	3045	492	3105	737	2	1031	3065	1680	2731
		494	3564	738	41	1045	2976	1698	2654
203	285			739	36	1055	2365		
205	1610	511	1902	742	4680	1091	3357		
206	2819	513	1899	744	2920	1095	1546	1706	2816
207	1261	514	2599	746-a	4598			1740	2455
210	2814	515	1756	746-X	4597	1140	3271	1762	2951
217	4860	517	1898	748	39	1170	2132	1766	1758
222	2242	518	1482	749	2567	1172	2783	1767	1761
223	249	519	2950	754	2627	1197	3072	1774	2923
227	2624	522	1952	755	2832			1775	19
228	2128	523	546	762-a	4615			1776	807
229	527	525	551	762-b	4616	1202	3584	1777	2851
230	3044	553	3168	762-c	4617	1225	4750	1780	1233
232	3403	562	4806	762-d	4618	1229	2702	1787	1516
234	3367	564	4821	766	2949	1230	2672	1788	1515
236	2127	573	1316	781	3257	1231	3351	1789	1501
243	4298	575	2619	786	263	1233	2583		
262	1759	576	362	787	2992	1236	2454	1804	3125
278	42	578	2251	790	57	1238	2618	1814	2925
283	1755	579	938	795	2561	1239	3093	1827	1593
		582	4698	796	2563	1241	3495	1851	2936
		584	1442	799	2985	1256	43	1853	271
309	2812	586	1441						

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
1854	107	2384	936	2951	1237	3602	1894	4490	4108
1876	45	2392	3042	2952	1812	3615	3885	4493	3131
1898	2935	2394	71	2953	1411	3662	120		
		2399	2676	2954	754			4501	3309
1933	3040					3710	86	4504	3889
1934	2240	2407	158	3042	4555	3711	105	4536	3746
1955	1225	2408	3046	3050	2817	3714	3729	4567	558
1963	3892	2409	154	3053	3024	3715	3735		
1969	442	2413-a	4549	3081	2724	3717	3566	4601	2104
1970	1909	2413-b	4550			3747	103	4629	95
1971	449	2415	3063			3761	3388	4630	22
1976	1196	2417	3418	3102	3512	3775	2937	4634	3749
1978	1262	2419	3415	3110	89			4678	4072
1980	1547	2424	932	3112	2772				
1996	351	2436	3100	3115	2540	3806	3962		
1997	1583	2439	3043	3116	3123	3809	559	4705	3771
		2440	2993	3117	3397	3811	4073	4731	557
2007	4571	2444	225	3130	132	3818	3163	4785	1468
2024	942	2445	931	3143	2466	3878	370	4786	1480
2026	937	2446	1825	3166	1430	3884	712		
2039	1611	2451	933			3898	1149		
2060	2962	2454	3750	3268	3088			4801	384
2062	2653	2455	950	3272	3262	3924	1483	4802	995
2065	173	2459	296	3280	3055	3927	2948	4857	3090
2066	307	2461	710	3294	355	3928	375	4858	3572
2067	2940	2472	2480			3938	813	4859	320
2068	2522	2481	3074			3940	342	4860	294
2069	259	2482	928	3303	1432	3941	316		
2072	358	2484	2977	3307	2837	3948	3449	4987	2723
2073	124	2498	3895	3311	3281	3952	3899		
2077	2206	2499	3884	3313	2629	3960	341	5004	1766
2079	2169			3314	2631	3961	321	5007	593
2094	1224	2509	3896	3317	2904	3962	2869	5010	619
		2521	3897	3318	2906	3976	13	5014	2452
2130	1819	2531	1488	3340	3052	3990	2947	5079	2310
2140	713	2543	1333	3341	2982	3995	2770	5088	1932
2144	2531	2574	1753	3377	134	3996	2946	5089	1916
2151	3644	2597	4651	3386	27			5096	280
2157	1452			3387	4078	4010	3527	5098	340
2159	2487	2620	3416			4085	3287		
2160	2473	2638	3465	3402	3886	4094	2586	5103	2366
2169	2897	2642	1807	3408	1150	4097	364		
2173	2808	2677	2941	3424	3370			5514	2247
2174	332			3429	815	4100	1855	5523	2979
2175	223	2706	2905	3431	2121	4101	1826	5528	2981
2178	2771	2710	1320	3441	2122	4109	1059	5532	2733
2182	2963	2711	1398	3444	3047	4112	960	5533	2339
2186	3199	2729	369	3454	3506	4116	963	5535	2345
2187	3197	2761	3264	3481	1466	4119	2996	5563	2862
2195	3201			3484	3936	4122	3149	5598	2884
2196	3194			3485	1465	4161	175		
		2825	2974	3486	1457	4162	150		
2209	70	2827	2969	3487	1456	4164	146	5606	483
2211	4850	2828	2964	3489	1479	4165	155	5613	1252
2266	2699	2836	2968	3490	1537	4167	156	5615	2511
2268	2520	2844	3352	3493	3940	4168	373	5616	2548
2269	2226	2894	2105	3494	1542	4169	372	5617	2695
2272	25	2895	2484	3495	1536			5622	965
2278	336	2899	4035	3496	1541			5633	1263
2280	172			3497	1533	4217	2720	5634	2661
2281	2606			3498	1534	4219	12	5639	2674
2289	961	2906	3369	3499	1679	4220	9	5656	1495
2290	962	2931	2162			4226	994	5672	3755
2291	2476	2933	1905			4230	1005	5686	1498
2292	2477	2934	314	3500	1662	4237	2745	5688	1499
2295	2486	2936	2741	3501	1678	4243	2017		
		2938	2718	3502	3951	4249	2725	5703	1764
		2939	1496	3503	1688	4252	812	5722	2361
		2940	359	3504	1668	4283	1752	5741	1301
		2941	1243	3505	1687			5743	3114
2313	927	2942	418	3506	1661			5765	273
2318	1448	2943	415	3507	1663	4327	2061	5767	253
2320	1481	2944	1350	3509	1710	4341	29	5777	2239
2337	40	2945	2054	3514	1935	4363	1848	5785	1762
2356	485	2946	2030	3550	2576				
2357	2000	2949	2921	3551	2581	4453	114		
2359	1897	2950	1290	3572	1951	4481	4861	5823	322
2361	4661								
2377	3048								

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
5824	323	6494	1013	8303	1451	10016	1563	12067	92
5833	3666	6498	1009	8323	1474	10020	2656	12099	2691
5836	809			8328	1751	10032	1266		
5849	2352			8356	660	10034	3501		
5859	1103	6503	2225	8357	675	10035	3330	12105	1793
5860	1863	6505	2220	8386	1870	10049	3530	12119	3041
5863	1253	6528	1787			10050	3207	12120	269
5886	3060	6535	1104			10054	956	12133	2623
5894	3894	6591	3523	8416	2256	10055	2440	12134	2622
5898	2547					10056	2550	12135	2805
								12154	984
		7027	808	8507	2621			12180	3166
5903	2228	7061	2277	8518	3204	10502	1497	12196	2880
5909	1216	7064	2788	8537	1808	10511	3473		
5916	2877			8539	3514	10519	2811		
5949	2864	7113	2789	8542	3023	10533	2168	12213	2696
5974	3496	7121	1344	8584	3039	10548	489	12218	1035
		7159	2809			10569	1267	12224	1037
		7198	1345			10593	388		
6011	1620			8604	1956				
6013	1622			8607	4041			13005	3614
6018	1400			8657	174				
6030	1326	7251	4084			11000	4511		
6059	711	7253	3392			11001	4662	13171	2351
6065	494	7262	3300	8777	3468	11009	2665	13180	2899
6067	547	7267	3385	8779	3311	11010-a	135	13187	1559
6075	535	7268	1453			11010-b	136		
						11016	1255		
				8848	2933	11065	2703	13204	1309
6113	1853	7312	2900	8869	3498	11077	2747	13205	2791
6120	700	7345	3661	8899	3336	11098	356	13216	2664
6121	1375	7356	1265					13226	2804
6122	1384	7371	2987					13229	988
6124	753			8905	3261				
6125	701	7443	1334	8906	3062	11106	2688		
6127	974			8908	3001	11136	4723		
6133	1012			8920	78	11137-a	4689	14041	556
6134	1011			8986	1147	11137-b	4690	14054	2263
6136	1020	7540	2630			11138	4581		
6137	1031	7552	2761			11139	4672	14113	2850
6138	1175	7553	2749	9017	3595	11140	4691	14147	3070
6139	1176	7570	2507	9042	3401	11142	4587	14188	985
6141	1183	7582	58	9043	3400	11162	1347	14191	986
6147	3153			9054	3087	11163	2098	14193	2831
6166	3513			9055	3583	11189	2560	14199	2436
6193	88	7620	2874	9057	7				
		7621	2125	9060	3961	11222	2883	14244	110
6203	1018	7628	4674	9064	3232	11231	2911	14249	117
6209	1015	7631	4696	9068	2628	11236	1554	14250	2575
6220	1343	7632	4582	9074	31	11244	1623	14296	4039
6229	477	7637	4565	9081	1749	11267	738	14297	4037
6259	2956	7638	4551	9083	299	11269	368	14298	4040
6286	104			9085	2602	11270	2673	14299	4036
6287	106	7701	125	9089	2523	11276	345		
6292	141	7702	2689						
6294	143	7775	3725	9108	3898	11303	2118	14307	2596
6297	164	7787	2481	9112	2453			14311	2840
6298	167	7789	3748	9122	1443			14312	2727
6299	85			9163	3890	11501	2722	14351	4808
		7823	545	9164	2479	11510	2922	14380	685
6302	108	7825	3893			11522	3387	14392	771
6314	1896	7832	2488	9209	3268	11528	3494		
6321	1368					11532	2970	14403	2257
6331	1667	7950	1335	9328	295	11534	3280	14413	2444
6334	1300	7958	1528	9347	3414	11547	2907	14443	4707
6351	1313	7959	1628			11571	2524	14472	1880
6356	1494	7998	555			11578	425		
6378	1791			9458	2171	11583	367	14500	2847
6381	1214					11595	357	14508	2865
		8016	3568					14515	3296
		8085	2028	9518	1460	11666	3883		
		8099	346	9552	2774	11671	2472		
						11683	2728		
6407	1723							14615	79
6421	1833			9611	3297			14653	3450
6442	279	8109	672					14684	3424
6443	250	8157	2846			11717	670		
6448	1033	8161	2858	9778	4042	11718	666		
6449	1032					11720	681	14705	811
6472	1185					11732	1917	14741	402
6485	3000	8222	23	9903	2449			14767	1914
		8223	1231	9931	252	12024	748	14772	1254

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
14846	4701	15455-b	4730	16559	3599	18027	2782	18486	3151
14851	162	15455-c	4731	16562	3376	18076	3744	18488	3146
14871	3404	15455-d	4732					18493	3157
14895	3405	15455-e	4733	16634	4071	18133	63		
14896	3967	15478	2485	16637	3029	18142	53	18501	744
		15481	2777	16695	3579	18142-a	54	18514	3167
14921	3769	15490	3922			18143	55	18522	3658
14932	2954			16807	3791	18143-a	56	18524	3647
		15510	1912	16867	3295	18152	671	18525	3650
15029	3244	15517	3720			18170	2490	18533	1796
15083	3263	15573	2582	16901	131	18181	1460	18542	1248
				16902	145	18183	3891	18544	1862
15123	2640	15625	170	16909	2972			18548	1804
		15626	169			18220	1218	18550	2931
15237	3459	15627	171			18246	4086	18551	1527
15276	2965	15637	3350	17012	3038	18250	1813		
15279	2995	15638	3243	17063	2781	18252	1824	18692	979
15285	3377	15660	3347	17075	533	18253	1814	18693	1076
15287	3483	15698	486			18254	1746	18694	989
15288	2852			17107	2926	18255	1859	18696	1061
15291	1241	15715	488	17109	2556	18256	1741	18699	1329
15299	3119	15717	80	17136	1258	18257	1852		
		15724	142	17150	538	18258	1096	18704	686
		15734	487	17151	508	18259	1851	18705	1102
15305	360			17152	521	18260	1093	18706	1246
15306	94	15870	4858	17153	509	18261	1850	18707	1053
15310	3142	15891	2252	17154	510	18262	1083	18708	1098
15311	317	15892	2100	17155	532	18299	3378	18710	1095
15313	3708			17193	3574			18712	1084
15321	3209					18301	3128	18713	1087
15323	3228	15949	3694			18303	286	18714	673
15324	3233	15951	4810	17242	471	18304	3481	18717	3353
15325	3451	15995	499	17243	472	18306	3341	18781	3231
15326	3255			17266	3307	18308	3591	18791	4028
15327	3237	16012	2574	17281	2776	18312	1085		
15329	3238	16013	1478	17283	2775	18336	1090		
15335	3269	16016	467	17284	3030	18340	761	18817	3491
15336	6	16047	52			18341	760	18861	3412
15337	3061	16052	2441	17317	2249	18342	762	18873	2980
15345	3242	16053	2713	17368	952	18356	707	18874	232
15346	3033	16056	2683	17391	160	18358	747		
15347	1302	16063	3698			18363	2456	18917	3605
15351	1232	16079	4811	17424	3900	18393	3284	18918	3627
15352	1621			17433	3318	18396	706	18919	3633
15356	2519			17436	3256	18397	740	18921	3626
15359	732	16106	318	17442	1051	18398	741	18941	577
15362	123	16108	168	17445	3954	18399	714	18942	595
15364	310	16114	327	17449	954			18943	597
15366	270	16115	2942			18400	715	18944	581
15370	35	16168	1944	17535	652	18403	729	18969	3757
15377	366	16169	2667	17536	653	18404	730	18978	3790
15378	46	16170	1945	17539	3968	18406	708	18994	3371
15381	144			17540	1234	18408	709		
15390	3091	16225	3857	17554	47	18411	3654	19003	864
15398	3289	16240	3507	17588	3170	18413	722	19010	2615
		16242	4126			18414	3653	19014	3291
		16246	4853			18415	750	19026	3410
15403	3428			17634	363	18416	3638	19045	3210
15410	3508	16309	3267			18418	3162	19049	3211
15415	1866	16311	3565	17734	1101	18425	2496	19050	3212
15418	4075	16316	3497	17741	3096	18427	727	19066	594
15425	3576	16320	3241			18434	2448	19068	587
15434	4510	16326	926			18436	3003	19069	579
15435	4509	16335	4809	17804	3474	18437	377	19074	592
15436	4556	16366	4403	17815	1438	18439	251	19076	591
15436-a	4559	16371	3526	17837	3887	18471	3056	19077	599
15436-b	4560	16372	4786	17850	3333	18472	3283	19078	596
15436-c	4557	16375	4835	17879	542	18473	3305		
15436-d	4218					18474	3326		
15439	4586			17941	4043	18475	3349	19113	885
15440	4592	16490	87	17966	1449	18476	3510	19125	908
15441	4603	16492	72	17969	2439	18477	3533		
15446	4659			17970	91	18478	3581	19213	586
15448	4682	16500	121			18479	3582	19214	585
15449	4700	16504	3888			18483	3158	19216	582
15452	4717	16555	3325	18019	2971	18484	3657	19217	588
15455-a	4729								

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
19221	600	19908	972	20119	948	20346	607	20607	3955
19222	601	19909	967	20125	1524	20347	609	20608	3745
19223	602	19910	966	20127	1519	20348	608	20614	464
19225	3421	19911	970	20128	1513	20349	2214	20615	461
		19919	1171	20129	1518	20350	2133	20616	444
19339	440	19939	2659	20133	858	20351	1514	20635	1731
19378	4076	19955	326	20134	929	20352	848	20660	804
19395	852	19958	2882	20135	1784	20353	898	20661	677
				20136	414	20356	1911	20662	2095
		20000	2237	20138	871	20358	1823	20675	856
19422	3963	20001	945	20139	1291	20359	1625	20677	2094
19428	2478	20002	2822	20143	880	20361	578	20682	569
19431	2475	20003	829	20144	846	20362	603	20683	610
19446	580	20005	2510	20145	3345	20365	3432	20685	2839
19447	590	20007	1734	20146	1526	20369	2230	20687	921
19455	4030	20008	1733	20155	3399	20370	2229	20691	1788
19456	1874	20009	1742	20157	3208	20371	329	20699	574
19460	604	20010	1735	20164	3396	20376	1878		
19476	2123	20011	955	20165	2089	20380	922		
		20012	957	20182	2422	20381	2572	20700	571
19542	176	20014	1739	20184	2315	20385	651	20702	2498
19559	3191	20015	1737	20188	1030	20390	2417	20717	916
19563	3115	20016	2097	20189	1006	20391	1770	20718	457
19591	1052	20018	3994	20191	3604	20393	1780	20733	1445
19592	1725	20020	3992			20395	1777	20734	1447
19593	1727	20023-X	4249	20202	857	20398	1877	20735	1446
19595	613	20027	1829	20217	3549			20736	1774
19597	1097	20032	821	20218	3536	20408	833	20737	3882
		20033	887	20220	3218	20409	923	20785	1153
19604	1099	20034	2236	20221	111	20410	853	20786	1152
19605	1740	20035	1509	20223	3195	20411	910	20787	83
19606	1289	20036	1507	20224	1521	20412	832	20797	2207
19608	1738	20037	1510	20226	82	20413	843		
19609	1094	20038	2939	20227	2397	20422	847	20803	3120
19610	1562	20040	498	20240	1504	20424	925	20815	2437
19647	953	20042	1508	20241	1500	20434	598	20821	3447
19648	1081	20044	886	20242	1502	20436	1781	20828	1490
19650	982	20045	1505	20243	692	20440	2803	20829	1492
19651	980	20048	3099	20244	901	20451	3216	20830	1491
19652	981	20050	2908	20246	899	20453	100	20831	1489
19655	990	20051	502	20247	543	20460	1765	20835	845
19657	1004	20052	3937	20248	834	20462	1772	20853	2101
19658	999	20053	3938	20251	2235	20463	1771	20856	902
19659	3793	20063	1817	20272	870	20471	484	20857	903
19660	3792	20065	1828	20273	835	20486	1785	20860	2243
19661	993	20067	1268	20274	915	20489	977	20861	3594
19662	1002	20070	1024	20275	1775	20494	1017	20875	3978
19663	998	20071	1014	20276	934	20498	831	20878	2060
19664	1001	20072	1021	20279	2234			20879	2939
19665	997	20073	1010	20292	2344	20516	424	20886	919
19696	987	20074	1019	20293	2569	20517	465	20888	101
19697	552	20075	1028	20294	904	20518	544	20896	2158
		20076	1007	20295	584	20519	3603		
19730	149	20077	1029	20296	576	20520	3760	20905	2755
19781	3085	20081	1520	20297	3075	20521	3926	20908	830
19784	992	20085	2573	20298	3076	20523	665	20909	1767
19786	1000	20089	1782	20299	3067	20524	1841	20929	973
19788	3927	20090	1865			20525	3996	20933	1946
19790	3924	20091	920	20309	844	20526	3770	20935	2182
19791	1383	20092	437	20312	914	20533	680	20936	2157
19793	1401	20093	1776	20313	2274	20536	756	20937	2190
19794	1385	20096	1517	20314	589	20545	1523	20938	2201
19795	1355	20097	1503	20315	606	20554	338	20939	2611
19796	3457	20098	1512	20316	3203	20558	3747	20940	2165
19797	524	20099	1511	20318	3205	20561	1768	20941	2176
				20325	2491	20569	2744	20942	2184
		20100	443	20326	2499	20570	2743	20943	2172
19813	529	20101	429	20333	912	20576	541	20944	884
19816	1003	20102	420	20335	879	20585	849	20945	2597
19817	1379	20103	436	20336	897	20588	907	20947	3223
19818	1354	20104	455	20337	877	20590	911	20948	1008
19819	2737	20105	463	20340	1022	20591	2223	20949	3224
19820	522	20106	460	20341	1034	20593	1217	20952	2549
19821	969	20110	906	20342	1025	20596	3413	20953	2112
19822	975	20112	944	20343	1026	20599	1027	20954	2111
19824	971	20113	3789	20344	1023			20955	2642
19858	3570	20117	115	20345	605	20600	1016	20956	1895
								20957	2090

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
20958	3676	21133	3625	21236	4011	21329	244	21426	874
20959	3630	21134	3623	21237	4016	21330	148	21427	825
20960	3607	21135	3610	21238	4002	21331-X	4514	21434-X	4220
20961	3606	21136	3622	21239	4001	21331-X _a	4515	21435-X	4219
20965	2607	21137	2604	21240	4022	21332	4009	21438-X	4243
20967	2610	21138	1732	21241	4006	21333	2215	21441-X	4381
20968	2191	21139	3628	21242	4000	21334	563	21442-X	4380
20969	2166	21142	3612	21245	3723	21335	648	21446-X	4475
20970	2188	21143	3608	21248	4007	21337	2093	21448-X	4756
20971	2198	21144	3611	21249	2241	21338	432	21453-X	4790
20972	2189	21145	3618	21250	2544	21339	839	21455-X	4817
20973	2186	21146-X	4271	21252	2646	21340	861	21456-X	4827
20974	2197	21147-X	4272	21254	2321	21341	866	21457-X	4826
20975	2202	21148-X	4273	21260	4021	21342	917	21459-X	4836
20976	2160	21149	2117	21261	234	21343	1112	21461	386
20977	2167	21150	2115	21262	236	21344	1114	21462	379
20979	1842	21151	2114	21263	238	21345	1141	21465	387
20980	1849	21152	2116	21264	239	21347	2578	21466	1191
20981	731	21153	93	21265	241	21348	3846	21468-X	4267
20982	739	21154	650	21266	243	21349	2598	21469-X	4264
20983	1306	21155	649	21267	245	21350	1132	21470-X	4269
20984	1315	21156	3635	21268	258	21354	1113	21471-X	4266
20987	2156	21157	3609	21269	260	21355	3917	21472-X	4268
20991	2137	21158	3613	21270	262	21356	3912	21473-X	4265
20992	2135	21159	2735	21271	2757	21358-X	4472	21477	1111
20996	473	21160	656	21272	2233	21359-X	4473	21478	1131
20997	3718	21161	664	21273	2635	21360-X	4202	21479	1134
		21162	4047	21277	4014	21363-X	4191	21480	1121
		21165	3108	21278	4003	21365-X	4120	21481	1139
		21166	3109	21282	661	21366-X	4751	21484	1142
21001	565	21167	3113	21283	690	21367-X	4845	21485	1128
21002	561	21170	854	21284	691	21370-X	4342	21486	1115
21003	2217	21171	863	21285	876	21371	1830	21487	1127
21004	2254	21172	900	21286	888	21372	2958	21488	1122
21005	2551	21173	878	21287	4004	21373	3909	21489	1125
21006	255	21175	3970	21293	2185	21374	2714	21490	1983
21008	805	21177	3977	21294	4020	21375	2250	21491	1986
21009	1906	21178	1891	21296	2986	21377	3915	21492	2003
21010	991	21180	1867	21297	1522	21378-X	4112	21493	2195
21011	978	21181	1331	21298	3344	21380-X	4339	21494	2565
21012	1882	21182	1402	21299	4005	21384-X	4498	21495	1130
21013	1806	21183	470			21385-X	4740	21496	1117
21016	2579	21185	2924	21300	2736	21388-X	4849	21497	1138
21017	3057	21187	3111	21302-X	4516	21389	3911	21498	1126
21018	3058	21188	411	21302-X _a	4517	21390	3918		
21019	859	21189	3663	21302-X _b	4518	21391	3910	21500	1192
21020	860	21191	976	21302-X _c	4519	21392	3916	21502	2180
21021	851	21192	4026	21302-X _d	4520	21393	3998	21504	1844
21030	905	21193	4029	21302-X _e	4521	21394	3617	21505	733
21036	850	21196	1892	21302-X _f	4522	21395	4012	21506	1382
21037	2570	21197	3999	21302-X _g	4523	21396	3642	21507	1876
21038	1778	21199	4010	21302-X _h	4524	21397	3908	21509-X	4440
21039	1779			21302-X _i	4525	21398	3763	21510-X	4439
21040	2608	21200	3285	21302-X _j	4526	21399	3680	21512-X	4462
21041	2113	21206	4023	21302-X _k	4527			21513-X	4471
21042	2558	21207	4017	21302-X _l	4528	21400	3686	21514-X	4470
21043	3225	21208	4019	21302-X _m	4529	21401	3669	21515-X	4467
21044	3226	21209	1256	21302-X _n	4530	21402	3668	21516-X	4466
21045	3227	21210	2994	21302-X _o	4531	21403	765	21519-X	4754
21047	3219	21212	2505	21302-X _p	4532	21404	766	21522-X	4785
21049	3222	21213	2532	21302-X _q	4533	21405	803	21523-X	4798
21050	3220	21214	1624	21302-X _r	4537	21406	802	21524-X	4797
21051	3221	21217	3454	21304	1835	21407	3670	21525-X	4805
21052	1893	21221	2129	21305	4013	21410	3671	21526-X	4804
21057	2571	21222	2130	21306	4015	21412	2134	21527	668
21058-X	4244	21223	2131	21307	4008	21413	564	21528	3651
21059	4090	21224	4065	21308	3504	21414	570	21529	1240
21060	4031	21225	2612	21310	575	21415	615	21530	645
21061	3941	21226	2163	21316-X	4274	21416	618	21531	1190
21062	3455	21227	248	21317-X	4253	21417	2212	21532	2194
21063	3102	21228	257	21318-X	4192	21418	2211	21533	654
21064	3037	21229	267	21319-X	4133	21419	2732	21534	659
21065	3765	21230	268	21322-X	4846	21420	2216	21535	2738
21066	3409	21231	256	21324	233	21421	2219	21536	2742
21079	2161	21232	264	21325	235	21422	824	21537	676
		21233	266	21326	237	21423	842	21538	678
21101	1745	21234	265	21327	240	21424	862	21539	679
21126	69	21235-X	4411	21328	242	21425	872	21540	3971
21132	3624								

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
21541-X	4333	21634	1352	21716-X	4374	21808-X	4627	21897-X	4715
21542-X	4331	21635	1351	21717-X	4373	21809-X	4628	21898-X	4709
21543	968	21636	1377	21718-X	4376	21810-X	4629		
21544	1405	21637	1378	21719-X	4375	21811-X	4630	21900-X	4446
21545	1406	21638-X	4195	21720-X	4430	21812-X	4631	21901	669
21546	3929	21639-X	4194	21721-X	4488	21813-X	4632	21902	667
21550	1380	21640-X	4208	21722-X	4487	21814-X	4633	21906	868
21551	567	21641-X	4201	21723-X	4769	21815-X	4634	21908	218
21552	568	21642-X	4209	21724-X	4776	21816-X	4635	21909	2710
21554	674	21643-X	4211	21725-X	4775	21817-X	4636	21911	3460
21556	837	21644-X	4222	21726-X	4819	21818-X	4637	21913	2796
21557	3783	21645-X	4301	21727-X	4818	21819-X	4638	21914	1169
21558	869	21646-X	4312	21728-X	4851	21820-X	4639	21915	2708
21559	895	21647-X	4311	21729	1154	21821-X	4640	21916	2916
21560	918	21648-X	4412	21730	3849	21822-X	4641	21917	2709
21561	3975	21649-X	4431	21731	1163	21823-X	4642	21918	337
21562	646	21650-X	4500	21732	493	21824	2027	21919	2679
21564	891	21651-X	4499	21733	826	21825	855	21920	3602
21565	1381	21652-X	4503	21734	1167	21826-X	4313	21921	365
21566	1394	21653-X	4502	21735	1180	21827-X	4310	21922	1854
21568	1049	21654-X	4758	21736	1174	21828-X	4314	21923	742
21570	2495	21655-X	4781	21737	2248	21829-X	4207	21924	1388
21571	1188	21656-X	4830	21738	1168	21830-X	4206	21925	3655
21572	894	21657-X	4837	21739	896	21831-X	4205	21926	3631
21573	836	21658-X	4840	21740	3217	21832-X	4204	21927	4018
21574	1189	21659-X	4839	21741	1107	21833-X	4388	21928	1879
21576	2178	21660-X	4852	21742	1110	21834-X	4389	21929	4025
21577	893	21661	288	21743	2795	21835-X	4833	21930	4027
21578	838	21662	291	21744	1179	21836-X	4829	21931	1881
21579	1834	21663	1357	21745	1172	21837-X	4828	21932	550
21582-X	4847	21664	1393	21746	3852	21838-X	4767	21933	1926
21583-X	4841	21665	3925	21747	1181	21839-X	4766	21934	2164
21584-X	4848	21666-X	4713	21748	1177	21840-X	4770	21936	2678
21585	3619	21667-X	4714	21749	1182	21841	1119	21937	2707
21586	1389	21668-X	4711	21750	1173	21842	1129	21938	2650
21587	1387	21669	1151	21751	1178	21843	1143	21939-X	4122
21588	1360	21670	1146	21752	1187	21844	1137	21940-X	4128
21589-X	4795	21671	3463	21753	1186	21845	1919	21941-X	4197
21590-X	4794	21672	3847	21754	1184	21846	1136	21942-X	4225
21591-X	4793	21673	1148	21755	2208	21847	1931	21943-X	4226
21592-X	4111	21674	1144	21756	3853	21848	1140	21944-X	4231
21593-X	4203	21675	96	21757-X	4469	21849-X	4784	21945-X	4238
21594-X	4210	21676	1038	21758-X	4465	21850-X	4783	21946-X	4237
21595-X	4212	21677-X	4535	21759-X	4464	21851-X	4780	21947-X	4236
21596-X	4223	21679-X	4334	21760-X	4468	21852-X	4302	21948-X	4246
21597-X	4262	21680-X	4536	21761-X	4816	21853-X	4300	21949-X	4245
21598-X	4303	21681	109	21763-X	4813	21854-X	4248	21950-X	4247
21599-X	4413	21682	1042	21764-X	4842	21855-X	4227	21951-X	4330
		21683	1041	21765-X	4843	21856-X	4772	21952-X	4329
		21684	1044	21766-X	4844	21857-X	4123	21953-X	4328
21600-X	4483	21685	1048	21767	1997	21860-X	4857	21954-X	4371
21601-X	4757	21686	1045	21768	1995	21861-X	4377	21955-X	4419
21602-X	4759	21687	3843	21769	2001	21862-X	4232	21956-X	4423
21603-X	4782	21691	1047	21770	1996	21863-X	4130	21957-X	4422
21604-X	4789	21692	1043	21771	4053	21864	2967	21958-X	4429
21605-X	4788	21693	3845	21772	2663	21865	1376	21959-X	4442
21606-X	4831	21694	382	21773	1925	21866	728	21960-X	4763
21607-X	4838	21695	380	21774	1923	21867	1915	21961-X	4762
21608	2918	21696	378	21775	1930	21868	3464	21962-X	4768
21610	1773	21697	385	21776	1924	21869	3458	21963-X	4771
21611	1116	21698	381	21777	4033	21870	3456	21964-X	4774
21612	2179	21699	492	21792	1913	21871	3462	21965-X	4787
21613	1118			21793	1933	21872	1982	21966-X	4801
21614	1120			21794	1921	21873	3976	21967-X	4855
21615	2730	21700	383	21795	4032	21874	2587	21968	445
21616	17	21701	1039	21796	1927	21875	1244	21969	404
21617	60	21702	1166	21797	1922	21876	1856	21970	3764
21618	2140	21703	1162	21798	1918	21877	1391	21971	3914
21620	1106	21704	566	21799	1920	21878	1424	21972	525
21622-X	4791	21705	616			21879	2966	21973	1998
21623-X	4792	21706	3825			21880	3461	21974	1999
21624	1036	21707	1164	21800	1123	21881	2876	21975	3390
21625	1105	21708	1157	21801	1124	21883	3323	21976	3389
21626	1349	21709	1159	21802	2092	21884	3321	21977	2652
21628	1040	21710	1161	21803-X	4622	21886	3193	21978	2643
21629	1046	21711-X	4132	21804-X	4623	21892	211	21979	2641
21630	1389	21712-X	4198	21805-X	4624	21894	3322	21980	2647
21631	3724	21714-X	4233	21806-X	4625	21896-X	4710	21981	127
21633	1374	21715-X	4372	21807-X	4626				

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
21982	2187	22713	716	23953	4080	24164-X	4116	24243	1249
21984	2139	22714	1364	23954	2903	24165	3054	24244	2502
21985	4052	22715	1296	23955	3017	24166	2136	24245	2506
21986	1991	22721	964	23956	3288	24167	2138	24246	2820
21987	1984	22722	426	23957	3306	24168	2141	24247	122
21988	1994	22724	511	23958	3290	24169	2143	24249-X	4415
21989	2086	22726	399	23959-X	4505	24170	2147	24250	306
21990	2175	22727	583	23960	941	24171	2144	24251	1276
21991	2932	22729	996	23961	3960	24172	2159	24252	309
21992	2734	22730	983	23962	3130	24173	2153	24253	34
21993	2471	22731	1058	23963	4076	24174	2146	24254	1314
21994	2825	22794	1054	23964	943	24175	2151	24255	1332
21995	2680	22795	1873	23965-X	4474	24176	2152	24256	1340
21996	1421	22796	1062	23971	2559	24177	2170	24257	1342
21997	2910	22797	1060	23972	2955	24178	3598	24258	3316
21998	2079	22799	1055	23973	38	24179	3089	24259	2685
				23974	68	24180	8	24260	128
22006	819	22800	1057	23975	4058	24181	2613	24261	1353
22073	1327	22801	1063	23976	50	24182-X	4199	24262	1361
22074	687	22802	1064	23977	61	24183	647	24263	1372
22075	1297	22803	1056	23978	28	24184	3103	24264	1373
22076	1319	22808	1211	23983	2124	24185	3104	24265	1397
22079	1303	22811	2367	23984	3426	24186	2218	24266	3324
22080	1304			23985	161	24187	3127	24267	1408
22081	1295			23986-a	137	24189	2753	24268	1409
22082	1305	23057	2555	23986-b	138	24190	2752	24269	2668
22083	1324					24191	2758	24270	2521
						24193	693	24271	1410
		23116	3493	24036	3138	24194	2636	24272	1412
		23118	3726	24037	3260	24195-X	4124	24273	1420
22104	2469	23121	2767	24038	3294	24196-X	4200	24274	1429
22131	2726	23122	2764	24039	3320	24197	3137	24275	1444
		23142	2483	24040	3327	24198	275	24276	3331
				24041	3485	24199	3145	24277	3334
				24049	2802			24278	2687
		23214	3004			24200	725	24279	1486
				24106	14	24201	726	24280	3338
		23302-X	4534	24107	26	24202	98	24281	3339
		23354	73	24108	302	24203	97	24282	3340
		23357	2108	24109	3419	24204	751	24283	140
		23375	3643	24110	3423	24205	814	24284	3342
				24111	3425	24206	816	24285	3343
		23404	2632	24112	3420	24207	3774	24286	2525
		23407	2842	24114	3430	24208	3188	24287	2526
		23412	2887	24115	3486	24209	939	24288	3355
		23415	2848	24116	3492	24210	2778	24289	3356
		23448	3850	24117	328	24211	958	24290	319
				24118	3187	24212	959	24292	2690
		23593	2504	24119	3317	24213	3215	24293	2534
				24132	130	24214	2091	24294	1561
		23699	1075	24136	180	24215	3240	24295	1598
				24137	198	24216	116	24296-X	4512
				24138	376	24217	297	24297-X	4543
		23700	1073	24139	2174	24218	1219	24298-X	4548
		23701	1071	24140	2183	24219	3266	24299-X	4553
		23747	2474	24141	2200	24220	3270		
		23749	2467	24142	187	24221	3272	24300-X	4554
		23799	3346	24143	212	24222	2815	24301-X	4563
				24144	2975	24223	2461	24302-X	4572
				24145	74	24224	2482	24303-X	4577
		23805	1072	21446	75	24225	2492	24304-X	4580
		23806	1069	24147	76	24226	2494	24305-X	4593
		23807	1067	24148	439	24227	2497	24306-X	4599
		23808	1066	24149	451	24228	3274	24307-X	4605
		23809	1079	24150-X	4193	24229	3275	24308-X	4607
		23810	1080	24151	4069	24230	3276	24309-X	4608
		23811	1065	24152	77	24231	3277	24310-Xa	4612
		23812	1070	24153	458	24232	1269	24310-Xb	4613
		23813	1077	24154	459	24233	2500	24310-Xc	4614
		23815	1068	24155	431	24234	3278	24311-X	4648
		23816	1078	24156	371	24235	3279	24312-X	4650
		23817	1074	24157	3688	24236	119	24313-X	4652
		23818	513	24158	475	24237	118	24314-X	4653
		23843	1616	24159	349	24238	1236	24315-X	4654
		23862	10	24160	227	24239	1239	24316-X	4663
		23864	2645	24161	3020	24240	1241	24317-X	4664
		23876	3398	24162	3022	24241	1487	24318-X	4666
		23882	2991	24163	81	24242	1247	24319-X	4668
22625	350								
22626	112								
22683	1199								
22704	1744								

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
24320-X	4673	24402-X	4383	24616	126	24748	1050	24879-X	4866
24321-X	4688	24403	44	24617	311	24749	655	24884-X	4113
24322-X _a	4693	24404-X	4125	24618	2902	24750	2594	24885-X	4114
24322-X _b	4692	24405-X	4127	24619	151	24751	2541	24886-X	4115
24323-X	4694	24406-X	4270	24620	129	24752	2595	24887	15
24324-X	4703	24407-X	4407	24621	1763	24753	2430	24888	764
24325-X	4704	24408-X	4406	24622	2527	24754	2402	24889	1872
24326-X	4706	24409-X	4405	24623	3982	24755	2407	24890	1336
24327-X	4718	24410-X	4404	24625	3919	24756	2648	24891	3234
24328-X	4719	24411-X	4408	24629	3298	24757	2445	24892	4082
24329-X	4720	24412-X	4678	24630	3293	24758	1810	24893	4087
24330-X	4724	24413-X	4859	24631	3386	24759	230	24894	3472
24331-X	4726	24414-X	4438	24632	3374	24760	282	24895	2787
24332	1617	24430	2740	24634	3585	24761	2705	24896	2823
24333	1618	24433	2768	24635	3490	24762	2385	24897	2829
24334	3952	24434	1259	24636	3586	24763	2413	24898	2863
24335	2913	24436	1260	24637	3239	24764	1728	24899	2868
24336	2915	24472	2145	24638	3301	24765	2677		
24337	2706	24473	724	24640	3302	24766	779	24900	2867
24338	2711	24474	3879	24641	3141	24767	767	24901	2886
24339	1730	24475	301	24642	3143	24768	228	24902	2885
24340	2553	24476	2552	24643	3575	24769	2644	24903	2888
24341	2554	24477	2717	24644	3529	24770	2763	24904	2889
24342	3408	24478	1811	24645	3528	24771	2715	24905	2891
24343	3411	24479	3018	24647	3470	24772	2386	24906	2895
24344	2934	24480	2786	24648	3531	24773	2716	24907	2912
24345	3427	24483	49	24649	313	24774	2651	24918-X	4492
24346-X	4755	24486	37	24655-X	4606	24775	3375	24919-X	4493
24347	3448	24487-X	4513	24656-X	4643	24776	1339	24920	2227
24348	3282	24488-X	4705	24657-X	4644	24777	2870	24922-X	4275
24349	1809	24489-X	4569	24658-X	4649	24778	2866	24923-X	4276
24350	229	24490-X	4575	24659-X	4669	24779	1609	24924	3133
24351	1815	24491-X	4604	24660-X	4670	24780	2692	24925	3132
24352	1816	24492-X	4611	24661-X	4671	24781	2739	24926	3118
24353	1839	24494-X	4656	24662-X	4667	24782	2892	24927	3393
24354	1840	24495-X	4660	24663-X	4596	24783	2693	24928	3373
24355	1843	24497-X	4697	24663-X _a	4595	24784	226	24929	3117
24356	1861	24498-X	4722	24690	324	24785	947	24930	3391
24357	1864			24692	3851	24786	946	24931	3299
24358	1838			24696	20	24787	2794	24932	3372
24359	2943	24500-X	4196	24697-X	4484	24788	2798	24933	3116
24360	3487	24502	3422	24698-X	4321	24789	2784	24934	3452
24361	3489	24503-X	4590	24698-X _a	4540	24790	2638	24946	1525
24362-X	4777	24504-X	4591	24699-X	4476	24791	2639	24947	2577
24363	2944	24505-X	4687			24792	2760	24966	1790
24364-X	4779	24506-X	4728	24700-X	4778	24793	2754	24971	1198
24365	3502	24507-X	4558	24701-X	4485	24794	1613	24972	1109
24366	157	24508-X	4752	24703	3312	24795	694	24973	2843
24367	331	24509-X	4753	24705-X	4760	24796	2704	24974	2806
24368	159	24510-X	4491	24706-X _a	4620	24797-X	4807	24975	2807
24369	1907	24511-X	4734	24706-X _b	4621			24976	2826
24370	1900	24512-X	4228	24707-X	4712	24809	3236	24977	3171
24372	3511	24513-X	4254	24708	2238	24810-X	4541	24983	3319
24373	2721	24514-X	4501	24709	2855	24811-X	4552	24997	2568
24374	62	24524-X	4250	24710	2856	24812-X	4561	24998	2253
24375	4034	24525-X	4251	24711	2857	24813-X	4562	24999	2603
24376	165	24526-X	4646	24712	2878	24814-X	4566		
24377	1953	24527-X	4647	24713	2894	24815-X	4567		
24378	67	24528-X	4378	24714	2697	24816-X	4570	25000	2562
24379	335	24529-X	4796	24728	3169	24817-X	4584	25001	30
24380	339	24530-X	4822	24730	194	24818-X	4588	25002	2997
24381	1954	24531-X	4824	24731	196	24819-X	4589	25021	1619
24382	1973	24532-X	4825	24732	208	24820-X	4601	25024	2062
24383	3569	24533-X	4823	24733	195	24821-X	4610	25033	3596
24384	3577	24558	4068	24734	210	24822-X	4655	25034	3329
24385	3578	24559	3959	24735	222	24823-X	4542	25036	3989
24386	3587	24568	3597	24736	207	24824-X	4665	25037	1606
24387	3588	24574	3144	24737	221	24825-X	4679	25038	1337
24388	2040	24575	3139	24738	179	24826-X	4716	25039	2107
24389	2041	24576	3140	24739	206	24829	4	25040	3727
24390	2046	24589	2024	24740	209	24841-X	4814	25041	2682
24391	2047	24590-X	4252	24741	185	24842-X	4815	25042	2658
24392	3286	24591-X	4255	24742	292	24843-X	4538	25043	4091
24393	3292	24592-X	4447	24743	287	24844	2938	25044	2655
24394	3304	24593-X	4448	24744	1346	24871	1108	25045	305
24395	3580	24594	59	24745	312	24872	682	25046	298
24396	3019			24746	293	24873	684	25047	303
		24615	3844	24747	1890	24874	683	25048	3903

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
25049	304	25136	2917	30002	3548	30097	1976	30185	630
25050	2246	25137	2700	30003	2077	30098	1969	30186	632
25051	277	25138	2245	30004	2083	30099	1170	30187	621
25052	276	25139	3901	30005	2591			30188	624
25053	330	25140	2793	30006	220	30100	203	30189	625
25054	2537	25141	2509	30007	3354	30101	1885	30190	620
25055	2443	25142	2844	30011	3053	30102	817	30191	631
25056	2442	25143	2435	30012	3084	30103	4051	30192	641
25057	2447	25144	2633	30015	3101	30104	1972	30193	642
25058	2468	25145	2828	30016	3082	30105	3539	30194	3742
25059	2493	25146	2879	30024	2078	30106	3541	30195	644
25060	2503	25147	2827	30025	3552	30107	4050	30196	3772
25061	2446	25148	2801	30026	4063	30108	1967	30197	3646
25062-X	4609	25149	2518	30027	4062	30109	1966	30198	662
25063	3360	25150	2901	30028	2063	30110	1961	30199	3126
25064	308	25151	3921	30029	2067	30111	1962		
25065	2896	25152	2952	30030	2068	30113	1884	30200	3110
25066	481	25153	2799	30031	2080	30114-X	4765	30201	3632
25067	191	25171	3007	30034	2071	30115-X	4764	30202	1928
25068	480	25172	3008	30035	539	30116-X	4863	30203	515
25069	2824	25173	3010	30036	562	30117-X	4862	30204	3620
25071	2671	25174	3015	30037	2126	30118-X	4504	30205	1558
25072	2675	25175	3009	30038	2210	30119-X	4864	30207	1557
25073	2684	25176	3013	30039	820	30120	663	30208	3121
25074	2830	25177	3014	30041	822	30121	2998	30209	636
25075	1612	25179	3011	30042	617	30123	1888	30210	3083
25076	2875	25180	2790	30043	2199	30124	1883	30211	3636
25077	1572	25181	3965	30044	2600	30125	698	30212	800
25078	284	25182	11	30045	482	30126	3535	30213	787
25079	1571	25183	3328	30046	810	30127	1955	30214	785
25080	2893	25184	3395	30047	147	30128	1960	30215	796
25081	478	25186	3002	30048	2914	30129	1965	30216	786
25082	2637	25187-X	4684	30049	51	30130	3538	30217	784
25083	24	25188-X	4683	30050	343	30131	3542	30218	783
25084	2765	25189-X	4702	30051	2031	30133	1957	30219	3080
25085	4070	25190	2929	30052	3590	30134	1971	30220	3767
25086	2694	25191	4093	30053-X	4393	30135	1978	30221	3766
25087	2810	25192	4100	30054-X	4392	30136	1977	30222	791
25089	1215	25193	2813	30055-X	4391	30137	721	30223	3077
25090	2833	25194-X	4685	30056-X	4390	30138	1370	30224	768
25091	2845	25195-X	4686	30057-X	4832	30139	2039	30225	797
25092	2536	25196-X	4507	30058-X	4834	30140	3560	30226	799
		25197-X	4508	30059	2584	30141	1418	30227	776
		25198-X	4506	30060	949	30142	1786	30228	778
25100	3005			30061	1886	30143	2120	30229	2458
25101-X	4414			30062	745	30144	611	30230	828
25102	3006	25222	2959	30063	3656	30145	1963	30231	540
25103-X	4424	25226-X	4304	30064	2050	30146	3557	30232	573
25104-X	4425	25227-X	4305	30065	2076	30147	643	30234	500
25105	3313	25228-X	4306	30066	2072	30148	635	30235	3202
25106-X	4426	25229-X	4307	30067	2070	30149	1964	30236	2450
25107-X	4427	25230-X	4308	30068	3545	30150	633	30237	3524
25108	3314	25231-X	4309	30069	2074	30151	622	30238	2593
25109-X	4119	25232-X	4812	30070	2064	30152	639	30239	882
25110-X	4117	25244-X	4699	30071	2087	30153	628	30240	777
25111-X	4118	25252	300	30073	2075	30154	623	30241	769
25112	3016	25253	231	30074	2084	30155	640	30242	789
25113-X	4481	25257	3573	30075	3547	30156	634	30243	772
25114-X	4326	25258	3691	30076	2085	30157	1980	30244	801
25115-X	4299	25259	2102	30077	2082	30158	3741	30245	798
25116-X	4323	25260	3066	30078	1993	30159	3740	30246	790
25117-X	4480	25261	4074	30079	3544	30160	638	30248	780
25118-X	4221	25262	3754	30080	491	30162	627	30249	2835
25119-X	4479	25263	3429	30082	490	30164	2213	30250	3862
25121-X	4478	25264	2800	30083	1887	30165	2222	30251	428
25122-X	4725	25266-X	4359	30084	528	30166	889	30252	413
25123-X	4322	25267-X	4409	30085	2797	30167	827	30253	497
25124	2149	25268-X	4360	30086	1987	30168	450	30254	865
25125-X	4482	25269-X	4410	30087	2069	30169	657	30255	347
25126-X	4477	25272-X	4865	30088	1988	30170	1369	30256	272
25127-X	4325			30089	1989	30171	658	30257	224
25128-X	4594			30090	3546	30172	3122	30258	795
25129-X	4324	25315	2512	30091	2081	30179	637	30259	3073
25130-X	4443	25337	1726	30092	2073	30180	3078	30260	782
25131	2662	25339	2729	30093	1979	30181	3079	30261	781
25132	18	25349	3235	30094	1970	30182	3071	30262	3164
25133	3758			30095	1959	30183	626	30263	433
25134	2849	30000	3551	30096	1968	30184	629	30264	416
25135	2919	30001	2066						

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
30265	452	30346-X	4428	30429	1822	30506	759	30590	3634
30268	446	30347-X	4441	30430	3021	30507	1227	30591	3660
30269	1708	30348-X	4761	30431	4024	30508	1226	30592	2036
30272	289	30349-X	4773	30432	3673	30509	1366	30593	2051
30273	202	30350-X	4800	30433	1797	30510	1367	30594	3934
30274	190	30351	423	30434	705	30511	1570	30595	3932
30275	215	30352	3876	30435	1223	30512	1220	30596	530
30276	183	30353	3872	30436	1082	30513	3931	30597	507
30277	182	30354	792	30437	704	30514	4059	30598	1425
30278	184	30355	3555	30438	3081	30515	4060	30599	1088
30279	200	30356	794	30439	1798	30516	2045		
30280	188	30357	3768	30440	688	30517	2044	30600	1415
30281	213	30358	773	30441	1100	30518	1086	30601	520
30282	204	30359	774	30442	3674	30519-X	4189	30602	3697
30283	192	30360	775	30443	1238	30520-X	4186	30603	3696
30284	217	30361	2428	30444	1607	30521-X	4188	30604	2424
30285	201	30362	2348	30445	1553	30522-X	4190	30605	2427
30286	189	30363	2425	30446	909	30523-X	4868	30606	1427
30287	214	30364	3870	30447	1221	30524-X	4496	30607	526
30288	216	30365	1390	30448	1858	30525	2681	30608	1428
30289	219	30366	2350	30449	749	30526	1282	30609	523
30290	193	30367	3928	30450-X	4458	30527	3950	30610	506
30291	2221	30368	1358	30451-X	4459	30528	33	30611	2346
30292	2533	30369	3554	30452-X	4460	30529	1729	30612	2398
30293	2224	30370	2990	30453-X	4461	30530	3907	30613	2302
30294	434	30371	2614	30454	1556	30531	3920	30614	2303
30295	247	30372	1359	30455	1395	30532	3953	30615	2358
30296	254	30373	3871	30456	2065	30533	1560	30616	3957
30297	290	30375	2400	30457	770	30534	3135	30617	3406
30298	881	30376	2276	30458	417	30535	3854	30618	3273
30299	883	30377	2327	30459	2025	30536	2881	30620-X	4213
		30379	720	30460	1338	30537	1283	30621-X	4399
30300	892	30380	2038	30461	1089	30538	1341	30622-X	4397
30301	924	30381	4092	30462	1091	30540	1608	30623-X	4398
30302	913	30382	2304	30463	1092	30541	3906	30624-X	4153
30303	2557	30383	2412	30464	1362	30542	113	30625-X	4152
30304-X	4138	30384	2334	30465	1363	30543	2898	30626-X	4151
30305-X	4172	30385	3869	30466	1958	30544	2666	30627-X	4400
30306-X	4187	30387	1783	30467-X	4174	30545	2762	30628-X	4149
30307-X	4235	30388	396	30468-X	4175	30546-X	4159	30629-X	4148
30308-X	4256	30389	1417	30469-X	4170	30547-X	4157	30630-X	4396
30309-X	4257	30390	514	30470-X	4171	30548-X	4158	30631-X	4395
30310-X	4349	30391	427	30471-X	4136	30549-X	4164	30632-X	4394
30311-X	4350	30392	2399	30472-X	4134	30550-X	4163	30633-X	4143
30312-X	4351	30393	3987	30473-X	4180	30551-X	4162	30634-X	4142
30313-X	4352	30394	3997	30474-X	4178	30552-X	4161	30635-X	4139
30314-X	4354	30395	3616	30475-X	4444	30553-X	4166	30636-X	4141
30315-X	4358	30397-X	4802	30476-X	4185	30554-X	4165	30637-X	4140
30316-X	4340	30398-X	4799	30477-X	4234	30555-X	4168	30638-X	4184
30317-X	4343	30399-X	4803	30478-X	4129	30556-X	4160	30639-X	4183
30318-X	4741			30479-X	4131	30557-X	4167	30640-X	4150
30319-X	4742	30400-X	4489	30480-X	4856	30558-X	4169	30641	2275
30320	456	30402-X	4486	30481-X	4854	30559-X	4353	30642	3466
30321	3684	30403-X	4490	30482-X	4230	30560-X	4355	30643	519
30322	419	30404-X	4135	30483-X	4229	30561-X	4356	30644	503
30323	793	30405-X	4179	30484-X	4421	30562-X	4867	30645	505
30324	788	30406-X	4181	30485-X	4420	30564-X	4494	30646	3253
30325	3685	30407-X	4182	30486	1257	30565-X	4495	30647	3250
30326	438	30408-X	4173	30487	1288	30566	3437	30648	504
30327	421	30409-X	4176	30488	1356	30568	3012	30649	2389
30328	3664	30410-X	4177	30489	1235	30572	2103	30650	531
30329	442	30411-X	4445	30490	1792	30573	1743	30651	2391
30330	3559	30412	2347	30491	3986	30574	2204	30652	2390
30331	3069	30413	3988	30492	1722	30575	4105	30653	2280
30332	3561	30414	1801	30493	1280	30576	1222	30654	2286
30333	3875	30415	1821	30494	3985	30577	2052	30655	2282
30334	3877	30416	3556	30495	3991	30578	2057	30656	2281
30335	3068	30417	3672	30496	3759	30579	2043	30657	2287
30336	823	30418	1799	30497	3923	30580	2056	30658	2268
30337	2589	30419	3761	30498	1250	30581	2048	30659	3246
30338	274	30420	1802	30499	2029	30582	2049	30660	537
30339	3990	30421	1800			30583	2055	30661	1158
30340-X	4121	30423	1803	30500	2026	30584	2032	30662	3848
30341-X	4137	30424	3639	30501	554	30585	1245	30663	3995
30342-X	4224	30425	1820	30502	1392	30586	2033	30664	1165
30343-X	4382	30426	3675	30503	1404	30587	4061	30665	1160
30344-X	4263	30427	3677	30504	689	30588	553	30666	1156
30345-X	4418	30428	703	30505	1869	30589	3659	30667	1155

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
30668	3245	30748	1277	30919	1371	31006	1586	31088-X	4280
30669	3467	30749	1275	30920	3732	31007	1399	31089-X	4295
30670	1396	30750	1272	30921	2542	31008	1601	31090-X	4288
30672	1747	30753	3784	30922	2545	31009	1580	31091-X	4297
30673	2426	30754	3979	30923	2546	31010	1599	31092-X	4348
30674	2401	30755	3200	30924	2515	31011	3662	31093-X	4336
30675	2429	30756	3440	30925	2516	31012	867	31094-X	4337
30676	2349	30757	3308	30926	2539	31013	534	31095-X	4338
30677	2305	30768	3739	30927	2535	31014	1321	31096-X	4341
30678	2359	30769	2698	30928	2513	31015	2580	31097-X	4342
30679	2306	30773	3337	30929	2514	31016	1585	31098-X	4344
30680	1929	30774	3134	30930	2538	31017	1597	31099-X	4345
30682	3778	30775	3394	30931	3737	31018	1587		
30684	3856	30776	3059	30932	1875	31019	1584	31100	3310
30685	3254	30777	3186	30933	3249	31020	2034	31101	390
30686	2320	30778	3445	30934	2387	31021	1413	31102	3679
30687	3407	30782	3106	30935	2388	31022	1600	31103	393
30688	2394	30786	3743	30936	3981	31023	1292	31104	3678
30689	2393	30787	3444	30937	3781	31024	1604	31105	389
30690	2291	30788	3107	30938	3980	31025	1603	31106	2012
30691	2392	30792	3439	30939	4104	31026	3993	31107	2020
30692	3958	30795	2508	30940	4106	31027-X	4401	31108	2015
30693	2289	30796	3034	30941	4101	31029-X	4214	31109	2009
30694	2288	30798	2983	30942	4103	31030-X	4216	31110	2013
30695	2290	30799	3667	30943-X	4109	31031-X	4215	31111	391
30696	3366			30945-X	4110	31032-X	4217	31112	2419
30697	2269	30800	2984	30946-X	4433	31033	3717	31115	2343
30698	3251	30801	3064	30947-X	4432	31034	3709	31116	2396
30699	3652	30805	3303	30948-X	4434	31035	3707	31117	2300
		30806	3442	30949-X	4436	31036	3712	31118	1307
30700	3943	30809	3593	30950-X	4435	31037	3713	31119	4057
30701	2585	30811	3032	30951-X	4437	31038	3699	31120	2341
30702	3692	30812	3441	30955-X	4497	31039	3942	31121	4056
30703	3693	30813	3027	30956	1721	31040	3736	31122	2421
30704	3247	30814	3028	30957	496	31041	3695	31123	2018
30705	560	30816	3095	30959	2543	31042	3730	31124	2014
30706	1736	30820	3051	30960	612	31043-X	4347	31125	2016
30707	3248	30821	3431	30962	4102	31044-X	4335	31126	2008
30708	1818	30824	3359	30964	2088	31045-X	4346	31127	401
30709	702	30825	3031	30965	3930	31046-X	4357	31128	2301
30710	1634	30826	3589	30966	3728	31047-X	4277	31129	2356
30711	1682	30831	3258	30967	2279	31048-X	4286	31131	1677
30712	1716	30836	3484	30968	890	31049	1605	31132	1706
30713	1715	30837	3525	30969	875	31050	1555	31133	1676
30714-X	4449	30843	3086	30970	840	31051	3640	31134	1633
30715-X	4416	30853	3094	30971	818	31052	3948	31135	1712
30716-X	4417	30854	3443	30972	873	31053	3615	31136	1631
30717	3983	30858	3050	30973	841	31054	3949	31137	1705
30718	3362	30861	3438	30974	3776	31055	3946	31138	1627
30719	3363	30864	3259	30975	3733	31056	3382	31139	1707
30720	3433	30872	3592	30976	1419	31057	1595	31140	1652
30721	3361	30881	1769	30977	1573	31058	3701	31141	1692
30722	3364	30884	3645	30978	1577	31059	1578	31142	334
30723	3365	30887	3469	30979	1602	31062	3704	31143	3379
30724	3969	30893	3471	30980	2035	31063	1294	31144	2871
30725	361	30897	1871	30981	1594	31064	1579	31145	2873
30726	1748	30898	763	30982	1575	31065	1323	31146	1698
30727	1868	30899	1407	30983	1574	31066	3383	31147	495
30728	512			30984	3705	31067	2284	31148	1348
30729	1251			30985	3947	31069	2285	31149	3206
30730	758	30900	3665	30987	2096	31070	1293	31150	1264
30731	1403	30901	3637	30988	1416	31071	1318	31151	2314
30732	3641	30902	3738	30989	4090	31072	3381	31152	2273
30733	1827	30903	3984	30990	3804	31073	3700	31153	2326
30734	717	30904	2411	30991	3818	31074	1789	31155	2328
30735	1365	30906	3762	30992	3811	31075	3944	31156	3859
30736	2037	30907	2410	30993-X	4278	31076	3446	31157	2384
30737	1278	30908	2333	30994-X	4279	31077	1317	31158	2383
30738	1273	30909	2311	30995-X	4282	31078	395	31159	2265
30739	3629	30910	2271	30996-X	4287	31079	394	31161	2382
30740	3905	30911	1837	30998	3777	31080	3702	31163	2261
30741	3904	30912	723	30999	3600	31081	3380	31164	1210
30742	1270	30913	3649			31082	3384	31166	1207
30743	1274	30914	3621	31000	3714	31083	3703	31167	178
30744	1279	30915	1724	31001	3711	31084	3706	31169	1711
30745	1271	30916	430	31002	3945	31085	392	31170	1664
30746	3601	30917	517	31003	1592	31086-X	4281	31171	1665
30747	3756	30918	400	31004	1576	31087-X	4283	31172	1709

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
31173-X	4737	31270	2294	31389	516	31494	3180	31585	1626
31174-X	4736	31271	2354	31391	4081	31495	3175	31586	1941
31175-X	4739	31272	2259	31392	3731	31496	3174	31587	1939
31176-X	4738	31273	2368	31397	2592	31497	3176	31588	1934
31177-X	4368	31274	2296	31398	454	31498	3178	31589	3830
31178-X	4367	31275	2299	31399	3881	31499	3796	31590	3816
31179-X	4366	31276	2374					31591	3806
31180-X	4365	31277	2408	31400	333	31500	3798	31592	3828
31181	2890	31278	2317	31401	3192	31502	3477	31593	1135
31182	1212	31279	2406	31402	3785	31503	572	31594	1133
31183	1202	31280	3865	31403	3780	31504	2423	31595	2464
31185	1201	31282	2309	31404	3230	31505	3184	31596	2459
31186	1213	31283	2325	31406	3229	31506	3787	31597-X	4144
31187	2258	31284	2298	31407	1228	31507-X	4292	31598-X	4146
31188	4054	31285	2270	31410	3154	31508-X	4291	31599-X	4145
31191	2260	31286	3753	31411	3161	31509-X	4293		
31193	4055	31287	3198	31412	3156	31510-X	4294	31600-X	4147
31195-X	4327	31288	4064	31413	1195	31514	3537	31601-X	4361
31197	2405	31291	2928	31414	3152	31515	3534	31602-X	4363
31198	2307	31294	3482	31415	3159	31518	3540	31603-X	4362
31199	3562	31295	4077	31416	3147	31519	2362	31604-X	4364
		31296	2267	31418	2355	31520	3867	31605-X	4315
31202	2363	31297	2988	31419	3155	31521	3868	31606-X	4319
31203	2278	31298	4088	31421	3160	31522	2323	31607-X	4318
31204	2322	31299	2409	31422	1423	31523	2380	31608-X	4320
31205	2330			31423	3150	31524	2340	31609	1551
31206	3252	31304	3779	31424	1422	31525	3860	31610	1550
31208	1209	31305	3782	31425	3935	31526	2371	31611	1538
31210	3902	31321	3794	31426	3858	31527	2364	31612	1549
31211	3689	31322	3799	31427	1414	31528	2357	31613	1548
31212	3972	31323	3800	31428	3786	31529	2324	31614	1530
31213	3973	31324	3797	31429-X	4242	31530	3863	31615	1552
31214	3715	31325	3836	31430-X	4240	31531	3864	31616	1535
31215-X	4285	31326	3840	31431-X	4241	31532	1200	31617	1937
31216-X	4284	31327	3838	31432-X	4239	31533	2266	31618	1940
31217	2150	31328	3841	31445-X	4463	31536	2360	31619	1936
31223	2002	31329	3939	31446	3476	31538	3509	31620	2404
31226	2019	31330	3837	31447	3475	31540	2379	31621	3097
31227	1204	31331	3842	31448	3956	31541	2375	31622	3092
31228	1206	31332-X	4402	31449	3880	31542	2376	31623	3035
31229	1985	31333-X	4317	31450	4048	31544	3183	31624	2973
31230	2332	31334-X	4316	31451	4083	31547	3177	31625	3190
31231	2264	31335-X	4369	31452	4085	31548	1717	31626	3098
31233	1203	31336-X	4370	31453	4079	31549	1680	31627	99
31234-X	4744	31341-X	4296	31456	3479	31550	1539	31628	3795
31235-X	4745	31342-X	4290	31457	3480	31551	1938	31629	3802
31236-X	4746	31343-X	4289	31458	4049	31552-X	4820	31630	806
31237-X	4743	31344-X	4450	31459	3855	31553-X	4735	31631	2381
31238-X	4748	31345-X	4457	31460	3478	31554-X	4379	31632	2378
31239-X	4747	31346-X	4452	31461	3788	31555	3829	31633	2006
31240-X	4258	31347-X	4451	31462	4097	31556	3834	31634	2022
31241-X	4259	31348-X	4453	31463	4094	31557	3805	31635	2004
31242-X	4260	31349-X	4454	31464	4096	31558	3810	31636	3543
31243-X	4261	31350-X	4455	31465	4099	31559	3823	31637	3553
31244-X	4384	31351-X	4456	31466	4095	31560	3812	31638	3358
31245-X	4386	31352	4045	31467	4098	31561	3832	31640	3436
31246-X	4387	31353	409	31468-X	4155	31562	3824	31641	3435
31247-X	4385	31354	1281	31469-X	4154	31563	3817	31642	3434
31248	2155	31355	3734	31470-X	4156	31564	3821	31643	2005
31249	2193	31356	2021	31471	3172	31565	3815	31644	2023
31250	2566	31357	3874	31473	3173	31566	3819	31645	2011
31251	2142	31358	536	31474	3179	31567	3831	31646	2010
31252	2154	31360	1208	31475	3165	31568	3813	31648	2007
31253	2203	31361	2058	31476	3148	31569	3833	31649	1981
31254	3690	31362	2978	31477	3933	31570	2463	31650	1975
31255	3716	31363	3873	31478	3687	31571	2462	31651	1974
31256	2205	31364	2059	31479	2414	31572	2465	31652	3550
31257	3719	31367	4046	31480	2335	31573	2460	31654	1992
31258	2588	31371	4044	31481	2415	31575	1718	31658	3213
31259	2148	31373	2457	31482	2416	31576	1704	31660	3214
31262	2196	31374	3505	31484	3752	31577	1629	31662	3835
31263	186	31375	1596	31485	3751	31578	1630	31663	3814
31264	181	31380	2590	31487	3801	31579	1713	31664	205
31265	199	31384	1193	31489	3803	31580	1669	31665	3189
31266	2609	31385	1836	31490	4066	31581	1714	31668	3515
31267	2192	31386	1194	31491	3185	31582	1635	31669	2353
31268	2297	31387	3648	31492	3182	31583	1719	31670	3520
31269	3571	31388	1990	31493	3181	31584	1666	31671	3521

ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item	ENT-	Item
31672	2338	31710	1644	31745	1582	31781	1581	31816	2293
31673	3516	31711	1636	31746	1455	31782	1454	31817	2336
31674	3519	31712	1637	31747	1532	31783	1531	31818	2312
31675	2318	31713	1675	31748	1569	31784	1287	31819	2433
31676	3866	31714	1659	31749	1846	31785	1847	31820	3878
31678	2377	31715	1701	31750	735	31786	736	31821	2431
31679	2369	31716	1646	31751	1310	31787	1311	31822	2434
31680	2319	31717	1686	31752	1589	31788	1590	31823	2432
31681	2292	31718	1650	31753	32	31789	1471	31824	2372
31682	2329	31719	1700	31754	1695	31790	1544	31825	2373
31683	2316	31720	1647	31755	1702	31791	1286	31826	2420
31684	2283	31721	1689	31756	1470	31793	2262	31827	2395
31686	2308	31722	1658	31757	1543	31794	3517	31828	2342
31687	3861	31723	1660	31758	1285	31795	3518	31829	2418
31689	3710	31724	1643	31759	1720	31796	2295	31830	2634
31690	2177	31725	1632	31760	1696	31797	3522	31831	699
31691	3036	31726	1642	31761	1697	31798	1948	31832	2231
31692	1693	31727	1685	31762	1654	31799	1947	31833	697
31693	1672	31728	1645	31763	1641			31834	1860
31694	1653	31729	1703	31764	1565	31800	3807	31835	752
31695	1683	31730	1673	31765	1845	31801	3827	31836	743
31696	1638	31731	1640	31766	734	31802	3809	31837	2232
31697	1684	31732	1690	31767	1308	31803	3808	31838	3026
31699	1670	31733	1564	31768	1588	31804	3826	31839	2209
		31734	1794	31769	1467	31805	3822	31840	696
31700	1648	31735	737	31770	1540	31806	3820	31841	695
31701	1691	31736	1312	31771	1567	31807	2272	31842	2438
31702	1657	31737	1591	31772	2834	31808	2313	31843	2756
31703	1681	31738	1472	31773	2872	31809	2331	31844	1426
31704	1671	31739	1545	31774	2748	31810	3136		
31705	1649	31740	1566	31775	1694	31811	3974		
31706	1656	31741	1568	31777	1655	31813	2370	31968	1639
31707	1674	31742	1832	31778	1831	31814	1205		
31708	1651	31743	719	31779	718	31815	2337	32583	1284
31709	1699	31744	1299	31780	1298				