

Effective May 7, 1942

TITLE 7--AGRICULTURE
CHAPTER III--BUREAU OF ENTOMOLOGY AND PLANT QUARANTINE
PART 301--DOMESTIC QUARANTINE NOTICES

JAPANESE BEETLE ADMINISTRATIVE INSTRUCTIONS MODIFIED

Pursuant to the authority conferred upon the Chief of the Bureau of Entomology and Plant Quarantine by § 301.48-6, Chapter III, Title 7, Code of Federal Regulations [regulation 6 of the rules and regulations supplemental to Notice of Quarantine No. 48 on account of the Japanese beetle], subsections (i) (4), (k) (1), and (m) (2) of § 301.48b [see pages 6, 8, and 15, respectively, of the mimeographed edition of circular B. E. P. Q. 499, issued June 9, 1939], are hereby modified, effective May 7, 1942, to read as follows:

§ 301.48b Administrative instructions to inspectors on the treatment of nursery products, fruits, vegetables, and soil, for the Japanese beetle

(i) POTTING SOIL

(4) Lead arsenate treatment

Season.--The treatment must be applied before August 1.

Condition and type of soil.--The soil must be friable. Wet soil must never be treated. The treatment is recommended only for soils that are slightly acid or neutral in reaction. Any type of soil may be treated provided it meets these requirements.

Dosage.--Two pounds to 1 cubic yard.

Application.--The lead arsenate must be thoroughly mixed with the soil.

Period of treatment.--Plants freed from soil and potted in soil treated in the above manner, by August 1, may be certified for shipment between the following October 1 and June 15, inclusive.

Handling of potted plants.--When plants potted in lead-arsenate-treated soil are plunged in beds or set in frames exposed to possible infestation, the soil of these beds or frames must previously have been treated with lead arsenate at the rate of 1,000 pounds per acre.

Treated plants carried after June 15.--When plants potted in soil treated as prescribed are carried after June 15, they may be again eligible for certification between October 1 and June 15, inclusive, of the second year if, on August 1 of the second year, analyses show the soil to contain lead arsenate at the rate of 2 pounds per cubic yard.

(k) SOIL IN AND AROUND COLDFRAMES, PLUNGING BEDS,
AND HEELING-IN AREAS

(1) Lead arsenate treatment

Season.--The treatment must be applied before August 1 if the land is to be used in the fall.

Condition of soil.--The soil must be friable and in good tilth.



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Dosage.--Twenty-three pounds to each 1,000 square feet, or 1,000 pounds per acre. For subsequent re-treatments, the quantity required to restore a concentration of 1,000 pounds per acre, as determined by chemical analyses, must be applied, except that determination by chemical analyses of a concentration of 900 pounds per acre will be acceptable without re-treatment.

Application.--The lead arsenate must be thoroughly mixed and incorporated with the upper 3 inches of soil.

Period of treatment.--Plants must not be placed on or in the soil thus treated until after October 1.

(m) TREATMENT OF PLANTS BEFORE DIGGING

(2) Lead arsenate treatment

Season.--Treatment must be applied by July 1. Plants may be certified when the period of treatment is completed, and until the following June 15.

Condition of soil.--The soil must be friable and in good tilth. This treatment is recommended only for soils that are slightly acid or neutral in reaction.

Dosage.--Twenty-three pounds to each 1,000 square feet, or 1,000 pounds per acre. For subsequent re-treatments, the quantity required to restore a concentration of 1,000 pounds per acre, as determined by chemical analyses, must be applied, except that determination by chemical analyses of a concentration of 900 pounds per acre will be acceptable without re-treatment.

Period of treatment.--Plants in plots treated initially must not be dug until October 1; those on re-treated plots may be dug on September 20.

Application.--Lead arsenate must be thoroughly mixed and incorporated with the upper 3 inches of soil. The ridge of soil between the plants in the rows and the soil about the base of the plants must be removed to a depth of 2 inches and placed in the space between the rows of plants. Lead arsenate may be applied with a suitable distributor, or broadcast by hand, before or after the hoeing operation is completed. Then the soil between the rows of plants must be cultivated three times. On the last cultivation, the cultivator is adjusted in such a manner that the treated soil is thrown toward the rows of plants. At least 3 inches of treated soil must be placed in the rows about the bases of the plants.

Varieties of plants.--The varieties of plants which have been treated successfully by this method are given in Bureau of Entomology and Plant Quarantine Circular E-418.

Safety zone.--Same as that prescribed in (k).

Marking.--Same as that prescribed in (k).

(7 CFR § 301.48; sec. 8, 39 Stat. 1165, 44 Stat. 250; 7 U.S.C. 161)

Done at Washington, D. C. this 2nd day of May 1942.

P. N. ANNAND,
Chief