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§ 61.101 Determination of grade.

The grade of cottonseed shall be determined from the analysis of samples by licensed chemists, and it shall be the result, stated in the nearest whole or half numbers, obtained by multiplying a quantity index by a quality index and dividing the result by 100. The quantity index and the quality index shall be determined as hereinafter provided.

(a) The basis grade of cottonseed shall be grade 100.

(b) High grades of cottonseed shall be those grades above 100.

(c) Low grades of cottonseed shall be those grades below 100.

(d) Grades for American Pima cottonseed shall be suffixed by the designation "American Pima" or by the symbol "AP."

[22 FR 10948, Dec. 28, 1957, as amended at 37 FR 20157, Sept. 27, 1972; 58 FR 42413, Aug. 9, 1993]

§ 61.102 Determination of quantity index.

The quantity index of cottonseed shall be determined as follows:

(a) For upland cottonseed the quantity index shall equal four times percentage of oil plus six times percentage of ammonia, plus 5.

(b) For American Pima cottonseed the quantity index shall equal four times percentage of oil, plus six times percentage of ammonia, minus 10.

[37 FR 20157, Sept. 27, 1972]

§ 61.103 Determination of quality index.

The quality index of cottonseed shall be an index of purity and soundness, and shall be determined as follows:

(a) *Prime quality cottonseed.* Cottonseed that by analysis contains not more than 1.0 percent of foreign matter, not more than 12.0 percent of moisture, and not more than 1.8 percent of free fatty acids in the oil in the seed, shall be known as prime quality cottonseed and shall have a quality index of 100.

(b) *Below prime quality cottonseed.* The quality index of cottonseed that, by analysis, contain foreign matter, moisture, or free fatty acids in the oil in the seed, in excess of the percentages prescribed in paragraph (a) of this section shall be found by reducing the quality index of prime quality cottonseed as follows:

(1) Four-tenths of a unit for each 0.1 percent of free fatty acids in the oil in the seed in excess of 1.8 percent.

(2) One-tenth of a unit for each 0.1 percent of foreign matter in excess of 1.0 percent.

(3) One-tenth of a unit for each 0.1 percent of moisture in excess of 12.0 percent.

(c) *Off quality cottonseed.* Cottonseed that has been treated by either mechanical or chemical process other than the usual cleaning, drying, and ginning (except sterilization required by the United States Department of Agriculture for quarantine purposes) or that are fermented or hot, or that upon analysis are found to contain 12.5 percent or more of free fatty acids in the oil in the seed, or more than 10.0 percent of foreign matter, or more than 20.0 percent of moisture, or more than 25.0 percent of moisture and foreign matter combined, shall be designated as "off quality cottonseed."

(d) *Below grade cottonseed.* Cottonseed the grade of which when calculated according to § 61.101 is below grade 40.0 shall be designated as "below grade cottonseed," and a numerical grade shall not be indicated.

§ 61.104 Sampling and certification of samples and grades.

The drawing, preparation, and certification of samples of cottonseed, and certification of grades of cottonseed shall be performed in accordance with methods approved from time to time for the purposes by the Director, or his representatives.

[22 FR 10948, Dec. 28, 1957, as amended at 58 FR 42413, Aug. 9, 1993]

PART 62—LIVESTOCK, MEAT, AND OTHER AGRICULTURAL COMMODITIES (QUALITY SYSTEMS VERIFICATION PROGRAMS)

Subpart A—Quality Systems Verification Programs Definitions

Sec.

62.000 Meaning of terms.