

Grades and Grade Requirements of Corn

Grade	Minimum Test Weight	Maximum Limits of--		
		Damaged Kernels		Broken Corn and Foreign Material
		Heat-damaged Kernels	Total	
lbs.	%	%	%	
U.S. No. 1	56.0	0.1	3.0	2.0
U.S. No. 2	54.0	0.2	5.0	3.0
U.S. No. 3	52.0	0.5	7.0	4.0
U.S. No. 4	49.0	1.0	10.0	5.0
U.S. No. 5	46.0	3.0	15.0	7.0

U.S. Sample Grade:

U.S. Sample Grade shall be corn that:

- a) Does not meet the requirements for the grades U.S. Nos. 1, 2, 3, 4, or 5; or
- b) Contains Stones which have an aggregate weight in excess of 0.1 percent of the sample weight, 2 or more pieces of Glass, 3 or more Crotalaria seeds (*Crotalaria ssp.*), 2 or more Castor Beans (*Ricinus communis* L.), 4 or more particles of an Unknown Foreign Substance(s), or a Commonly Recognized Harmful or Toxic Substance(s), 8 or more Cockleburrs (*Xanthium ssp.*) or similar seeds singly or in any combination, or Animal Filth in excess of 0.2 percent in a 1000 g. sample; or
- c) Has a Musty, Sour, or Commercially Objectionable Foreign Odor; or
- d) Is Heating or otherwise of Distinctly Low Quality

Grades and Grade Requirements of Soybeans

Grade	Maximum limits of--				
	Heat-damaged Kernels	Damaged Kernels (Total)	Foreign Material	Splits	Soybeans of Other Colors ^{1/}
	%	%	%	%	%
U.S. No. 1	0.2	2.0	1.0	10.0	1.0
U.S. No. 2	0.5	3.0	2.0	20.0	2.0
U.S. No. 3	1.0	5.0	3.0	30.0	5.0
U.S. No. 4	3.0	8.0	5.0	40.0	10.0

U.S. Sample Grade:

U.S. Sample Grade shall be soybeans that:

- a) Do not meet the requirements for U.S. No. 1, 2, 3, or 4; or
- b) Contain four or more Stones are present in a sample of 1-1/4 quarts (1000 gm.) and the total weight of Stones exceeds 0.1 percent of the sample weight, 1 or more pieces of Glass, 3 or more Crotalaria seeds (*Crotalaria ssp.*), 2 or more Castor Beans (*Ricinus communis*), 4 or more pieces of an Unknown Foreign Substance(s) or a Commonly Recognized Harmful or Toxic Substances, 10 or more rodent pellets, bird droppings, or an equivalent quantity of other Animal Filth in 1,000 grams of soybeans, or
- c) a Cumulative Total of 11 or more of any combination of these sample grade factors, or
- d) Have a Musty, Sour, or Commercially Objectionable Foreign Odor (except garlic odor), or
- e) Are Heating or otherwise of Distinctly Low Quality

1/ Disregard for Mixed Soybeans