

## USDA Corn Grades

**TEST WEIGHT**  
 -.01 each ½ 54 to 52  
 -.015 each ½ 52 to 48  
 -.05 each lb. below 48

**FOREIGN MATERIAL**  
 -.025 each 1/2 over 3%

**DAMAGE**  
 -.01 each one % 5 to 7  
 -.02 each one % over 7

**ADDITIONAL DISCOUNTS**

Musty	-0.10
Sour	-0.20
COFO	-0.20
Infested	-0.10
Ergot	n/a
Stones	-0.10
Animal Filth	-0.10
Drying per point	-0.045 .045 Min
Shrink per point	1.50%
cash and contract will be shrunk to	15%
DP and storage will be shrunk to	14%

Test Weight	Discount	FM	Discount	Damage	Discount
54.00 or more	0.00	3.1 to 3.5	0.025	5.1 to 6.0	0.01
53.5 to 53.99	0.01	3.6 to 4.0	0.05	6.1 to 7.0	0.02
53.0 to 53.49	0.02	4.1 to 4.5	0.075	7.1 to 8.0	0.04
52.5 to 52.99	0.03	4.6 to 5.0	0.10	8.1 to 9.0	0.06
52.0 to 52.49	0.04	5.1 to 5.5	0.125	9.1 to 10.0	0.08
51.5 to 51.99	0.055	5.6 to 6.0	0.15	10.1 to 11.0	0.10
51.0 to 51.49	0.07	6.1 to 6.5	0.175	11.1 to 12.0	0.12
50.5 to 50.99	0.085	6.6 to 7.0	0.20	12.1 to 13.0	0.14
50.0 to 50.49	0.10	7.1 to 7.5	0.225	13.1 to 14.0	0.16
49.5 to 49.99	0.115	7.6 to 8.0	0.25	14.1 to 15.0	0.18
49.0 to 49.49	0.13	8.1 to 8.5	0.275		
48.5 to 48.99	0.145	8.6 to 9.0	0.30		
48.0 to 48.49	0.16	9.1 to 9.5	0.325		
47.0 to 47.99	0.21	9.6 to 10	0.35		
46.0 to 46.99	0.26				

### Grades and grade requirements for corn

Grade	Minimum test weight/bushel	Maximum Heat Damaged Kernels	Maximum Total Damaged Kernels	Maximum Broken corn & foreign material
US No. 1	56.0 lb.	0.1	3.0	2.0
US No. 2	54.0 lb.	0.2	5.0	3.0
US No. 3	52.0 lb.	0.5	7.0	4.0
US No. 4	49.0 lb.	1.0	10.0	5.0
US No. 5	46.0 lb.	3.0	15.0	7.0

US Sample Grade:  
 1. Does not meet the requirements for the grades US Nos. 1, 2, 3, 4 or 5; or  
 2. Has a musty, sour or commercially objectionable foreign odor, or  
 3. Is heating or otherwise of distinctly low quality.

**Broken corn and foreign material** - All matter that passes readily through a 12/64 round-hole sieve and all matter other than corn that remains in the sieved sample after sieving according to procedures prescribed in FGIS instructions.

**Damaged kernels** - Kernels and pieces of corn kernels that are badly ground-damaged, badly weather-damaged, diseased, frost-damaged, germ-damaged, heat-damaged, insect-bored, mold-damaged, sprout-damaged or otherwise materially damaged.

**Heat-damaged kernels** - Kernels and pieces of corn kernels that are materially discolored and damaged by heat.

**Moisture Requirements** - 15.0 on *Sell* or *Contract* : 14.0 on *Delayed Price* : 14.0 on *Storage*

**Dry & Return** - Must be hauled home immediately or incur .15 cents/bushel charge.

*There are various discounts for each grain that is not included on this sheet, but are still applicable when determining grain values.*

**TABLE 4.1 - GRADES AND GRADE REQUIREMENTS FOR CORN**

Grade	Minimum Limits of -	Maximum Limits of -		
	Test weight per bushel (pounds)	Heat-Damaged kernels (percent)	Damaged kernels total (percent)	Broken Corn and Foreign material (percent)
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 is corn that:

- (a) Does not meet the requirements for grades U.S. No.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* spp.), 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 cockleburs (*Xanthium* spp.) or similar seeds singly or in combination, or animal filth in excess of 0.20 percent in 1,000 grams; or
- (c) Has a musty, sour, or commercially objectionable foreign odor; or
- (d) Is heating or otherwise of distinctly low quality.