

## USDA Wheat Grades

The table below is published by the USDA. Using the sample data the grade is determined. Determining factors are shown in yellow.

Grading factors	Grades U.S. Nos.				
	1	2	3	4	5
Minimum pound limits of:					
Test weight per bushel					
Hard Red Spring wheat or White Club wheat	58.0	57.0	55.0	53.0	50.0
All other classes and subclasses	60.0	58.0	56.0	54.0	51.0
Maximum percent limits of:					
Defects:					
Damaged kernels					
Heat (part of total)	0.2	0.2	0.5	1.0	3.0
Total	2.0	4.0	7.0	10.0	15.0
Foreign material	0.4	0.7	1.3	3.0	5.0
Shrunken and broken kernels	3.0	5.0	8.0	12.0	20.0
Total 1/	3.0	5.0	8.0	12.0	20.0
Wheat of other classes: 2/					
Contrasting classes	1.0	2.0	3.0	10.0	10.0
Total 3/	3.0	5.0	10.0	10.0	10.0
Stones	0.1	0.1	0.1	0.1	0.1
Maximum count limits of:					
Other material in one kilogram:					
Animal filth	1	1	1	1	1
Castor beans	1	1	1	1	1
Crotalaria seeds	2	2	2	2	2
Glass	0	0	0	0	0
Stones	3	3	3	3	3
Unknown foreign substances	3	3	3	3	3
Total 4/	4	4	4	4	4
Insect-damaged kernels in 100 grams	31	31	31	31	31
<p>U.S. Sample grade is Wheat that:</p> <p>(a) Does not meet the requirements for U.S. Nos. 1, 2, 3, 4, or 5; or</p> <p>(b) Has a musty, sour, or commercially objectionable foreign odor (except smut or garlic odor) or</p> <p>(c) Is heating or of distinctly low quality.</p> <p>1/ Includes damaged kernels (total), foreign material, shrunken and broken kernels.</p> <p>2/ Unclassed wheat of any grade may contain not more than 10.0 percent of wheat of other classes.</p> <p>3/ Includes contrasting classes.</p> <p>4/ Includes any combination of animal filth, castor beans, crotalaria seeds, glass, stones, or unknown foreign substance.</p>					

**Wheat Discount Schedule 2019-2022**

MOISTURE	SHRINK	DRYING CHARGE
13.6 – 14.0	1.00%	0 ¢
14.1 – 14.5	1.8	0¢
14.6 – 15.0	2.6	0 ¢
15.1 – 15.5	3.4	0 ¢
15.6 – 16.0	4.2	0 ¢
16.1 – 16.5	5	0 ¢
16.6 – 17.0	5.8	0 ¢
17.1 – 17.5	6.6	0 ¢
17.6 – 18.0	7.4	0 ¢
18.1 – 18.5	8.2	-5.5 ¢
18.6 – 19.0	9	-6.25 ¢
19.1 – 19.5	9.8	-7¢
19.6 – 20.0	10.6	-7.75 ¢
20.1 – 20.5	11.4	-17 ¢
20.6 – 21.0	12.2	-19 ¢
21.1 – 21.5	13	-21 ¢
21.6 – 22.0	13.8	-23 ¢
OVER 22 MOIST MARKET DISCOUNT		

**MAXIUM 20 MOISTURE**

CRESTLINE  
CLARKSFIELD  
CLYDE

**MAXIUM 18 MOISTRE**

NEW WASHINGTON

GARLICKY -1000gm	
1-7 bulbs	-15 ¢
7 – 12	-20 ¢
13 – 25	-25 ¢
26 – 50	-35 ¢
51 – 100	-50 ¢

OTHER	
Heating	-10 ¢
Weevily/Infested	-20 ¢
COFO	-20 ¢

TEST WEIGHT	
Over – 58.0	0¢
57.9 – 57.5	-2¢
57.4 – 57.0	-3¢
56.9 – 56.5	-4¢
56.4 – 56.0	-6¢
55.9 – 55.5	-9¢
55.4 – 55.0	-12¢
54.9 – 54.5	-15¢
54.4 – 54.0	-18¢
53.9 – 53.5	-23¢
53.4 – 53.0	-28¢
52.9 – 52.5	-38¢
52.4 – 52.0	-48¢
51.9 – 51.5	-58¢
51.4 – 51.0	-68¢
50.9 – 50.5	-78¢
50.4 – 50.0	-88¢
Under 50#	Market Disc

IDK – 100 gm	
0-4 Kernels	-0 ¢
5-10	-1/2 ¢ / Ker.
11-20	-1 ¢ / Ker.
21-30	-2 ¢ / Ker.
31-40	-4 ¢ / Ker.
Over 40	REJECTED

FOREIGN MATERIAL	
1.1 – 2.0	-2 ¢
2.1 – 3.0	-4 ¢
3.1 – 4.0	-6 ¢
4.1 – 5.0	-8 ¢
5.1 – 6.0	-10 ¢
6.1 – 7.0	-12 ¢

SHRUNKEN & BROKEN KERNELS	
-0.1 Each 1% Market discount	Over 5.0% If over 10%

SPROUT DAMAGE	
2.1 – 3.0	-10¢
3.1 – 4.0	- 25 ¢
4.1 – 5.0	-50¢
5.1 – 6.0	-\$1.00
6.1 – 7.0	-\$1.50
7.1 – 8.0	-\$2.00
MAX DMG	-\$2.00
DAMAGE	
4.1 - 5.00	-4¢
5.1 - 6.0	-8¢
6.1 - 7.0	-12¢
7.1 - 8.0	-16¢
8.1 - 9.0	-20¢
9.1 - 10.0	-24¢
10.1 - 11.0	-30¢
11.1 - 12.0	-35¢
12.1 - 13.0	-40¢
13.1 – 14.0	-45¢
14.1 – 15.0	-50¢
15.1 – 16.0	-55¢
16.1 – 17.0	-60¢
17.1 – 18.0	-65¢
18.1 - 19.0	-70¢
OVER 19 MKT	DISC

VOMOTOXIN	
0 – 2 ppm	- 0 ¢
2.1 – 2.9	-.15
3 – 3.9	-.30
4 – 4.9	-.50
5 – 5.9	-.75
6 – 6.9	-1.00
7 – 10.0	-1.50
10.1 and over	rejection
OTHER	
Rodent Pellets	-10 ¢
Musty	-10 ¢
Sour	-20 ¢