



# Kansas Wheat Quality

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## Wheat Test Weight and Protein Down from 2024

Preliminary data for the 2025 Kansas winter wheat crop show an average test weight of 59.9 pounds per bushel. This compares to 60.7 pounds per bushel for the 2024 crop and an average of 60.7 pounds per bushel for the 2015 through 2024 crops. A total of 8,596 carlot samples were tested from 50 counties across Kansas. Of the total samples tested, the largest shares came from the South Central, Southwest, and North Central Districts. Samples for the 2025 crop were taken from June 16, 2025 to August 11, 2025. Samples for the 2024 crop were taken from June 4, 2024 to August 9, 2024.

Protein content averages 12.0%, down 0.4% from last year, but up 0.1% from the 10-year average of 11.9%. The Northwest District has the highest protein content at 12.5%, followed by the Central District at 12.2% and the Southwest District at 12.1%. Protein content is expressed on a 12% moisture basis. Statewide, moisture content averages 11.4%, unchanged from last year and equal to the 10-year average.

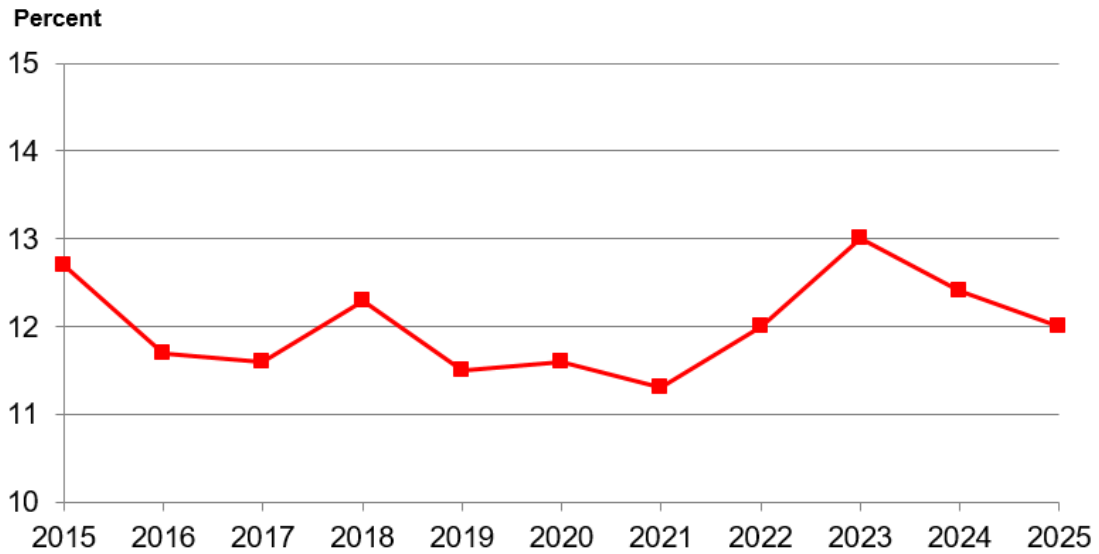
Samples of wheat grading No. 1, at 45%, are down from 57% last year. Samples grading No. 2 are 47%, up from 39% last year. Samples grading No. 3 or below are 8%.

Wheat samples average 0.5% damaged kernels, unchanged from last year, but up 0.1% from the 10-year average. Samples tested have 0.1% foreign material on average, unchanged from last year, and equal to the 10-year average. Shrunken and broken kernels average 0.9%, unchanged from last year but down 0.2% from the 10-year average. Total defects average 1.4%, down 0.1% from last year and down 0.2% from the 10-year average. Average dockage for all samples is 0.5%, unchanged from last year.

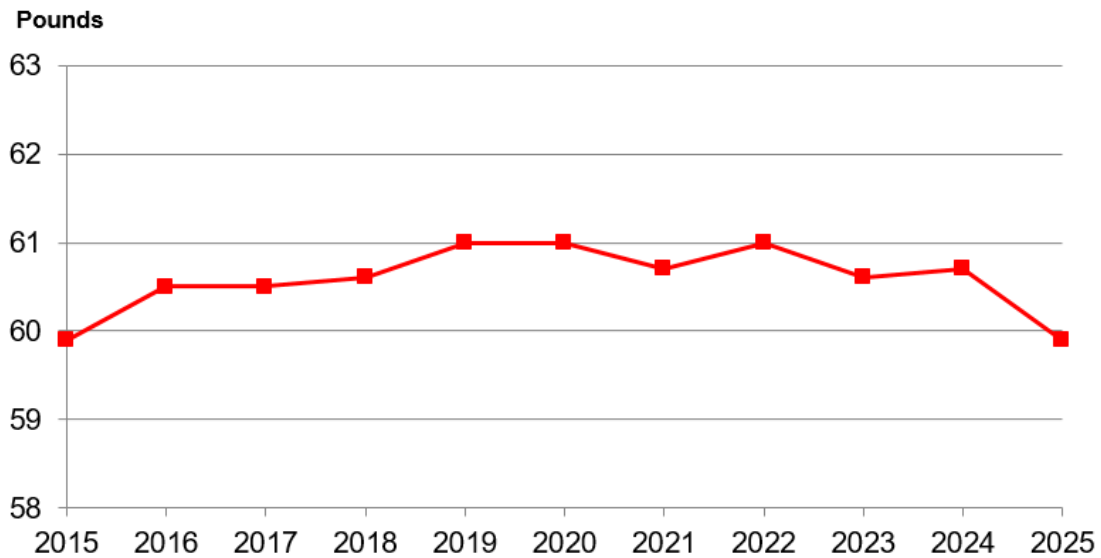
There were 1,110 samples voluntarily submitted for inspection in the 2025 crop year. The test weight for these samples averages 59.2 pounds per bushel, protein averages 11.9% and moisture content averages 11.6%. Of the total submitted samples, 40% grade No.1, 43% grade No. 2 and 17% grade No. 3 or below.

Test weight, protein content, grade and defect samples are representative of wheat moving in commercial rail cars and truck lots (truckloads converted to carlot equivalents). Summarized data include old crop and new crop wheat moving from first point of sale, and inspected by Kansas Grain Inspection Service, Inc. The USDA's National Agricultural Statistics Service summarizes all data for the *Kansas Wheat Quality* report. The Kansas Wheat Commission funds collection and publication services. Final numbers for the 2025 Kansas winter wheat crop, including wheat quality, top-planted varieties, acreage, and production, will be available in the *Kansas Wheat History* report to be released in October.

## Average Wheat Protein Content – Kansas: 2015-2025



## Average Wheat Test Weight – Kansas: 2015-2025



Kansas Winter Wheat Quality – Agricultural Statistics Districts and State:  
2015-2024 Average, 2024 and 2025

[May not add due to rounding. Averages weighted by number of samples tested]

Item	Unit	Northwest			West Central			Southwest			North Central		
		Avg	2024	2025	Avg	2024	2025	Avg	2024	2025	Avg	2024	2025
Samples tested .....	number	1,112	688	879	1,048	1,248	1,108	2,192	1,231	2,112	1,077	439	1,201
Test weight.....	lbs/bu	60.2	59.5	59.8	60.5	61.1	60.5	60.6	60.4	60.2	60.6	60.7	60.1
Protein .....	percent	12.0	12.3	12.5	12.0	12.5	11.8	12.0	12.4	12.1	12.1	12.1	11.9
Moisture .....	percent	11.3	10.9	11.0	11.2	11.0	10.9	10.9	11.2	11.1	11.7	11.4	11.4
Grade													
1 .....	percent	56	40	42	62	81	66	62	60	60	59	52	50
2 .....	percent	39	53	54	33	17	32	37	40	37	40	46	50
All other.....	percent	5	7	4	5	2	2	1	0	3	1	2	0
Defects													
Damaged kernels.....	percent	0.3	0.6	0.3	0.3	0.4	0.4	0.3	0.5	0.5	0.5	0.5	0.4
Foreign materials .....	percent	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1
Shrunken & broken .....	percent	1.4	1.5	1.1	1.1	1.0	1.0	1.1	0.9	0.9	1.1	0.9	0.8
Total.....	percent	1.7	2.1	1.4	1.4	1.3	1.4	1.5	1.4	1.4	1.8	1.5	1.3
Average dockage .....	percent	0.6	0.7	0.6	0.5	0.5	0.5	0.6	0.4	0.6	0.6	0.5	0.5
Item	Unit	Central			South Central			Northeast			East Central		
		Avg	2024	2025	Avg	2024	2025	Avg	2024	2025	Avg	2024	2025
Samples tested .....	number	1,975	997	809	2,353	1,730	2,213	37	28	11	17	-	19
Test weight.....	lbs/bu	60.5	59.9	59.2	61.3	61.6	59.6	60.6	60.4	60.5	61.2	-	60.0
Protein .....	percent	11.9	12.7	12.2	11.5	12.5	11.9	11.4	11.5	11.2	11.7	-	11.2
Moisture .....	percent	11.6	11.5	11.5	11.4	11.7	12.0	11.4	12.0	11.3	12.0	-	11.9
Grade													
1 .....	percent	69	36	23	82	58	34	91	50	100	90	-	58
2 .....	percent	28	57	69	15	37	52	8	46	0	9	-	42
All other.....	percent	3	7	8	3	5	14	1	4	0	1	-	0
Defects													
Damaged kernels.....	percent	0.5	0.3	0.5	0.5	0.7	0.4	0.9	1.4	0.8	1.1	-	1.1
Foreign materials .....	percent	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0	-	0.1
Shrunken & broken .....	percent	1.0	0.7	0.8	1.1	0.9	0.8	1.1	0.6	1.0	0.7	-	0.6
Total.....	percent	1.6	1.1	1.4	1.7	1.7	1.4	2.1	2.2	1.9	1.9	-	1.8
Average dockage .....	percent	0.6	0.5	0.5	0.6	0.6	0.4	0.6	0.5	0.7	0.5	-	0.5
Item	Unit	Southeast			State								
		Avg	2024	2025	Avg	2024	2025						
Samples tested .....	number	303	152	244	10,114	6,513	8,596						
Test weight.....	lbs/bu	60.6	60.9	58.0	60.7	60.7	59.9						
Protein .....	percent	11.1	10.8	10.5	11.9	12.4	12.0						
Moisture .....	percent	12.1	12.3	12.4	11.4	11.4	11.4						
Grade													
1 .....	percent	69	86	3	69	57	45						
2 .....	percent	22	14	62	28	39	47						
All other.....	percent	9	0	35	3	4	8						
Defects													
Damaged kernels.....	percent	0.9	0.8	1.5	0.4	0.5	0.5						
Foreign materials .....	percent	0.0	0.0	0.1	0.1	0.1	0.1						
Shrunken & broken .....	percent	0.9	0.7	0.6	1.1	0.9	0.9						
Total.....	percent	1.8	1.5	2.1	1.6	1.5	1.4						
Average dockage .....	percent	0.6	0.7	0.7	0.5	0.5	0.5						

- No data available

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