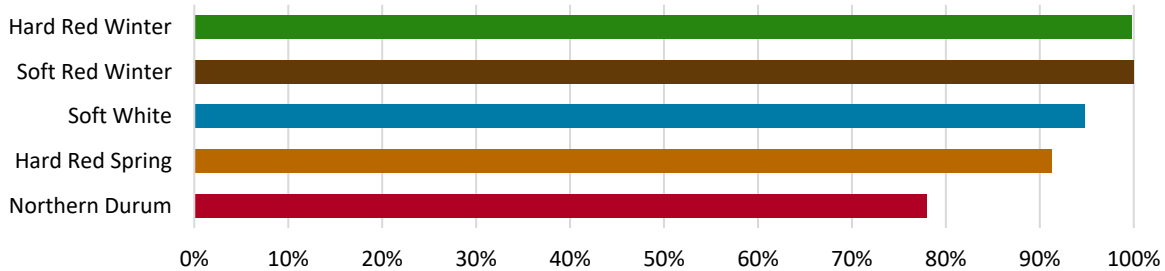




## WEEKLY HARVEST REPORT – September 15, 2023

This is the final weekly reports for HRW and SW data; sample analysis continues. HRS harvest is more than 90% complete and this year’s crop currently grades at U.S. No. 1 Northern Spring. Northern durum is more than three-quarters harvested and currently grades at U.S. No. 1 Hard Amber Durum.

Estimated Percent of Sample Crop Harvested to Date  
(data: NASS Weekly Crop Progress Reports and industry sources)



### HARD RED WINTER

- **Wheat Data:** This week’s samples did little to change the overall unweighted average of test weight, thousand kernel weight and falling number. The crop remains U.S. No. 2 HRW with test weight averaging 59.9 lb/bu (78.8 kg/hl); average protein is holding steady at 12.6% (12% mb).
- **Flour/Bake Data:** Laboratory baking analysis of 81 milled composites is holding steady and indicates an average loaf volume across all composites of 916 cc, above the industry quality target of 850 cc. Those same composites indicate an average laboratory flour extraction of 75.95%, flour ash of .53% (14% mb), farinograph absorption of 58.0% (14% mb), bake absorption average of 64.4% (14% mb) and mix time of 4.0 mins. Visit PGI’s [Harvest Report](#) for more information.

*This is the final HRW weekly report for the 2023 harvest.*

WHEAT DATA									GRADE FACTORS						
	Samples		Moisture %	Protein %	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %
	Tested	Expected								lb/bu	kg/hl				
<b>This Week</b>	462	475	11.6	12.6	14.3	0.8	29.9	365	2 HRW	59.9	78.8	0.2	0.5	0.9	1.6
<b>Last Week</b>	431	475	11.7	12.7	14.4	0.8	29.9	365	2 HRW	59.8	78.7	0.2	0.5	0.9	1.6
<b>2022 Final</b>	524	500	10.2	13.0	14.8	0.5	31.4	361	1 HRW	61.0	80.2	0.1	0.5	1.1	1.8
<b>5-year Avg</b>	488	500	11.1	11.6	13.2	0.5	31.3	370	1 HRW	60.9	80.0	0.2	0.6	0.9	1.4

Note: HRW averages in the weekly harvest report are not weighted for production. Results shown represent tested samples collected to date. Data and commentary are on the following sampled states only: CO, ID, KS, MT, NE, OK, OR, SD, TX, WA, WY.

Data Source: Plains Grains, Inc.

## SOFT RED WINTER

The final 2023 SRW weekly harvest report was issued on August 4 and can be found online at [HR-230804.pdf \(uswheat.org\)](https://www.uswheat.org/HR-230804.pdf).

WHEAT DATA									GRADE FACTORS						
	Samples		Moisture %	Protein 12% mb	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %
	Tested	Expected								lb/bu	kg/hl				
2023 Final	232	250	13.5	9.2	10.5	0.4	35.8	318	1 SRW	60.2	79.2	0.1	0.3	0.6	1.0
2022 Final	229	250	12.4	9.7	10.9	0.4	32.9	327	1 SRW	60.1	79.1	0.1	0.2	0.6	0.9
5-year Avg	242	250	13.3	9.5	10.8	0.3	32.7	309	2 SRW	58.9	77.5	0.1	0.5	0.6	1.2

Note: SRW averages in the weekly harvest report are simple averages of all samples tested and have not been weighted by the estimated production for each of the 18 reporting areas. Data and commentary are on the following sampled states only: AL, AR, IL, IN, KY, MD, MO, NC, OH, TN, VA.

Data Source: Great Plains Analytical Laboratory

## SOFT WHITE

- Wheat Data:** The remaining samples arrived at the lab with no change in overall wheat quality. When compared to last year, protein is higher at 11.0% (12% mb), falling number and 1000 kernel weight are slightly lower at 333 seconds and 32.5 grams, respectively. Solvent retention capacity (SRC) lactic acid values and overall profiles are typical for SW despite the higher protein. The average grade is a U.S. No. 1 SW.

This is the final SW weekly report for the 2023 harvest.

WHEAT DATA									GRADE FACTORS						
	Samples		Moisture %	Protein %	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %
	Tested	Expected								lb/bu	kg/hl				
This Week	385	390	9.1	11.0	12.5	0.4	32.5	333	1 SW	60.2	79.2	0.1	0.0	0.7	0.8
Last Week	349	390	9.1	11.1	12.6	0.4	32.4	335	1 SW	60.3	79.3	0.1	0.0	0.7	0.8
2022 Final	404	390	8.9	9.5	10.8	0.5	34.8	340	1 SW	61.0	80.2	0.1	0.1	0.5	0.6
5-year Avg	416	390	9.1	10.0	11.3	0.5	34.6	327	1 SW	61.1	80.3	0.0	0.0	0.6	0.7

Note: SW averages in the weekly harvest report are weighted for production. Results shown represent tested samples collected to date. Data and commentary are on the following sampled states only: ID, OR, WA.

Data Source: Wheat Marketing Center

## HARD RED SPRING

- Crop Progress:** With cooler nights and shorter days, harvest is slowing down. Approximately 90% of the HRS crop is now harvested with South Dakota 99% complete, Minnesota 94%, Montana 90% and North Dakota 82%.
- Crop Conditions:** While no major harvest or quality issues have been reported thus far, state representatives report some lower vitreous kernels and test weights due to rainfall a few weeks ago. Visit North Dakota's [Crop Progress Report](#) for more information.
- Wheat Data:** This week's data come from about 63% of expected samples. Average protein content is holding steady at 14.2% with an average test weight of 60.9 lb/bu (80.1 kg/hl), up slightly from last week. The falling number average is sound at 410 seconds and indicates a sound crop. Average vitreous kernel content is 56%, making the current average grade a U.S. No. 1 Northern Spring (1 NS).

Legend: Protein = 12% Moisture Basis  
TKW = 1000 Kernel Weight

FN = Falling Number  
FM = Foreign Material

S&B = Shrunken and Broken  
n/a = not available

WHEAT DATA									GRADE FACTORS							
	Samples		Moisture %	Protein %	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	DHV %
	Tested	Expected								lb/bu	kg/hl					
<b>This Week</b>	285	445	12.3	14.2	16.1	0.7	34.0	410	1 NS	60.9	80.1	0.0	0.2	0.7	0.9	56
<b>Last Week</b>	170	445	12.3	14.1	16.0	0.7	33.8	410	1 NS	60.7	79.8	0.0	0.2	0.8	1.0	54
<b>2022 Final</b>	423	450	11.6	14.3	16.2	0.6	30.4	386	1 NS	62.1	81.6	0.0	0.2	1.0	1.2	74
<b>5-year Avg</b>	463	450	12.0	14.6	16.6	0.5	30.7	375	1 NS	61.5	80.9	0.0	0.3	0.9	1.2	73

Note: HRS averages in the weekly harvest report are not weighted for production. Results shown represent tested samples collected to date. Data and commentary are on the following sampled states only: MN, MT, ND, SD.

Data source: North Dakota State University, Hard Red Spring Wheat Quality Laboratory

## NORTHERN DURUM

- **Crop Progress:** Producers are making progress with 88% of the crop now harvested in Montana and 68% in North Dakota.
- **Crop Conditions:** In North Dakota there are isolated reports of harvest delays due to precipitation and cooler, shorter days. Overall, producers are reporting average yields and protein. Recent moisture has impacted the color of this year's crop compared to last year. Visit North Dakota's [Crop Progress Report](#) for more information.
- **Wheat Data:** Compared to last week, moisture content, dockage, damaged kernels, and total defects decreased slightly, while protein content increased from 13.8 to 14.0% (12% mb) and HVAC increased from 72 to 79%. The current overall grade of the crop is U.S. #1 HAD.

WHEAT DATA									GRADE FACTORS							
	Samples		Moisture %	Protein %	Dry Basis Protein %	Dockage %	TKW gm	FN sec	Grade	Test Weight		FM %	Damage %	S&B %	Defects %	HVAC %
	Tested	Expected								lb/bu	kg/hl					
<b>This Week</b>	57	128	11.1	14.0	15.9	1.1	41.9	406	1 HAD	61.0	79.4	0.0	0.5	0.6	1.2	79
<b>Last Week</b>	28	128	11.3	13.8	15.7	1.2	41.9	405	1 AD	60.9	79.3	0.0	0.7	0.5	1.3	72
<b>2022 Final</b>	121	122	11.0	13.7	15.6	1.1	40.4	433	1 HAD	61.8	80.4	0.0	0.1	1.0	1.1	92
<b>5-year Avg</b>	113	122	11.3	14.4	16.3	0.9	42.3	399	1 HAD	61.1	79.5	0.0	0.7	0.9	1.6	83

Note: Northern durum averages in the weekly harvest report are not weighted for production. Results shown represent tested samples collected to date. Data and commentary are on the following sampled states only: ND, MT.

Data source: North Dakota State University, Durum Wheat Quality Laboratory

**Legend:** Protein = 12% Moisture Basis  
TKW = 1000 Kernel Weight

FN = Falling Number  
FM = Foreign Material

S&B = Shrunken and Broken  
n/a = not available