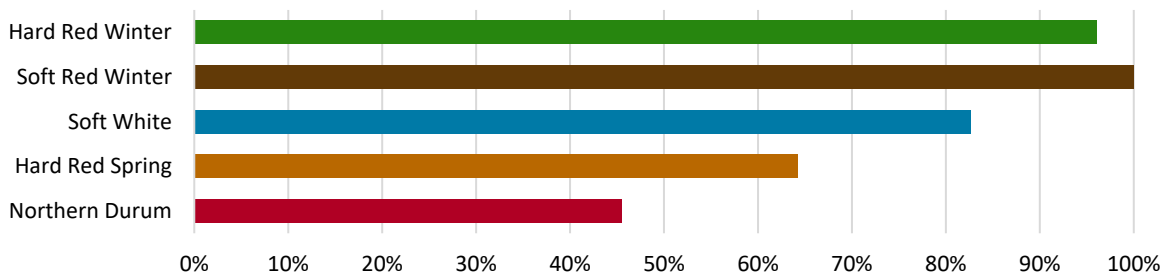




WEEKLY HARVEST REPORT – September 1, 2023

The HRW harvest is all but complete as samples continue to be analyzed in the lab. The SWW crop is more than 80% harvested with data holding steady. HRS harvest is over 60% complete and initial sample data show test weight average of 61.0 lb/bu (80.2 kg/hl) and average protein 14.1% (12% mb). The first northern durum samples are in with the current grade a 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

- **Crop Progress:** The 2023 U.S. HRW harvest is all but wrapped up with fields remaining in Montana (80% complete), Idaho (83% complete) and Washington (94% complete).
- **Crop Conditions:** State representatives continue to report better than expected yields. In the southern Plains, producers are hoping for moisture ahead of planting next year's crop.
- **Wheat Data:** With the slowdown in harvest, only a few additional samples have been tested this week and unweighted test results this week did not change overall wheat and grade factors for the HRW crop. New data continue to indicate higher falling numbers, lower protein and larger kernels compared to last year.
- **Flour/Bake Data:** There are 63 milled composites, with an average laboratory flour extraction of 75.9%, slightly lower than last year. Those same composites indicate flour ash of .54% (14% mb), farinograph absorption of 57.8% (14% mb), bake absorption average of 64.5% (14% mb) and mix time of 4.0 mins; loaf volumes continue to be very good with an overall average of 924 cc. Visit PGI's [Harvest Report](#) for more information.
- **Weather:** Hot and dry conditions in the southern HRW growing region are expected to continue. Moving north and into the PNW, the weather has been warmer with more seasonal temperatures forecast.

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	462	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
Last Week	456	520	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
2022 Final	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
5-year Avg	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

- **Crop Progress:** Harvest is progressing with less than 10% of the 2023 SW winter wheat crop remaining and approximately 25% of the SW spring crop remaining.
- **Crop Conditions:** Proteins continue to be variable, with some higher than average though overall proteins are trending down. Test weights have been improving as harvest progresses. No reports of disease pressure or pest issues.
- **Wheat Data:** Nearly 85% of expected samples have been processed and analyzed with minimal change from last week. Weighted averages indicate test weight of 60.3 lb/bu (79.3 kg/hl), moisture content of 9.0%; a slightly heavier 1000 kernel weight of 32.2 g and falling number value of 336 seconds. Protein decreased slightly to 11.0 (12% mb); most of the remaining samples are from lower protein regions. Solvent retention capacity (SRC) lactic acid values and overall profiles are typical for SW despite the higher protein. Farinograph is suitably weak for SW. The average grade at this time is a U.S. No. 1 SW.
- **Weather:** Seasonal temperatures have returned to the Pacific Northwest, with limited precipitation.

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	327	390	9.0	11.0	12.5	0.4	32.2	336	1 SW	60.3	79.3	0.1	0.0	0.8	0.9
Last Week	285	390	8.9	11.1	12.6	0.4	31.7	336	1 SW	60.2	79.2	0.1	0.0	0.8	0.9
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:** More than 60% of the HRS crop is harvested with South Dakota 91% complete, Minnesota 57%, Montana 71% and North Dakota 38%.
- **Crop Conditions:** Minnesota representatives report harvest yields are better than anticipated with producers “pleasantly surprised”; harvest is slowly progressing due to humidity and dews. No major harvest or quality issues have been reported thus far. Visit North Dakota's [Crop Progress Report](#) for more information.
- **Wheat Data:** This week's data come from about 18% of expected samples. With only a few samples tested, average protein content of 14.4% and average test weight of 61.0 lb/bu (80.2 kg/hl), are both down from last year's and 5-year

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

FN = Falling Number
FM = Foreign Material

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

averages. Falling number average is sound at 416 seconds. Average vitreous kernel content is 55%, making the current average grade as U.S. No. 1 Northern Spring (1 NS).

- **Weather:** Recent hot and dry temperatures are expected to turn cooler with isolated showers forecast.

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					
This Week	82	445	12.4	14.1	16.0	0.6	34.9	416	1 NS	61.0	80.2	0.0	0.4	0.6	1.0	55
2022 Final	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
5-year Avg	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:** Humidity and precipitation continue to slow down the northern durum harvest with 65% of the crop harvested in Montana and 26% in North Dakota.
- **Crop Conditions:** Ratings for the northern durum crop are holding steady with North Dakota at 47% good to excellent and Montana at 10%. State representatives continue to report below average to average yields. Producers have not reported any quality concerns. Visit North Dakota's [Crop Progress Report](#) for more information.
- **Wheat Data:** Samples this week came from southwestern North Dakota and Montana with an average grade of U.S. No. 1 Hard Amber Durum (HAD). Protein content and thousand kernel weight are similar to last year's final average. Dockage, damaged kernels and total defects are higher, while HVAC is lower than that reported for 2022.
- **Weather:** Like HRS, cooler temperatures are forecast to return after this week's warmer, drier conditions.

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					
This Week	10	128	11.3	13.8	15.7	1.6	40.6	382	1 HAD	60.9	79.3	0.0	1.5	0.8	2.3	84.6
2022 Final	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	92.0
5-year Avg	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	83.0

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