U.S. WHEAT ASSOCIATES
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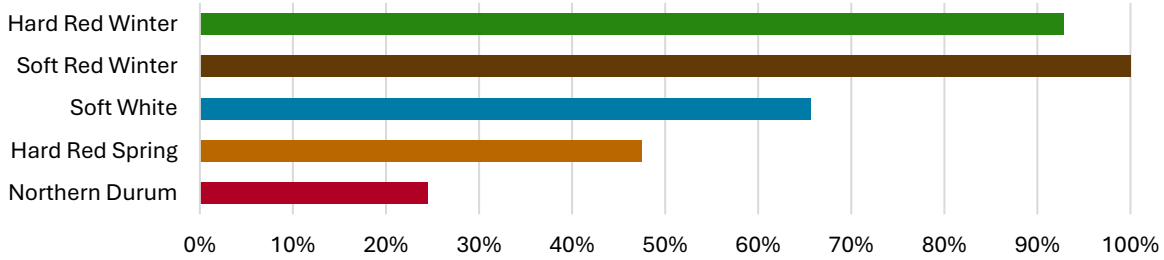
WEEKLY HARVEST REPORT – August 23, 2024

The HRW harvest is almost finished with under 10% remaining. As winter wheat harvest wraps up, focus is shifting to fall planting. Over half the SW crop has been harvested, with protein, moisture, and test weights looking very good. HRS and northern durum harvests have slowed due to rain and humidity, but drier, warmer weather is expected next week.

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



HARD RED WINTER

- **Crop Progress:** The 2024 U.S. HRW harvest is winding down with less than 10% of the sampled crop remaining. The states still harvesting are Montana at 75% complete, Idaho at 72%, Washington at 85% and Oregon at 89%. Scattered showers caused isolated delays in Montana and Oregon.
- **Crop Conditions:** Reports from Montana indicate strong test weights, excellent yields, and protein levels averaging 11.4% (12% mb). The remaining HRW crop in the Pacific Northwest is in good shape, with no falling numbers, strong test weights but lower protein levels. Generally, yields are high, though areas that experienced limited precipitation or late frost are lower yielding. Moisture is needed in the Southern Plains and portions of Wyoming and Nebraska as fall planting approaches; USDA estimates 45% of the winter wheat growing region is in drought.
- **Wheat Data**: With harvest slowing, only a few more samples were tested this week. Cumulative unweighted data remained almost unchanged. The current average grade is U.S. No. 1 HRW.
- **Flour/Dough Data**: Laboratory milling extraction average is 75.1%, exhibiting a good milling crop. Average flour ash is 0.52 to 0.53% (14% mb). Flour falling number exceeds 400 seconds. Farinograph absorptions are in-line with the 5-year average; development time and stability are consistent with recent years. Extensograph resistance results are slightly lower compared to last year, indicating a slightly weaker, more extensible crop. Bake data from 19 loaves show loaf volumes down to 842 cc, reflecting lower protein samples, but should increase with higher protein content. Protein content to loaf volume ratio is similar to previous years.
- **Weather**: Isolated rain potential and warming temperatures are forecast.

WHEAT DATA

	Samples		Moisture	Protein	Dry Basis Protein	Dockage	TKW	FN
	Tested	Expected	%	%	%	%	gm	sec
This Week	494	500	11.2	12.0	13.6	0.6	29.5	361
Last Week	480	500	11.2	12.0	13.6	0.6	29.5	361
2023 Final	503	500	11.5	12.7	14.4	0.6	29.7	355
5-year Avg	493	500	11.1	11.6	13.2	0.5	31.3	370

GRADE FACTORS

Grade	Test Weight		FM	Damage	S&B	Defects
	lb/bu	kg/hl	%	%	%	%
1 HRW	61.1	80.4	0.1	0.2	0.8	1.0
1 HRW	61.1	80.4	0.1	0.2	0.8	1.0
2 HRW	59.8	78.7	0.1	0.5	0.9	1.6
1 HRW	60.9	80.0	0.2	0.6	0.9	1.4

Legend:
Protein = 12% Moisture Basis
TKW = 1000 Kernel Weight
FN = Falling Number
FM = Foreign Material
S&B = Shrunken and Broken
n/a = not available

Note: HRW averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: CO, ID, KS, MT, NE, OK, OR, SD, TX, WA, WY. Table data source: Plains Grains, Inc.

SOFT RED WINTER

The final 2024 SRW weekly harvest report was issued on July 26 and can be found online at HR-240726.pdf (uswheat.org).

WHEAT DATA

	Samples		Moisture	Protein	Dry Basis Protein	Dockage	TKW	FN
	Tested	Expected	%	%	%	%	gm	sec
2024 Final	233	300	13.0	9.7	11.0	0.3	32.8	316
2023 Final	232	250	13.3	9.3	10.6	0.4	35.9	320
5-year Avg	235	250	13.2	9.5	10.8	0.3	32.6	311

GRADE FACTORS

Grade	Test Weight		FM	Damage	S&B	Defects
	lb/bu	kg/hl	%	%	%	%
2 SRW	59.1	77.7	0.2	0.5	0.6	1.2
1 SRW	60.3	79.3	0.2	0.3	0.6	1.0
2 SRW	60.1	79.1	0.1	0.4	0.6	1.0

Note: SRW averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: AL, AR, IL, IN, KY, MD, MO, NC, OH, TN, VA. Table data source: Great Plains Analytical Laboratory.

SOFT WHITE

- **Crop Progress:** The SW winter crop is now 82% harvested and the spring crop is 49% harvested. By state, Oregon is 81% harvested, Washington is 69% and Idaho is 48%.
- **Crop Conditions:** States report average to above average SW winter wheat yields and excellent test weights. In contrast, SW spring wheat is lower yielding due to more unfavorable growing conditions, including frost damage, high temperatures and limited rainfall. While protein levels are trending lower than average, there is excellent carryover from last year's high protein crop.
- **Wheat Data:** An additional 123 samples arrived for testing with limited to no change to this week's weighted averages. Wheat moisture continues to trend low at 8.8%. Wheat protein at 9.1% (12% mb) is low, but still within normal range for SW. Average kernel size is 2.71 mm, similar to the 5-year average of 2.69 mm. Farinograph water absorptions are suitably low for SW. Wet gluten is trending lower but expected because of low protein content. Thousand kernel weight of 34.8 grams is in line with the 5-year average. The average grade at this time is a U.S. No. 1 SW.
- **Weather:** Average to above average temperatures and limited rain chances are forecast.

WHEAT DATA

	Samples		Moisture	Protein	Dry Basis Protein	Dockage	TKW	FN
	Tested	Expected	%	%	%	%	gm	sec
This Week	343	390	8.8	9.1	10.3	0.4	34.8	324
Last Week	220	390	8.5	9.2	10.5	0.5	34.5	321
2023 Final	450	390	9.1	11.1	12.6	0.4	32.5	336
5-year Avg	411	390	9.1	10.0	11.2	0.5	34.4	328

GRADE FACTORS

Grade	Test Weight		FM	Damage	S&B	Defects
	lb/bu	kg/hl	%	%	%	%
1 SW	60.9	80.2	0.0	0.0	0.5	0.6
1 SW	61.1	80.3	0.1	0.0	0.5	0.6
1 SW	60.3	79.3	0.1	0.0	0.6	0.7
1 SW	61.1	80.3	0.0	0.1	0.6	0.7

Note: SW averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: ID, OR, WA. Table data source: Wheat Marketing Center.

HARD RED SPRING

- **Crop Progress**: Scattered rainfall, cooler temperatures, and high humidity continue to slow harvest in the HRS region. State sources estimate 50% of Minnesota's, 25% of North Dakota's, and 45% of Montana's crops are harvested, with USDA estimating 70% for South Dakota.
- **Crop Conditions**: Quality reports from early-harvested fields, before recent rain, have been good. In higher yielding areas, protein levels are trending lower than in recent years. In mature fields where harvest has been delayed by rain

Legend: Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available

over the past weeks, producers are monitoring for quality issues, such as low falling numbers and Fusarium head blight (scab). Despite recent rains, HRS yield prospects remain promising. In Montana, yields and test weights are average to below average, while falling number, protein and vitreous levels are strong.

- **Disease/Pest Pressure**: Producers are monitoring for foliar diseases and quality issues in areas that have experienced rain, cool temperatures and high humidity.
- **Weather:** Warmer and drier weather is expected after recent rain, humidity, and cooler temperatures.

WHEAT DATA	Samples		Moisture	Protein	Dry Basis Protein	Dockage	TKW	FN
	Tested	Expected	%	%	%	%	gm	sec
2023 Final	483	450	12.2	14.2	16.2	0.7	34.3	379
5-year Avg	467	450	11.9	14.6	16.6	0.6	30.7	375

GRADE FACTORS	Test Weight		FM	Damage	S&B	Defects	DHV
Grade	lb/bu	kg/hl	%	%	%	%	%
1 NS	61.2	80.5	0.0	0.3	0.8	1.1	52
1 NS	61.6	81.0	0.0	0.3	0.9	1.3	79

Note: HRS averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: MN, MT, ND, SD. Table data source: North Dakota State University, Hard Red Spring Wheat Quality Laboratory

NORTHERN DURUM

- **Crop Progress:** North Dakota's durum crop is maturing slowly, with state reports indicating that 5-10% has been harvested and showing good quality. In Montana, the USDA estimates that 42% of the durum crop has been harvested.
- **Crop Conditions:** Recent intermittent showers and cooler weather have caused minor harvesting delays. Overall, the reported quality on harvested durum remains good, with high protein levels, falling number and vitreous levels but slightly lighter test weight and lower yields.
- **Weather:** Like HRS, weather conditions are expected to warm up and dry out over the coming week.

WHEAT DATA	Samples		Moisture	Protein	Dry Basis Protein	Dockage	TKW	FN
	Tested	Expected	%	%	%	%	gm	sec
2023 Final	131	128	11.5	13.9	16.1	1.1	40.9	394
5-year Avg	113	123	11.2	13.9	16.1	0.9	42.8	410

GRADE FACTORS	Test Weight		FM	Damage	S&B	Defects	HVAC
Grade	lb/bu	kg/hl	%	%	%	%	%
1 HAD	61.3	79.8	0.0	0.4	0.6	1.0	79
1 HAD	61.4	79.9	0.0	0.7	0.8	1.5	84

Note: Northern durum averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: ND, MT. Table data source: North Dakota State University, Durum Wheat Quality Laboratory.

Additional Resources:

- News | Colorado Wheat
- Harvest | Kansas Wheat
- News | Plains Grains
- Harvest Updates | Texas Wheat
- Weekly Wheat Update | ND Wheat Commission
- News | Idaho Wheat
- News | WA Grains
- SD Wheat
- News | Maryland Grain Producers

Legend: Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available