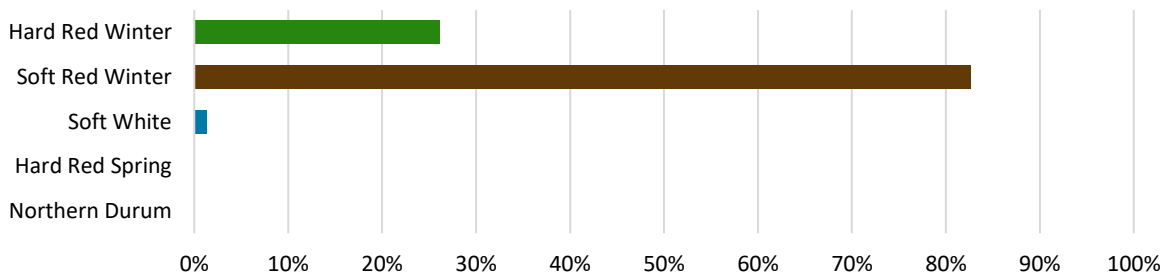




## WEEKLY HARVEST REPORT – July 14, 2023

Despite delays due to rain and humidity, HRW harvest is now progressing in 9 states with data from 141 samples included in this week’s report. The SRW harvest is steadily progressing and is more than 80% complete. The PNW continues to trend hot and dry as harvest begins on SW winter wheat. Cooler temperatures across HRS and northern durum growing regions stabilized the crops, but rain is needed.

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



### HARD RED WINTER

- **Crop Progress:** After rain delays, harvest is all but complete in Texas and Oklahoma. The [Kansas](#) harvest continues to be impeded by rain and humidity with only 59% harvested compared to the 5-year average of 84%. Harvest is 12% complete in [Nebraska](#), 9% in South Dakota, and 6% in Oregon, and combines are now rolling in Colorado, Idaho, and Washington.
- **Crop Conditions:** Like last week, producers report variable yields based on environmental factors. Portions of the southern and central Great Plains have received excessive rains in the last two months, replenishing soil moisture, but reducing yields, increasing abandonment and delaying harvest. Crop conditions improve moving north, where a long cool spring has aided kernel development; producers are hoping for warmer weather to push the crop to maturity. The Northern Great Plains and PNW crops are maturing quickly with heat and dryness.
- **Disease/Pest Pressure:** Reports of weed, disease and pest pressures have been noted throughout the growing region. Disease pressure remains low in the drier areas.
- **Wheat Data:** This week’s data reflects 144 samples and indicates the HRW crop is carrying a protein content of 13.4% (12% mb) and test weight of 60.2 lb/bu (78.9 kg/hl); test weights are trending lower where rain has slowed harvest. Single kernel hardness is 57.5 compared to the 3-year average of 30.8. The falling number average is 372 seconds and indicates a sound crop to date. Due to rounding, the HRW crop currently grades a U.S. #2.
- **Weather:** The southern and central Great Plains continue to experience precipitation (rain and hailstorms) and high humidity. Hot weather and minimal to no precipitation are forecast for the northern Great Plains and PNW.

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	141	520	12.1	13.2	15.0	0.9	31.0	372	2 HRW	60.2	79.2	0.3	0.3	0.7	1.3
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

- **Crop Progress:** Harvest is progressing through the region with less than 20% of the sampled crop remaining. Only Illinois, Maryland and Ohio are less than 70% harvested.
- **Crop Conditions:** USDA crop conditions in Illinois are 77% good to excellent, 72% in Ohio and 79% in Maryland. Industry sources in Ohio report the crop looks good overall with yields up to 140 bu/acre (9.4 tons/ha).
- **Disease/Pest Pressure:** No disease or pest pressures reported. Overall, disease prevalence has been low due to a mild winter and cooler, drier spring, and despite recent rain events, no DON (vomitoxin) has been reported.
- **Wheat Data:** An additional 29 samples were analyzed this week. Falling number and 1000 kernel weight are similar to last year and above the 5-year average, indicating sound wheat. Individual wheat sample test weights are averaging 60.1 lb/bu (79.1 kg/hl). The 2023 SRW crop currently grades a U.S. #1.
- **Weather:** Isolated precipitation fell across the growing region this past week. Average to above average temperatures and chance of rain are forecast.

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				
This Week	163	300	13.3	9.4	10.7	0.5	36.2	323	1 SRW	60.1	79.1	0.2	0.3	0.5	1.0
Last Week	134	300	13.0	9.5	10.8	0.5	35.9	325	2 SRW	59.7	78.5	0.2	0.4	0.4	0.9
2022 Final	229	300	12.4	9.6	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	300	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:** The entire SW crop is headed out in Oregon and Washington while 92% is in Idaho. In the drier areas, winter wheat harvest is well underway with Oregon at 6%, Idaho 1% and Washington 1%.
- **Crop Conditions:** Crop maturation in Washington and Oregon has accelerated with hotter, drier temperatures. Due to early season heat and below average rainfall, representatives expect an average to below average crop with lower yields and higher protein.
- **Disease/Pest Pressure:** Soil-borne wheat mosaic virus was reported in northern Idaho. In Oregon, isolated reports of stripe rust and cereal leaf beetle. No significant disease pressure in Washington is reported.
- **Weather:** No precipitation and above average temperatures prevail in the Pacific Northwest. Portions of all three PNW states are abnormally to moderately dry, with pockets of severe drought.

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				
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:** Nearly 80% of the U.S. crop has headed, ahead of the 5-year average and well ahead of last year. By state, South Dakota is 95% headed, Minnesota is 90%, Montana is 65%, and North Dakota is 65%.
- **Crop Conditions:** [State representatives](#) continue to report that crop conditions are variable depending on plant date and environmental conditions. Areas of eastern North Dakota and western Minnesota have seen well below average rainfall with drought conditions expanding, impacting yield potential. Southwest and south-central North Dakota and eastern Montana have more favorable soil moisture conditions, but overly dry areas are expanding.
- **Disease/Pest Pressure:** There are isolated reports of foliar diseases, and grasshoppers in drier areas.
- **Weather:** This week’s cooler temperatures helped stabilize the crop, but dry conditions continue with isolated thunderstorms 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					
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:** The North Dakota durum crop is progressing ahead of average levels: 53% has headed out, up from 32% a week ago. In Montana, crop development is accelerating with 40% headed, up from 7% a week ago.
- **Crop Conditions:** Crop conditions held steady for North Dakota at 64% good to excellent and Montana dropped slightly to 21% good to excellent.
- **Disease/Pest Pressure:** Grasshoppers have been reported in the durum production area of eastern Montana.
- **Weather:** Portions of the durum region have received little to no recent precipitation and are classified abnormally dry; producers continue to hope for precipitation to aid in crop development.

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					
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	11.0
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	11.3

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