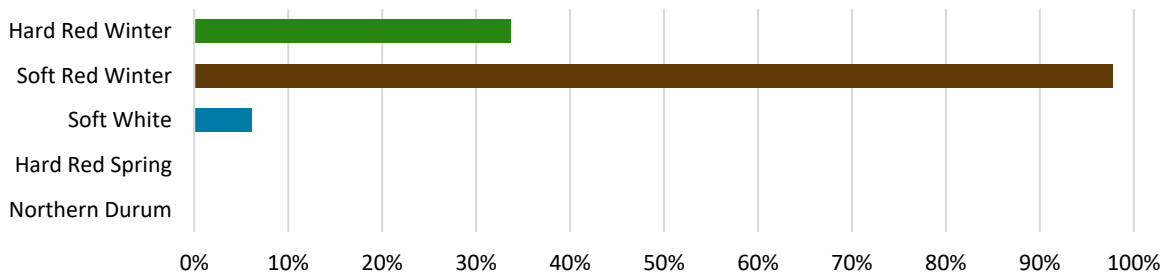




## WEEKLY HARVEST REPORT – July 21, 2023

The HRW harvest is 34% complete with more than 200 samples in the lab for testing. The SRW harvest is winding down and currently grades a U.S. #1 SRW. The PNW continues to trend hot and dry as harvest progresses. The HRS and Northern durum crops are advancing under hot, dry conditions.

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



### HARD RED WINTER

- **Crop Progress:** Scattered showers and thunderstorms have continued to slow harvest in portions of Kansas, Colorado and Nebraska. Producers are hoping to pick up pace next week with hot, dry weather. Overall, 34% of the sampling area is harvested and test cutting is expected to begin in Wyoming next week.
- **Crop Conditions:** Like last week, state representatives report variability in yields and quality based on environmental factors. Rainfall in the southern and central Great Plains has replenished soil moisture, but reduced yields, increased abandonment and delayed harvest. Moving north, crop development has been delayed by a long cool spring, but warmer weather is advancing the crop. In the PNW, the lack of moisture and heat is stressing the crop.
- **Disease/Pest Pressure:** There are reports of swathing due to weed pressure and wheat stem sawfly. Disease pressure remains low in the drier areas.
- **Wheat Data:** This year's slow harvest has also impacted sample collection with only 205 samples analyzed so far. Higher than average proteins reflect early season drought conditions. Test weights and falling number values are trending lower reflect samples from areas impacted by rain at harvest. Despite the environmental challenges, domestic mills report that, so far, the crop has good farinograph characteristics and is mixing well in the bake labs.
- **Weather:** The southern and central Great Plains continue to experience precipitation (rain and hailstorms) and high humidity, but the weather is expected to turn hot and dry next week.

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	205	520	12.0	13.3	15.1	0.9	31.0	366	2 HRW	60.2	79.2	0.3	0.4	0.7	1.4
Last 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 of the 2023 SRW crop is nearing completion with the remaining samples in transit to the lab. Representatives in Maryland and Ohio report better than expected yields with some producers reporting over 100 bu/ac (6.7 tons/ha). In Illinois, farmers are reporting an outstanding crop with high yields and excellent quality.
- **Wheat Data:** Testing is complete on 222 samples from across the region with little to no change from last week. Compared to last year, protein and falling number are slightly lower, while 1000 kernel weight is higher. Test weight is similar to last year and higher than the 5-year average making the current average grade a U.S. No. 1 SRW. Of the 16 reporting areas completed, all have graded U.S. No. 2 or better.
- **Flour Data:** Very early flour data suggests milling yield and flour ash are similar to last year’s crop. Of composites tested, average bread volume and cookie width/thickness are slightly lower than 2022.

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	222	300	13.4	9.3	10.6	0.4	35.8	319	1 SRW	60.2	79.2	0.2	0.3	0.6	1.0
Last 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
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:** Winter crop harvesting is underway in all three PNW states with 6% of the crop harvested in Washington, 5% in Idaho and 15% in Oregon. The spring crop is fully headed with the first fields harvested in Oregon. The Idaho crop is slightly behind due to a cool spring. First sample testing results are expected in the next 1-2 weeks.
- **Crop Conditions:** Dryland areas and regions with shallow soil are being harvested first where due to environmental conditions, proteins are trending higher. Proteins are expected to trend lower once harvest begins in Washington’s Palouse region. Overall, there is [expected variability](#) in protein, test weight and yields based on growing conditions.
- **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:** More than 90% of the U.S. crop has headed, ahead of the 5-year average and well ahead of last year. By state, South Dakota is 98% headed, Minnesota is 95%, Montana is 90%, and North Dakota is 79%.
- **Crop Conditions:** Participants in the Wheat Quality Council Spring Wheat Tour next week are expected to see an average, but variable crop. Recent cooler weather stabilized the crop in the drier areas of eastern North Dakota and western Minnesota, but [representatives](#) are concerned about additional stress with hotter temperatures. In Montana, the crop is expected to be average to below average with no quality concerns anticipated.
- **Disease/Pest Pressure:** There are isolated reports of foliar diseases and grasshoppers in drier areas.
- **Weather:** Last week’s beneficial temperatures helped stabilize the crop, but the weather has turned hot and dry.

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: 70% has headed out, up from 53% a week ago; the crop is starting to turn in southern areas. In Montana, crop development is catching up with 61% headed, up from 40% a week ago.
- **Crop Conditions:** Crop conditions dropped slightly with North Dakota at 61% good to excellent and Montana 17%. State representatives note that recent hot temperatures reduced top yield potential and producers are expecting an average to below average crop.
- **Disease/Pest Pressure:** Grasshoppers have been reported in the drier production areas.
- **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