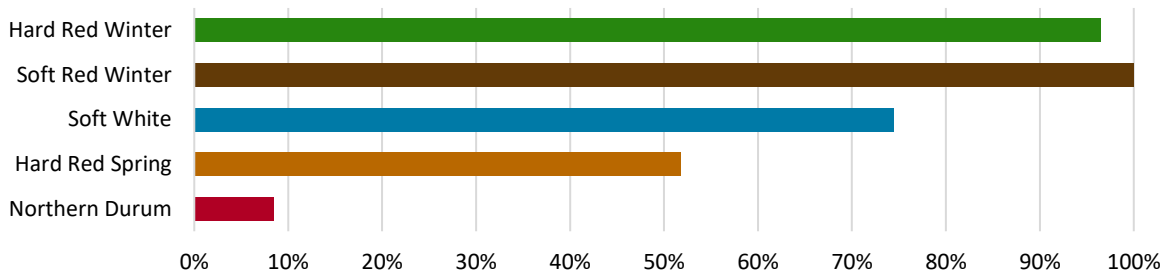




WEEKLY HARVEST REPORT – August 13, 2021

The HRW harvest is nearly complete with data holding steady. SW harvest continues apace under hot, dry conditions; testing data are reflective of a stressed crop. HRS harvest is over 50% complete and initial sample data show test weight average of 62.0 lb/bu (81.5 kg/hl) and average protein 15.4% (12% mb). The northern durum crop is just under 10% harvested with variable yields reported.

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



HARD RED WINTER

- **Crop Progress:** The 2021 U.S. HRW harvest is winding down with less than 5% of the sampled crop remaining.
- **Crop Conditions:** The HRW fields left to harvest are drought stressed. As thoughts turn to fall planting, much of the HRW production region will need rain to generate sufficient soil moisture for the next crop.
- **Weather:** The PNW is experiencing another heatwave as temperatures are expected to exceed 105°F (41°C), well above normal. Concern about soil moisture for the next crop in the PNW and Northern Plains is growing. According to USDA, subsoil moisture for Washington is 95% poor to very poor; Montana 94%; Oregon 90%; North Dakota 89%; South Dakota 84%; Minnesota 82% and Idaho 78%.
- **Wheat Data:** There are now 436 samples in various stages of testing, with no change in data this week except for falling number, which decreased slightly to 367 seconds. Single kernel diameter is currently 2.58 mm and hardness 61. On 118 samples, sedimentation is 48 cc compared to 52 in 2020. Milling has begun on 70 composites formed from 29 grainsheds broken out by protein level.

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	436	500	11.4	11.6	13.2	0.5	30.3	367	1 HRW	60.6	79.7	0.3	0.5	1.0	1.8
Last Week	418	500	11.4	11.6	13.2	0.5	30.3	370	1 HRW	60.6	79.7	0.3	0.5	1.0	1.8
2020 Final	431	500	10.9	11.9	13.5	0.5	31.6	367	1 HRW	61.7	81.1	0.2	0.2	1.1	1.5
5-year Avg	486	493	11.0	11.6	13.2	0.6	32.3	377	1 HRW	60.9	80.1	0.1	0.2	0.9	1.2

Note: HRW averages in the weekly harvest report are not weighted for production. Results shown represent tested samples collected to date.

Data Source: Plains Grains, Inc.

SOFT RED WINTER

The final 2021 SRW weekly harvest report was issued on July 30 and can be found online at [HR-210730-1.pdf \(uswheat.org\)](https://www.uswheat.org/HR-210730-1.pdf).

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				
2021 Final	263	300	13.6	9.4	10.7	0.2	34.3	294	2 SRW	59.5	78.3	0.1	0.6	0.6	1.2
2020 Final	191	300	13.3	9.4	10.6	0.3	33.5	319	2 SRW	59.5	78.3	0.1	0.4	0.5	0.9
5-year Avg	320	339	12.6	9.6	10.9	0.4	32.0	313	2 SRW	58.2	76.6	0.1	0.9	0.6	1.5

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 Source: Great Plains Analytical Laboratory

SOFT WHITE

- **Crop Progress:** The SW harvest continues at a fast pace with approximately 93% of the winter crop harvested and 56% of the spring crop harvested.
- **Weather:** The region remains dry and is once again experiencing 100°F+ (38°C+) temperatures. With regional subsoil moisture levels at 56% short and 32% very short, growers are hoping for any moisture ahead of seeding the next winter wheat crop.
- **Wheat Data:** Composite results from 191 samples now in various stages of testing show the current grade of No. 2 SW with protein of 11.3% (12% mb) above the 5-year average of 9.8. The high protein, low moisture and lower test weight values reflect the extreme heat and drought conditions. For buyers, this will be a good year to better understand SW protein performance verses protein levels; your local USW representative can help.

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	191	390	8.2	11.3	12.8	0.3	29.0	350	2 SW	59.9	78.8	0.0	0.0	0.9	0.9
Last Week	154	390	8.0	11.2	12.7	0.4	28.9	349	2 SW	59.8	78.7	0.0	0.0	0.9	0.9
2020 Final	389	390	9.2	9.8	11.1	0.5	36.3	323	1 SW	61.9	81.4	0.0	0.0	0.4	0.5
5-year Avg	443	394	9.3	9.8	11.1	0.5	36.0	319	1 SW	61.4	80.7	0.0	0.0	0.5	0.6

Note: SW averages in the weekly harvest report are weighted for production. Results shown represent tested samples collected to date.

Data Source: Wheat Marketing Center

HARD RED SPRING

- **Crop Progress:** With dry conditions, harvest is progressing rapidly in South Dakota (72% per USDA), Montana (35%), Minnesota (76%) and North Dakota (24%). Abandonment or baling poor HRS fields for livestock feed is happening but no official estimate is available.
- **Crop Conditions:** HRS conditions reflect the ongoing drought with only 11% of the remaining crop in good to excellent condition. Industry sources report better than expected quality while low yields are reflective of heat and drought stress; producers are having to choose between harvesting low yielding fields or baling for feed.
- **Weather:** Warm, dry conditions are expected to continue over the next 10 days.
- **Wheat Data:** Approximately 19% of the samples have been collected and analyzed for this week’s report. Test weight average is 62.0 lb/bu (81.5 kg/hl) compared to the 2020 final average of 61.8 lb/bu (81.3 kg/hl). Current average protein is 15.4% (12% mb), up from last year’s 14.3%. Falling number average is over 400 seconds, indicating a sound crop. Average vitreous kernel content is 86% to make the average grade of the crop at this time U.S. No. 1 Dark Northern Spring (1 DNS).

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	84	445	11.8	15.4	17.5	0.5	31.4	433	1 DNS	62.0	81.5	0.0	0.1	0.7	0.8	86
2020 Final	475	451	11.9	14.4	16.4	0.7	31.8	390	1 NS	61.6	81	0.0	0.5	0.6	1.1	67
5-year Avg	472	465	12.1	14.5	16.5	0.7	32.0	401	1 DNS	61.2	80.4	0.0	0.2	0.8	0.9	77

Note: HRS averages in the weekly harvest report are not weighted for production. Results shown represent tested samples collected to date.

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

NORTHERN DURUM

- **Crop Progress:** The 2021/22 durum harvest continues with Montana 12% harvested and North Dakota 5%. Industry sources report variable yields, similar to HRS.
- **Crop Conditions:** This week’s crop condition ratings continue to reflect prolonged heat and drought stress; USDA estimates only 22% of the North Dakota crop and 4% of Montana’s is in good to excellent condition.
- **Weather:** Warm, dry conditions are expected to continue over the next 10 days.

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					
2020 Final	102	120	10.9	13.6	15.5	1.1	46.4	418	1 HAD	61.9	80.6	0.0	0.7	0.6	1.3	88.8
5-year Avg	111	117	11.4	13.9	15.8	1.1	41.6	394	1 HAD	61.0	79.4	0.0	0.4	0.8	1.3	81.4

Note: Northern durum averages in the weekly harvest report are not weighted for production. Results shown represent tested samples collected to date.

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

RESOURCES		
<p>California Wheat Commission Laboratory</p> <p>Colorado Wheat Blog</p> <p>Great Plains Analytical Laboratory</p> <p>Kansas Wheat Harvest Update</p> <p>Montana Crop Progress Report</p> <p>Nebraska Crop Report</p>	<p>North Dakota Crop Progress Report</p> <p>Plains Grains Inc.</p> <p>South Dakota Wheat Outlook</p> <p>Texas Wheat Harvest Update</p> <p>Wheat Marketing Center</p>	<p style="text-align: center;">Questions?</p> <p style="text-align: center;">Please contact USW Vice President of Programs Erica Oakley at eoakley@uwheat.org</p> <p style="text-align: center;">Subscribe here to receive this report by email</p> <p style="text-align: center;">www.uswheat.org Facebook Twitter LinkedIn Vimeo</p>