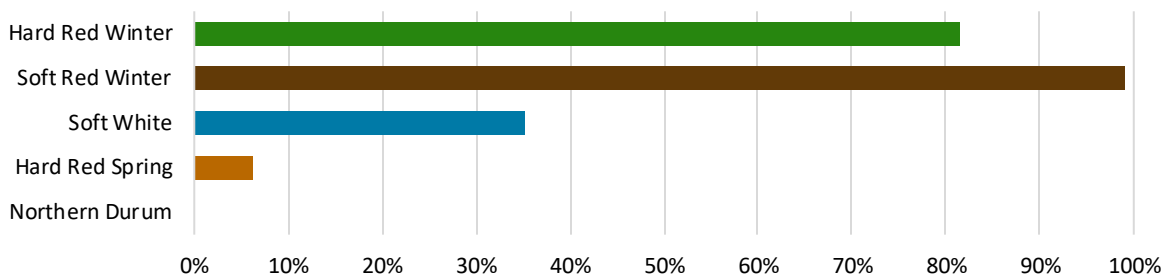




WEEKLY HARVEST REPORT – July 30, 2021

The U.S. winter wheat harvest is rapidly progressing in northern and Pacific Northwest regions with warm, dry conditions holding on. HRW crop conditions remain variable. Harvest of a larger SRW crop is almost complete and all samples have been tested. The Wheat Quality Council Hard Spring and Durum Tour saw HRS and durum crops that will have much lower-than-average yields but with promising quality. Harvest of winter SW is progressing well ahead of normal. Durum conditions are slightly better than HRS but remain drought and heat stressed.

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



HARD RED WINTER

- **Crop Progress:** The HRW harvest is rapidly moving toward the finish in South Dakota Nebraska, Wyoming and Montana. HRW in the PNW is also at least 50% complete. Abandonment or baling poor HRW fields for livestock feed is happening in very dry areas but no official estimate is available. USDA's current estimate of 2021/22 HRW production is 805 mil bu (21.9 MMT), a 22% increase over last year.
- **Crop Conditions:** The HRW fields left to harvest are drought stressed at best. Across the entire production region, farmer thoughts are turning to planting and, except for Texas, Oklahoma and areas of Kansas, rain will be needed to generate sufficient soil moisture for the next crop.
- **Weather:** Dry, hot conditions across the HRW production area are expected over the next 10 days.
- **Wheat Data:** There are now 411 samples in various stages of testing including a few from South Dakota and Montana. The averages reflect composite numbers not weighted for production. Protein increased this week (11.6%) with samples from drier areas. Test weight (60.6 lb/bu, 79.7 kg/hl) and TKW (30.4g) are down slightly this week. Average Falling Number this week changed only 1 second 276 seconds and represents 271 of the 411 samples now in the lab.

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	411	500	11.4	11.6	13.2	0.5	30.4	276	1 HRW	60.6	79.7	0.3	0.5	1.0	1.8
Last Week	345	500	11.3	11.4	13.0	0.5	30.8	275	1 HRW	60.9	80.2	0.2	0.5	0.8	1.5
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

- **Crop Progress:** Only areas producing SRW for domestic use in northern states remain to be harvested. USDA estimates total 2021/22 production at 362 mil bu (9.9 MMT).
- **Weather:** Most of the SRW production region continues to have adequate soil moisture with seeding likely to start by September.
- **Wheat Data:** Falling number is similar to last year’s average with lower scores from Arkansas and North Carolina. Test weight average is relatively unchanged from last year at 59.57 lb/bu. The TKW is good this year and higher than last year and the crop grades No. 2 SRW again this year. The average vomitoxin on the composite samples from each area is 0.722 ppm.
- **Flour Data:** Bread volume and crumb grain are both down slightly this year. Average grain score in 2020 was 5.7 and this year it is 4.6. Cookie w/t factor is up slightly in 2021 to 10.682. The highest w/t factor was in eastern Virginia, 11.53, and the lowest was Kentucky at 10.06. Farinograph absorption is similar. In 2020 the absorption was 52.6 and this year it is 52.3.

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	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
Last Week	230	300	13.5	9.4	10.7	0.2	34.3	291	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 winter SW harvest pace picked up and likely exceeds official estimates of 35% in Idaho, 59% in Oregon and 50% in Washington. Spring SW harvest is also progressing in Washington. USDA currently estimates total U.S. SW winter production at 181 mil bu (4.9 MMT), which includes SW produced outside the PNW. Composite results from 102 samples now in various stages of testing show the current grade of No. 2 SW with protein of 11.3% (12% moisture basis) above the 5-year average of 9.8. These results and others reflect the extreme heat and drought conditions.
- **Crop Conditions:** The impact of the unrelenting drought on the 2021/22 SW winter and spring crops in the PNW is well-known. Yields are down and industry sources expect more planted area will be abandoned as harvest progresses. Though protein levels are up generally, there are still some lower protein counts being reported. For buyers, this will be a good year to better understand SW protein *performance* verses protein *levels*; your local USW representative can help.
- **Weather:** Extremely hot and dry conditions persisted across the Pacific Northwest (PNW). Growers are hoping for any moisture ahead of seeding the next winter wheat crop.

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	102	390	7.9	11.3	12.8	0.3	27.18	350	2 SW	59.9	78.8	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	0.4	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:** Harvest is underway in South Dakota (21% per USDA), Montana (3%), Minnesota (1%) and scouts on the 2021 Wheat Quality Council Hard Spring and Durum Tour saw harvesting in southern North Dakota. With most of the HRS crop headed out (97% per USDA as of July 25) and dry conditions ahead, harvest is expected to progress rapidly. USDA currently estimates HRS production at 305 mil bu (8.3 MMT), a 42% decrease from last year.
- **Crop Conditions:** Tour scouts this week did see a stressed crop but reported that conditions are variable across the region from full maturity to fields that may be several weeks from harvest. The tour snapshot of expected HRS yield was 29.1 bu/a. However, the consensus from the tour is that HRS crop quality in available supplies should be good.

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					
2020 Final	475	451	11.9	14.4	16.4	0.7	31.8	390	1 NS	61.6	81	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 North Dakota crop is now 96% headed out and the Montana crop is maturing quickly as well. The Wheat Quality Council tour average durum yield estimate came in at 24.3 bu/a, which is very low, but is still more than the poor crop in 2008.
- **Crop Conditions:** Heat and drought stress on the northern durum crop are significant. USDA continues to estimate 56% of the North Dakota crop is in good to fair condition.
- **Weather:** Very 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	0.7	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

[California Wheat Commission Laboratory](#)
[Colorado Wheat Blog](#)
[Great Plains Analytical Laboratory](#)
[Kansas Wheat Harvest Update](#)
[Montana Crop Progress Report](#)
[Nebraska Crop Report](#)

[North Dakota Crop Progress Report](#)
[Plains Grains Inc.](#)
[South Dakota Wheat Outlook](#)
[Texas Wheat Harvest Update](#)
[Wheat Marketing Center](#)

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