

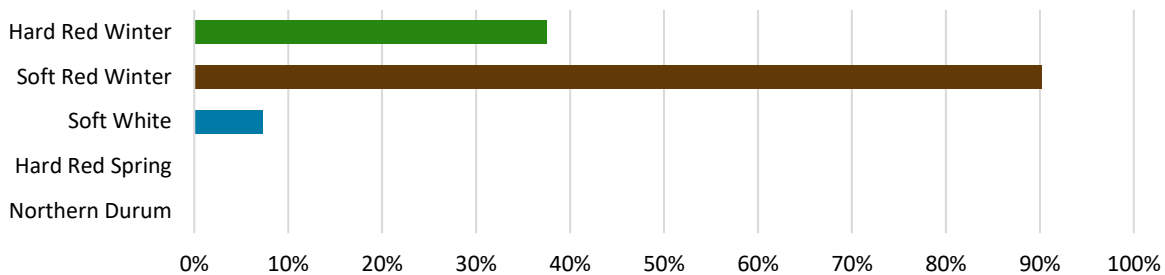


WEEKLY HARVEST REPORT – July 16, 2021

Despite delays due to rain and humidity, HRW harvest is 38% complete in sampled states with 266 samples in the lab for testing. The SRW harvest is 90% complete and sample collection has ended. The PNW continues to trend hot and dry as harvest picks up pace; the first SW samples are being delivered to the lab this week. The HRS crop continues to mature at a faster than normal pace as the region struggles with prolonged drought. The northern durum growing region also needs rain.

USDA estimates winter wheat production at 1.36 billion bushels (37.1 MMT), an increase of 16% from last year and up 4% from June; spring wheat production is estimated at 345 million bushels (9.4 MMT), a 41% decrease from 2020; and durum production is forecast at 37.2 million bushels (1.0 MMT), a 46% decrease from last year.

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



HARD RED WINTER

- **Crop Progress:** Harvest progress remains behind average in the southern and central Great Plains, while the northern Great Plains and PNW are ahead of the 5-year average due to widespread drought conditions and record high temperatures. Overall, 38% of the sampling area is harvested. USDA estimates that HRW production will be 805 mil bu (21.9 MMT), a 22% increase over last year and up 4% from the June forecast.
- **Crop Conditions:** Industry sources are reporting average to good test weights though it trends lower in areas that experienced drought and/or above average temperatures during grain fill. The lack of moisture and heat continues to stress the crop in the northern and PNW growing regions.
- **Weather:** The southern and central Great Plains continue to experience scattered precipitation (rain and hailstorms) and high humidity. Hot weather and minimal to no precipitation are forecast for the northern Great Plains and PNW as forest fires continue.
- **Wheat Data:** There are 266 samples from Texas, Oklahoma, Kansas, Colorado and Nebraska in various stages of testing. Test weights are averaging 61.4 lb/bu (80.7 kg/hl) but trending lower in drought areas or where rain has slowed harvest. Average protein increased significantly this week with samples from western Texas, Oklahoma and Kansas.

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	266	500	11.3	11.4	13.0	0.5	31.7	280	1 HRW	61.4	80.8	0.3	0.4	0.8	1.5
Last Week	188	500	10.8	11.0	12.5	0.5	32.3	283	1 HRW	62.0	81.5	0.4	0.3	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

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 not weighted for production. Results shown represent tested samples collected to date.

Data Source: Plains Grains, Inc.

SOFT RED WINTER

- **Crop Progress:** Harvest is winding down with approximately 10% of the sampled crop remaining. USDA estimates that SRW production will be 362 mil bu (9.9 MMT), a 36% increase over last year and up 8% from the June forecast.
- **Weather:** Much of the growing region experienced precipitation this past week causing minor harvest delays.
- **Wheat Data:** Sampling has been completed with the remaining samples to arrive in the lab this week. Testing has been completed on 230 samples from across the region with little to no change in overall data. Falling number value is slightly lower than 2020 but is recovering with samples from drier areas. Of the 17 sampling areas completed, all but one graded at U.S. No 2 or better.
- **Flour Data:** Samples from Virginia and Illinois continue the trend of slightly lower milling yield and slightly higher flour ash. Farinograph absorption was higher in western Illinois samples this year, but lower in western Virginia samples. Bread volume and cookie W/T for these two areas was slightly higher or equal to 2020.

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	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
Last Week	182	300	13.5	9.4	10.7	0.3	34.6	290	2 SRW	59.5	78.3	0.1	0.6	0.6	1.3
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:** Winter wheat harvest is well underway with Oregon at 18%, Idaho 11% and Washington 15%. USDA estimates SW winter production at 181 mil bu (4.9 MMT), a 23% decrease from last year, and SW spring at 30.8 mil bu (0.8 MMT), a 32% decrease from last year.
- **Crop Conditions:** USDA crop conditions decreased again this week with only 14% of the PNW soft white crop rated good to excellent. Preliminary reports from industry sources indicate below average yields and that protein in earlier planted and drought-stricken areas is trending higher while protein in irrigated fields is trending lower.
- **Weather:** The region continues to experience 100°F+ (38°C+) temperatures. The compounding factors of drought, heat and forest fires are stressing the 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				
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:** The HRS crop continues to head out (80%) at a faster pace than normal. USDA currently estimates HRS production at 305 mil bu (8.3 MMT), a 42% decrease from last year.
- **Crop Conditions:** Crop conditions for the major HRS producing states held steady this week with 16% in good to excellent condition. Producers report some fields look good, depending on planting date and moisture received; however, compounding pressures from drought and heat, is expected to deliver below average yields and above average protein.
- **Diseases/Pest Pressure:** Grasshoppers and sawfly have been noted and are being monitored.
- **Weather:** Widespread rain and cooler temperatures last week helped stabilize the crop, but above average temperatures with little to no precipitation are 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					
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 69% headed out and Montana’s is 48%. USDA currently estimates durum production at 37.2 mil bu (1.0 MMT), a 46% decrease from last year.
- **Crop Conditions:** Crop conditions declined this week with North Dakota 45% good to excellent and Montana 30%. Overall, the durum growing region continues to fare better than HRS because the crop was planted later and has seen more favorable moisture patterns.
- **Weather:** Like HRS, most of the growing region experienced cooler temperatures last week and sporadic rainfall. Above average temperatures and minimal precipitation are forecast.

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](#)

Questions?

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