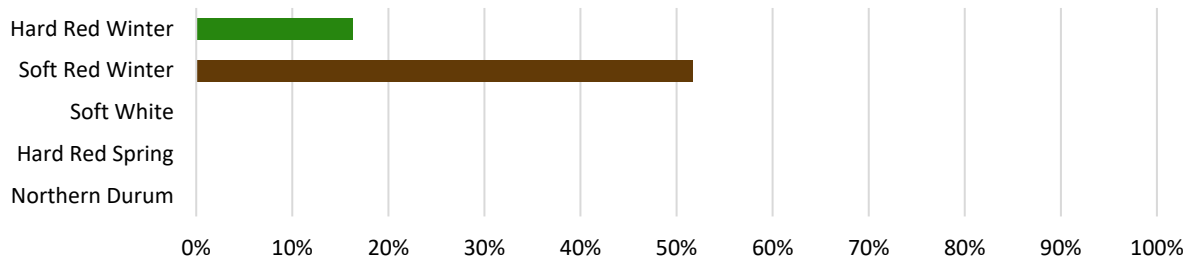




WEEKLY HARVEST REPORT – June 30, 2023

The HRW harvest is expected to accelerate as temperatures trend hot. SRW harvest continues to move forward with data from 87 samples available this week. Much needed precipitation fell across the HRS and northern durum growing region. In the Pacific Northwest, cooler temperatures are needed to stabilize the SW crop.

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



HARD RED WINTER

- **Crop Progress:** Local representatives estimate that the HRW harvest is 74% complete in [Texas](#), 68% in [Oklahoma](#) and 35% in [Kansas](#). The rain-delayed harvest is expected to pick up speed with recent record-breaking temperatures (+100 F/+38 C). Test cutting started in southeast Nebraska, Oregon and is expected to begin in southern Colorado.
- **Crop Conditions:** Producers report variable yields based on environmental factors: dryland fields between 5-50 bu/ac (0.3-3.4 tons/ha) and up to 100 bu/ac (6.7 tons/ha) on irrigated fields. Protein is high, averaging 13% (12% mb) and test weights have been lower in areas that received moisture at harvest, but still trend higher than expected. In the Northern Plains, where the crop is in earlier stages, recent cool weather and rainfall have benefited grain fill and overall crop conditions. In Oregon, the crop is expected to be low yielding due to early season heat and dryness.
- **Disease/Pest Pressure:** Isolated reports of weed, disease and pest pressures have been noted throughout the growing region. Disease pressure remains low in the drier areas.
- **Wheat Data:** There are currently 73 samples from Texas, Oklahoma and Kansas in the lab undergoing analysis. Preliminary data show larger kernel size compared to last year, average protein of 13% (12% mb), 1000 kernel weight of 30.9 grams and falling number of 360 seconds.
- **Weather:** A heat dome is covering areas of Texas, Oklahoma and Kansas, but cooler temperatures are forecast. In Colorado, producers are hoping for warmer weather to dry down wheat ahead of harvest. There is a chance of thunderstorms and rain throughout the entire growing region.

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	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:** Despite weather events, SRW harvest is more than 50% complete. Drier weather enabled farmers to make progress in Maryland while a large storm system moved through the Midwest, delaying harvest.
- **Crop Conditions:** Conditions remain steady, ranging between 60% and 80% good to excellent across the growing region. In Illinois, the crop is exceeding expectations with great quality and high yields reported; southern Illinois farmers report yields of 90 to 110 bu/ac (6.1 to 7.4 tons/ha). Excellent yields are also reported in Maryland (65 to 120 bu/ac (4.4 to 8.1 tons/ha)) though moisture stressed fields during grain fill trended lower. Like Maryland, Ohio representatives expect lower yields from dry late-spring conditions.
- **Disease/Pest Pressure:** No disease or pest pressures reported. Overall, disease prevalence has been low due to a mild winter and cooler, drier spring.
- **Wheat Data:** There are 87 samples undergoing lab analysis. Protein, 1000 kernel weight, falling number and test weight values are similar to last year.
- **Weather:** Most of the growing region experienced above average temperatures this week. Favorable conditions next week should aid harvest progress.

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	87	300	13.0	9.6	10.9	0.7	35.5	321	1 SRW	60.3	79.3	0.2	0.4	0.4	0.9
Last Week	40	300	13.2	9.4	10.7	0.7	35.3	309	1 SRW	60.3	79.3	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 SW winter is now 91% headed and the spring crop 57% representing steady progress. The crop is starting to turn color and harvest is expected to begin in Oregon in the next two weeks and in Washington mid-July.
- **Crop Conditions:** Spring and winter crop conditions have deteriorated due to moisture stress, with some stands thinner and shorter than expected. An average to below average crop is expected. Oregon representatives report that the crop is showing stress from early season heat and dryness.
- **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:** Temperatures are starting to warm with normal temperatures forecast.

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

Legend: Protein = 12% Moisture Basis
TKW = 1000 Kernel Weight

FN = Falling Number
FM = Foreign Material

S&B = Shrunken and Broken
n/a = not available

HARD RED SPRING

- **Crop Progress:** Nearly 39% of the U.S. crop has headed, ahead of the 5-year average and well ahead of last year. By state, South Dakota is 70% headed, Minnesota is 33%, Montana is 28%, and North Dakota is 23%.
- **Crop Conditions:** [State representatives](#) report that recent heavy rains should stabilize the crop and expect to see next week's USDA rating reflect the recent rainfall.
- **Disease/Pest Pressure:** There are isolated reports of foliar diseases, and grasshoppers in drier areas.
- **Weather:** Much of the growing region had heavy rainfall, replenishing soil moisture. Normal to below normal temperatures have also been beneficial to 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 %	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: 17% has headed out, up from 6% a week ago. In Montana, crop development is slower than average, due to cooler weather, with 7% booted, below the 5-year average of 25%.
- **Crop Conditions:** The durum production area in eastern Montana and western North Dakota continue to have favorable conditions. Crop conditions declined slightly with North Dakota dropping to 73% good to excellent. In Montana, crop conditions improved with 37% rated good.
- **Disease/Pest Pressure:** No disease or pest pressures reported.
- **Weather:** The growing region had isolated precipitation this past week. For optimal crop development, producers are hoping for more moisture.

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