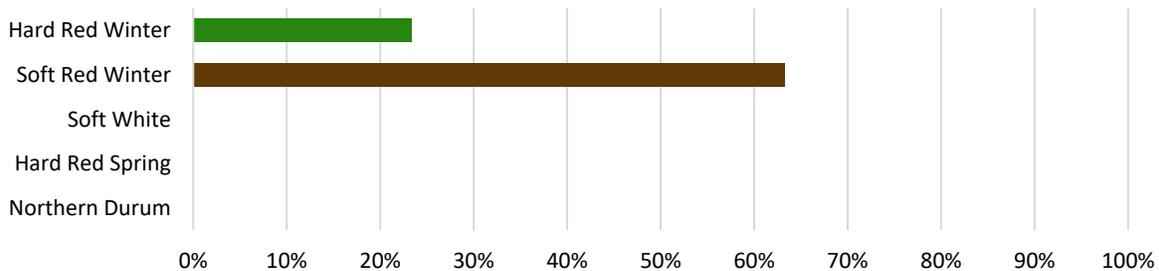




WEEKLY HARVEST REPORT – July 1, 2022

Favorable weather sped up harvest progress in Texas, Oklahoma and Kansas, and data from 196 samples are included in this week’s report. SRW harvest continues to move forward with data from 86 samples available this week. The spring wheat and durum crops have emerged and remain in good condition so far. The PNW SW crop continues to be in very good condition.

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



HARD RED WINTER

- **Crop Progress:** HRW harvest is winding down in Texas, Oklahoma and Kansas. The first fields in Nebraska are being harvested and test cutting has begun in Colorado. The PNW crop remains 2-3 weeks behind normal.
- **Crop Conditions:** USDA’s overall HRW crop conditions have improved slightly to 35% good to excellent with the PNW-tributary crop rated 50% good to excellent. According to industry, yields thus far are below average but with uniform kernels, good test weights and proteins averaging 12.0% (12% mb). Drought is intensifying in Montana’s Golden Triangle HRW growing area.
- **Wheat Data:** There are 196 samples from Texas, Oklahoma and Kansas in various stages of testing. Protein is now averaging 13.2% (12% mb) with some samples testing greater than 15% (12% mb). The average falling number of 284 sec reflects samples from areas impacted by rain at harvest but is expected to recover as harvest progresses.
- **Weather:** Hot, dry weather continued for much of the HRW growing region with isolated precipitation.
- **Disease/Pest Pressure:** Isolated reports of disease and pest pressures have been noted, including wheat streak mosaic, barley yellow dwarf, stripe rust and sawfly. Quality issues are being closely monitored.

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	196	500	10.8	13.2	15.0	0.4	29.7	284	1 HRW	60.7	79.8	0.1	0.4	0.8	1.3
Last Week	126	500	11.1	12.3	14.0	0.4	30.3		1 HRW	60.5	79.6	0.1	0.4	0.8	1.3
2021 Final	522	500	11.2	11.9	13.5	0.5	30.5	372	1 HRW	60.4	79.5	0.3	2.1	0.8	1.7
5-year Avg	483	498	11.1	11.8	13.4	0.5	31.2	374	1 HRW	60.8	79.9	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. States sampled: Colorado, Idaho, Kansas, Montana, Nebraska, Oklahoma, Oregon, South Dakota, Texas, Washington, Wyoming.

Data Source: Plains Grains, Inc.

SOFT RED WINTER

- **Crop Progress:** The SRW harvest showed good progress this week at nearly 65% complete; only Ohio and Indiana have harvested less than 60% of the crop. The progress helped our partners complete sampling in Virginia, Missouri, Kentucky and Illinois. As harvest wrapped up in southern Ohio, industry sources reported excellent quality and yields averaging 80-100 bu/ac (5.4-6.7 tons/ha). In Maryland, yields are averaging 70-100 bu/ac (4.7-6.7 tons/ha).
- **Crop Conditions:** Overall, SRW crop conditions are rated 71% good to excellent.
- **Wheat Data:** An additional 37 samples were analyzed this week, bringing the total to 86. The 1000 kernel weight average is slightly lower than last year, but higher than the 5-year average. Protein and falling number are higher than 2021 and 5-year averages.
- **Weather:** Temperatures remained above average across the growing region, with below average rainfall in most states. Recent rain in western Maryland slowed harvest progress.
- **Disease/Pest Pressure:** Isolated reports of fusarium head blight (head scab) in Kentucky and DON (vomitoxin) in Maryland and have been noted and are being monitored.

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	86	300	12.3	9.7	11.1	0.3	33.2	328	2 SRW	59.3	78.0	0.1	0.5	0.5	1.1
Last Week	49	300	12.3	10.0	11.3	0.3	33.6	334	2 SRW	59.0	77.6	0.2	0.7	0.6	1.4
2021 Final	263	300	13.6	9.3	10.5	0.3	34.4	297	2 SRW	59.7	78.6	0.1	0.3	0.5	0.9
5-year Avg	250	294	13.3	9.5	10.8	0.4	32.8	309	2 SRW	58.9	77.5	0.1	0.5	0.6	1.2

Note: Weekly harvest report averages are simple averages of all samples tested and have not been weighted by the estimated production for each of the 18 reporting areas. States sampled: Alabama, Arkansas, Illinois, Indiana, Kentucky, Missouri, Ohio, Tennessee, Maryland, North Carolina, Virginia.

Data Source: Great Plains Analytical Laboratory

SOFT WHITE

- **Crop Progress:** The SW winter crop is now 87% headed and the spring crop 48%, representing steady progress but state representatives note the crop remains 2-3 weeks behind normal.
- **Crop Conditions:** Winter crop ratings increased in Washington to 73% good to excellent. Oregon and Idaho are down slightly at 77% and 71%, respectively. Spring crop ratings are 69% good to excellent in Idaho, 62% in Oregon and 93% in Washington.
- **Weather:** The PNW experienced above average temperatures last week.
- **Disease/Pest Pressure:** Isolated reports of rust in Idaho have been noted and are being closely monitored.

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	375	390	8.8	11.3	12.3	0.5	29	344	2 SW	59.3	77.9	0	0.1	1	1.1
5-year Avg	438	392	9.1	10.0	11.3	0.5	34.6	327	1 SW	61.1	80.3	0.0	0.1	0.6	0.7

Note: SW averages in the weekly harvest report are weighted for production. Results shown represent tested samples collected to date. States sampled: Idaho, Oregon, Washington.

Data Source: Wheat Marketing Center

HARD RED SPRING

- **Crop Progress:** The HRS crop is now 100% emerged and 13% headed, well behind the five-year averages due to a delayed spring. The South Dakota HRS harvest is expected to start in late July.
- **Crop Conditions:** NASS ratings are holding steady with 57% of the HRS crop rated in good to excellent condition.
- **Weather:** Weather in the region trended warmer this past week.

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					
2021 Final	481	451	11.6	15.4	17.5	0.6	29.3	377	1 DNS	61.3	80.6	0	0.2	1.1	1.3	80
5-year Avg	474	457	12.0	14.6	16.6	0.6	30.8	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. States sampled: Minnesota, Montana, North Dakota, South Dakota.

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

NORTHERN DURUM

- **Crop Progress:** Nearly all the northern durum crop has now emerged. In North Dakota, the crop is 43% jointed and 2% headed, well behind average. In Montana, the crop is 30% booting and 5% headed, in line with the average.
- **Crop Conditions:** According to USDA, the North Dakota durum crop is 86% good to excellent and Montana is 74% good, a drastic increase from this time last year.
- **Weather:** Like HRS, the northern durum growing region experienced above-average temperatures this past week.

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					
2021 Final	121	120	10.9	15.5	17.6	0.5	41.2	428	1 HAD	60.5	78.8	0.1	0.1	0.6	1.2	86
5-year Avg	113	118	11.3	14.4	16.3	0.9	42.3	399	1 HAD	61.2	79.7	0.0	0.7	0.7	1.6	83

Note: Northern durum averages in the weekly harvest report are not weighted for production. States sampled: Montana, North Dakota.

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

GENERAL CROP CONDITION DEFINITIONS

- **Very Poor** – Extreme degree of loss to yield potential, complete or near crop failure.
- **Poor** – Heavy degree of loss of yield potential which can be caused by excess soil moisture, drought, disease, etc.
- **Fair** – Less than normal crop condition. Yield loss is a possibility, but the extent is unknown.
- **Good** – Yield prospects are normal or above normal. Moisture levels are adequate with only light disease and insect damage.
- **Excellent** – Yield prospects are above normal, and crops are experiencing little or no stress.

TOP AND SUB-SOIL MOISTURE DEFINITIONS (WITH TOP-SOIL DEFINED AS THE TOP 6 INCHES):

- **Very Short** – Soil moisture supplies are significantly less than what is required for normal plant development. Growth has been stopped or nearly so and plants are showing visible signs of moisture stress. Under these conditions, plants will quickly suffer irreparable damage.
- **Short** – Soil dry. Seed germination and/or normal crop growth and development would be curtailed.
- **Adequate** – Soil moist. Seed germination and/or crop growth and development would be normal or unhindered.
- **Surplus** – Soil wet. Fields may be muddy and will generally be unable to absorb additional moisture. Young developing crops may be yellowing from excess moisture.

Source: https://www.nass.usda.gov/Publications/National_Crop_Progress/Terms_and_Definitions/index.php#percents