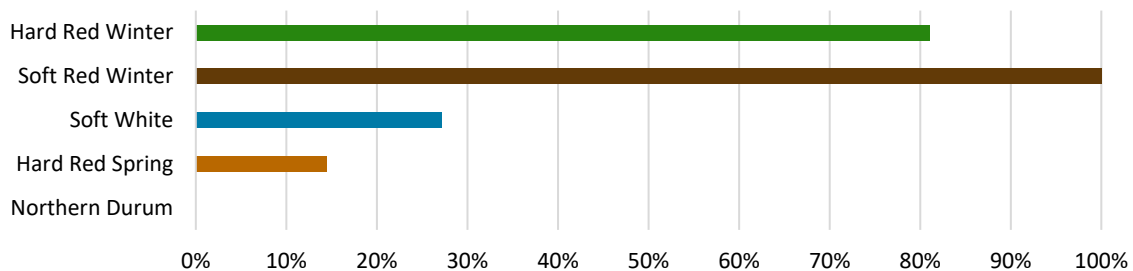




WEEKLY HARVEST REPORT – August 7, 2020

The HRW harvest continues to advance with steady to improving quality. The SRW harvest is complete and sampling collection is winding down with a much-improved crop over 2019. Hot, dry weather is pushing the SW crop forward; initial data indicate very good grade and non-grade factors. HRS and northern durum conditions have improved with warm, dry weather pushing crop development.

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



HARD RED WINTER

- **Crop Progress:** The 2020 HRW harvest is progressing with South Dakota 80% complete, Montana 45% complete, Idaho 33%, Oregon 61% and Washington 38%. The momentum should continue with favorable conditions expected.
- **Crop Conditions:** Early reports from Montana indicate an impressive crop with high test weight, protein and yields. Washington, Oregon and Idaho also report sound crops with above average yields.
- **Weather:** Most areas that have not been harvested expect hot and generally dry conditions in the next week.
- **Wheat Data:** Of 354 samples collected, 335 are in testing and include south-central Montana samples. Good overall test weight and 1000 kernel weight did not change in this No. 1 grade HRW crop this week; protein increased again to 12.0% (12% mb). Single kernel data indicates kernel characteristics meet or exceed industry targets except for kernel diameter which is only slightly below (0.05 mm) at 2.55 mm.
- **Flour Data:** Subsample mixograph data still indicate this crop has sound, functional quality protein with consistency across the sampling locations.

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	335	500	10.4	12.0	13.6	0.5	30.0	367	1 HRW	61.3	80.6	0.2	0.2	1.3	1.7
Last Week	313	500	11.1	11.9	13.5	0.5	30.0	367	1 HRW	61.3	80.6	0.2	0.2	1.3	1.7
2019 Final	494	500	11.5	11.3	12.8	0.5	33.1	377	1 HRW	60.8	80.0	0.1	0.3	0.8	1.2
5-Year Avg	489	500	11.3	11.7	13.3	0.6	31.7	381	1 HRW	60.3	79.4	0.2	0.3	1.0	1.4

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:** The SRW harvest is complete with samples still in route to the lab.
- **Wheat Data:** There is no change in data from last week; falling number values and 1000 kernel weights continued tracking above 2019 results and 5-year averages. The test weight also remains higher than 2019 and the 5-year average, keeping overall grade at U.S. No. 2.
- **Flour Data:** Flour data indicate a similar milling yield to last year with slightly lower ash content. Flour protein and farinograph absorption are also consistent with 2019 results. Bread volume is trending lower, but internal scores are somewhat better. Cookie W/T is unchanged compared to last year’s average.

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	186	300	13.3	9.4	10.7	0.3	33.5	318	2 SRW	59.3	78.0	0.1	0.4	0.4	1.0
Last Week	180	300	13.3	9.4	10.7	0.3	33.5	318	2 SRW	59.1	77.8	0.1	0.4	0.4	0.9
2019 Final	261	300	12.9	9.3	10.6	0.4	31.6	285	3 SRW	57.9	76.2	0.2	0.8	0.8	1.7
5-Year Avg	360	371	12.6	9.6	11.0	0.5	32.0	304	3 SRW	57.9	76.3	0.1	1.4	0.6	2.0

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 Conditions:** NASS ratings held steady again for both the winter and spring crops.
- **Crop Progress:** Winter crop harvest is picking up speed with 33% harvested in Washington, 21% in Idaho and 61% in Oregon. Spring crop harvest is underway with 9% harvested in Washington, 7% in Idaho and 15% in Oregon. Industry reports initial overall yield is average to above average.
- **Weather:** The hot, dry weather continues for the SW growing region, benefiting harvest progress and spring crop development.
- **Wheat Data:** The first 88 samples (from north central Oregon and east central Washington) arrived at the lab this week. Initial weighted average data from a small sample size indicate good test weight at 62.5 lb/bu (82.2 kg/hl), low moisture content at 9.4%, low protein at 10.3% (12% mb), and sound falling number value at 325 seconds.

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	43	390	9.4	10.3	11.7	0.4	36.3	325	1 SW	62.5	82.2	0.0	0.0	0.3	0.4
2019 Final	439	390	9.9	10.0	11.3	0.5	36.4	307	1 SW	61.6	81.0	0.0	0.0	0.5	0.5
5-Year Avg	455	404	9.2	10.0	11.3	0.5	34.9	325	1 SW	60.9	80.0	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 Source: Wheat Marketing Center

HARD RED SPRING

- **Crop Conditions:** Good to excellent ratings increased this week for North Dakota (68%), South Dakota (66%), and Minnesota (76%), while Montana held steady at 81%. Nationally, the HRS crop condition is rated 73% good to excellent.
- **Crop Progress:** Harvest picked up speed in South Dakota, now 33% harvested; Minnesota is 7% harvested and North Dakota is 2%. Overall crop development is behind the 5-year average with the bulk of harvest expected to begin in 10-14 days. Industry reports no major yield or quality issues yet.
- **Weather:** Conditions are favorable across the HRS growing region with forecasted warm, mostly dry weather favoring harvest progress.
- **Disease/Pest Pressure:** North Dakota sources report farmers anticipate good quality in most areas but expect some effect from Fusarium head blight (scab) and bacterial leaf streak as harvest progresses into northern (wetter) areas; farmers are also addressing a late flush of weeds and secondary heads. In Montana, farmers are concerned about increased grasshopper pressure, particularly on fields still 10-14 days from harvest.

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																
2019 Final	473	445	12.7	14.5	16.5	0.8	33.7	379	1 NS	60.4	79.5	0.0	0.4	0.6	1.0	63.0
5-Year Avg	464	458	12.1	14.4	16.4	0.7	32.0	403	1 DNS	61.2	80.5	0.0	0.2	0.8	0.9	77.0

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 Conditions:** Ratings for the northern durum crop have increased this week with North Dakota now at 71% good to excellent and Montana at 64%.
- **Crop Progress:** More than half of the crop has turned color. The earliest planted crop could be harvested as early as next week, with the bulk of the harvest still 10-14 days away.
- **Weather:** Warm, dry weather is expected to accelerate crop maturity.
- **Disease/Pest Pressures:** Producers have taken steps to protect the northern durum crop against foliar diseases and scab.

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					
This Week																
2019 Final	91	118	12.0	13.6	15.5	1.5	44.3	341	1 AD	60.6	78.9	0.1	0.8	0.6	1.5	62.0
5-Year Avg	114	116	11.4	14.0	15.9	1.1	40.2	395	1 HAD	60.7	79.1	0.0	0.3	0.9	1.3	81.9

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

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

FN = Falling Number
FM = Foreign Material

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

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?

Please contact USW Director of Programs
Erica Oakley at eoakley@uwheat.org

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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