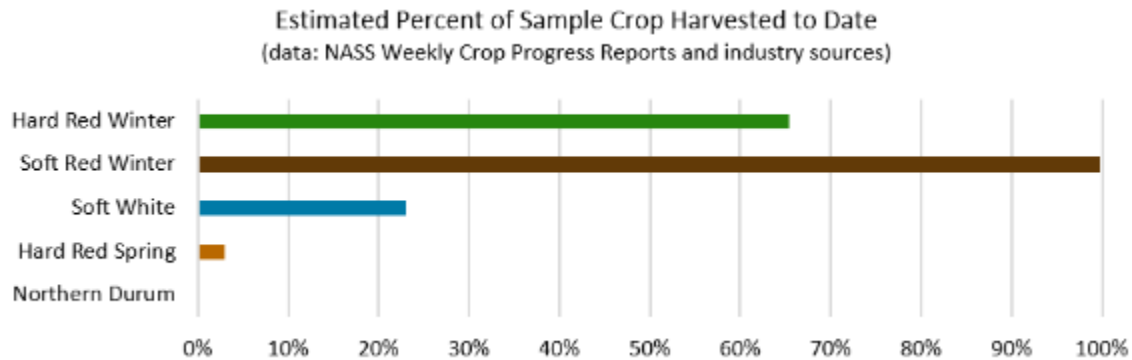




WEEKLY HARVEST REPORT – July 31, 2020

The HRW harvest is gaining momentum in the north and northwest with steady to improving quality; protein increased to 11.9% (12% mb). The SRW harvest is all but done and the crop remains much improved over 2019. HRS conditions improved this week with harvest underway in South Dakota and southern Minnesota, and warm, dry weather ahead to push HRS and durum development. SW winter harvest progressed well with good conditions in the 10-day forecast.



HARD RED WINTER

- **Crop Progress:** Good weather is helping speed the 2020 HRW harvest. South Dakota is close to 80% complete. Harvest in Montana is 17% complete, Idaho 18% and Washington is 25% complete, with favorable conditions ahead that will help build momentum.
- **Crop Conditions:** Conditions in the northern and northwest states helped produce a very good HRW crop and now the warm, dry weather ahead should support good harvest conditions. South Dakota farmers are calling this their “best crop ever,” but wish they could have seeded more fields.
- **Weather:** Most areas that have not been harvested expect hot and generally dry conditions in the next week.
- **Wheat Data:** Recent test data has the industry feeling “pretty happy” with overall crop quality. Of 350 samples collected, 313 are in testing and include most South Dakota 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 11.9% (12% mb).
- **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	313	500	11.1	11.9	13.7	0.5	30.0	367	1 HRW	61.3	80.6	0.2	0.2	1.3	1.7
Last Week	264	500	10.9	11.8	13.4	0.5	30.0	369	1 HRW	61.3	80.6	0.2	0.2	1.2	1.6
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.

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

FN = Falling Number
FM = Foreign Material

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

SOFT RED WINTER

- **Crop Progress:** 2020 SRW harvest is now limited to only a few more fields in northern states.
- **Weather:** Industry in Ohio reported good growing conditions helped improve yield, test weight and soundness significantly compared to 2019, with similar reports from across the production area.
- **Wheat Data:** Eighteen additional samples this week continued to reflect a much improved SRW crop over 2019 results. Test weight of 59.1 lb/bu (77.8 kg/hl) is just over 1 lb/bu (1.6 kg/hl) more than in 2019 and the 5-year average; the 1000 kernel weight is also heavier than 2019 and the 5-year average. Protein held steady at 9.4% (12% MB). The crop is very sound and still meets requirements for U.S. grade No. 2.

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	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
Last Week	162	300	13.4	9.4	10.6	0.3	33.6	316	2 SRW	59.3	78.1	0.2	0.5	0.5	1.1
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 with no significant fall-off in conditions. Warm weather is pushing the SW crop toward maturity and harvest.
- **Crop Progress:** Winter crop harvest is underway in all three PNW states with at least 19% harvested in Washington, 10% in Idaho and 28% in Oregon. The entire PNW spring SW crop is now fully headed.
- **Weather:** The forecast for the entire PNW for the next ten days is hot and dry, with good harvest and spring crop development progress expected.

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															
2019 Final	439	390	9.9	10.0	11.5	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

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 Conditions:** Minnesota conditions are up a bit to 75% good to excellent; North Dakota HRS improved to 72% good to excellent from 62% last week; Montana is up to 80%; South Dakota held steady at 63%.
- **Crop Progress:** Harvest is underway, now at 8% in South Dakota and just starting in southern areas of Minnesota. Overall crop development is behind the 5-year average this year.
- **Weather:** It appears conditions in the northern spring wheat production area have shifted to a warm, dry period. There is only a low chance of rain for the next 10 days, that will push the crop rapidly toward maturity and help protein development.
- **Disease/Pest Pressure:** Recent disease updates from extension experts in a virtual HRS pre-harvest report suggest that farmers have done all they can to protect the crop from 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 %	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 did not change much this week with North Dakota now at 65% good to excellent and Montana at 40%.
- **Crop Progress:** The majority (97%) of the crop has headed and about 40% has started coloring. The earliest planted crop is reaching maturity, but harvest for most producers is at least 2 to 3 weeks away.
- **Weather:** The warm, dry weather durum producers hoped for has arrived and will push the crop rapidly toward 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