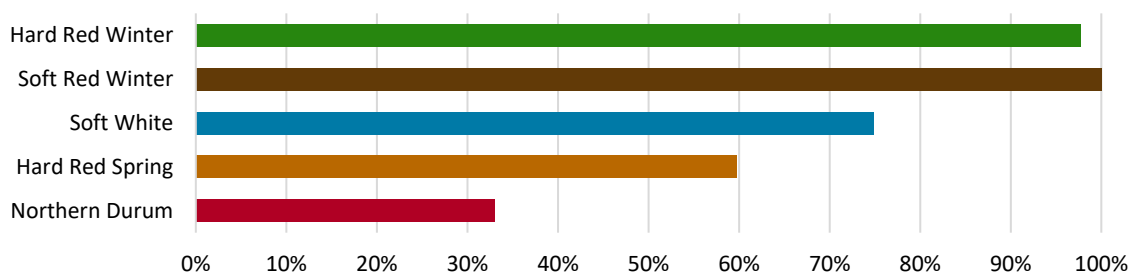




WEEKLY HARVEST REPORT – August 28, 2020

The HRW harvest is nearly complete with data holding steady. The final 2020 SRW harvest report this week includes weighted flour, dough properties and baking evaluation data. SW harvest continues apace under hot, dry conditions; this is a typically good SW crop with low protein, low moisture and good test weight. HRS harvest is nearly 60% complete and initial sample data show test weight average of 61.5 lb/bu (80.9 kg/hl) and average protein 15.0% (12% mb). Northern durum harvest is about 1/3rd complete with the crop looking good overall.

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 winding down and may end early next week. Less mature irrigated fields and cool nights are expected to slow the remaining harvest.
- **Crop Conditions:** Montana continues to report good quality and yields and limited insect damage in central Montana. Pacific Northwest (PNW) HRW conditions remain very good, with average to above average yields, good test weights and no falling number issues.
- **Weather:** Except for cool nights in Montana, favorable harvest weather is expected over the coming week.
- **Wheat Data:** Unweighted wheat and grade data changed very little this week and still indicate higher protein and improved test weights compared to last year.
- **Flour Data:** This week's baking analysis indicated loaf volume on low protein samples is below the industry quality target of 850 cc, however, flour protein of at least 10% resulted in loaf volumes over 900 cc. The lab found that even with smaller loaf volumes, bake absorptions have not dropped below 60%, with all samples between 60% and 67% absorption. An indicator of quality protein, low protein flour composites are also demonstrating "really good" bake absorption.

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	378	500	10.4	12.1	13.7	0.5	30.8	367	1 HRW	61.5	80.9	0.2	0.2	1.3	1.7
Last Week	367	500	10.9	12.0	13.6	0.5	30.6	368	1 HRW	61.5	80.9	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

- Wheat Data:** The lab has received and graded all 2020 SRW samples with the final average grade a U.S. No. 2, higher than last year and the five-year average. As noted last week, the sample size is lower this year due to Covid-19 restrictions impeding sample collection. Final protein is 9.4% (12% mb); 1000 kernel weight and falling number averages remained greater than both last year and the 5-year average.
- Flour Data:** Overall for the entire sampling region, flour ash is down slightly from last year and farinograph absorption is equal. Bake volume is significantly less than last year but the internal scores are 1 point higher. Cookie W/T is unchanged from last year and the alveograph data is very similar. DON levels have been consistently lower when compared to 2019. The flour samples milled from the East Coast states has also decreased slightly in ash content compared to last year. Farinograph absorption is 1% higher than last year. Bread volume is lower than 2019 but the internal scores are greater this year. W/T is similar to last to year but the alveograph W value has increased slightly. DON has also decreased in this region this year. The flour data for the Midwest/Gulf samples mirrors the trends for the overall data when compared to 2019.

This is the final SRW report for the 2020 harvest.

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	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
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. Results shown represent all samples collected through this and last week respectively.

Data Source: Great Plains Analytical Laboratory

SOFT WHITE

- Crop Conditions:** Generally, good conditions continue for both winter and spring crops in all three states.
- Crop Progress:** There was good progress with favorable harvest conditions across the growing region. The winter wheat crop is 96% harvested in Oregon, 82% in Washington and 83% in Idaho; spring wheat crop is 48% harvested in Washington, 52% in Idaho and 68% in Oregon. All producers are reporting good quality and good to excellent yields.
- Weather:** Hot and dry weather continues across the region helping soft white winter and soft white spring harvest progress quickly.
- Wheat Data:** This week, 49 samples arrived at the lab for testing. Weighted average data indicate good test weight at 62.0 lb/bu (81.6 kg/hl), low moisture content at 9.1%, low protein at 9.7% (12% mb), and sound falling number value at 323 seconds, mostly unchanged from last week.

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	297	390	9.1	9.7	11.2	0.4	36.2	323	1 SW	62.0	81.6	0.0	0.0	0.4	0.5
Last Week	248	390	9.1	9.7	11.2	0.4	36.2	324	1 SW	62.1	81.6	0.0	0.0	0.4	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

Legend: Protein = 12% Moisture Basis FN = Falling Number S&B = Shrunken and Broken
 TKW = 1000 Kernel Weight FM = Foreign Material n/a = not available

HARD RED SPRING

- **Crop Conditions:** HRS conditions remain stable with 71% of the crop rated in good to excellent condition.
- **Crop Progress:** Approximately 60% of the crop is now harvested with South Dakota more than 91% complete, Minnesota 54%, Montana 55% and North Dakota 39%. Overall crop development is behind the 5-year average. Industry reports that two factors are impacting yields: time of planting (later seeded fields are faring better) and if the crop received timely rains. Overall, however, producers are reporting average to above average yields across the HRS growing region. No major harvest or quality issues have been reported thus far.
- **Weather:** With mostly dry weather over the last ten days producers made steady harvest progress. Cool nights are expected to slow harvest progress in Montana and parts of northern North Dakota next week.
- **Disease/Pest Pressure:** In Montana, concern about increased grasshopper pressure, particularly on fields that have not fully matured, continued this week. And in North Dakota, some producers are reporting late season weed flushes and damp straw, though these have caused minimal disruption.
- **Wheat Data:** This week’s data come from about 25% of expected samples. Test weight average is 61.5 lb/bu (80.9 kg/hl), higher than last year’s final average of 60.7 lb/bu (79.8 kg/hl). With limited number of samples tested, the average protein content is 15.0%, up from last year’s final average of 14.4%. Falling number average is sound at 380 seconds. Average vitreous kernel content is 63%, making the current average grade as U.S. No. 1 Northern Spring (1 NS).

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	109	446	12.3	15.0	17.0	0.6	31.1	380	1 NS	61.5	80.9	0.1	0.5	0.7	1.3	63
2019 Final	445	445	12.7	14.4	16.4	0.6	31.0	339	1 NS	60.7	79.8	0.0	1.0	0.8	1.8	52
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

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 held steady for North Dakota at 64% good to excellent but decreased for Montana from 60% to 49%.
- **Crop Progress:** Northern durum harvest is now 33% complete in both North Dakota and Montana, ahead of last year’s pace. Like HRS, generally later planted fields and fields that received timely moisture are higher yielding. Overall, the crop looks good with few quality issues observed so far.
- **Weather:** Little chance of rain and continued heat across the region is expected to accelerate crop maturity and harvest. Green fields are lingering in Montana due to cool nights, which is also delaying harvest progress on mature fields.

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

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](#)

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