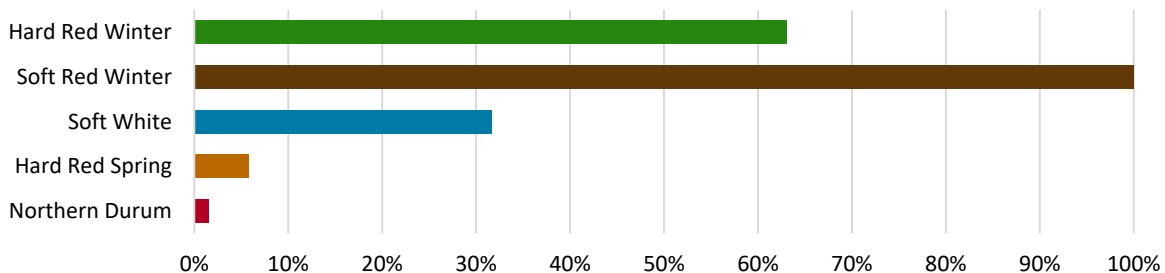




WEEKLY HARVEST REPORT – August 4, 2023

The HRW harvest is gaining momentum in the north and northwest; protein decreased to 11.6% (12% mb). SRW composite testing continues with final flour, dough and bake results to come; the final grade average for the 2023 crop is U.S. No. 1 SRW. The SW harvest continues apace under hot, dry conditions. HRS harvest is underway with sample data expected in the coming weeks. The Northern Durum harvest started this week in Montana.

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



HARD RED WINTER

- **Crop Progress:** The 2024 HRW harvest is complete from Texas to Kansas where farmers are now preparing for fall seeding. Industry sources expect the Colorado and Nebraska harvest to be wrapped up next week, while harvest progress from Wyoming to the PNW ranges from 21% to 74% complete.
- **Crop Conditions:** State representatives in Kansas and Colorado report variable quality depending on rains received at harvest. Good test weights are reported in Wyoming where farmers are “very happy” with this year’s crop. In Montana, harvest is in full swing with good yields and variable proteins reported.
- **Wheat Data:** With an additional 55 samples this week, test weight is averaging 60.2 lb/bu (79.2 kg/hl) and falling number is holding steady at 367 seconds. The lab has seen variable hardness scores in these early samples – likely due to the cooler, wetter spring – with the current non-weighted average for this year’s crop 56 compared to last year’s 65.
- **Flour Data:** There are 26 milled composites, with an average flour yield of 76 and NIR flour ash average of 0.50 (14% mb). The first 14 composites from Texas and Oklahoma show an average farinograph development time of 5 minutes, stability time of 9.4 minutes and absorption of 58%. Bake absorption on those same 14 composites averages 64.3% (14% mb). Early loaf volumes are exceeding expectations with an average of 955 cc, well above the quality target of 850 cc.
- **Weather:** Cooler temperatures are forecast next week for Colorado and Wyoming, while hot, dry weather is expected to continue pushing the Montana crop to maturity.

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	319	520	11.6	12.9	14.7	0.8	29.9	367	2 HRW	59.8	78.7	0.2	0.4	0.8	1.6
Last Week	264	520	11.9	13.1	14.9	0.8	30.2	366	2 HRW	59.9	78.8	0.2	0.4	0.7	1.4
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

- **Wheat Data:** The lab has received and graded all 2023 SRW samples with the final average grade a U.S. No. 1. Final protein is 9.2% (12% mb) compared to the 5-year average of 9.7%. The falling number is improved over the 5-year average, and vomitoxin is lower than last year, and quite lower than the five-year average.
- **Flour Data:** Composite flour data results so far suggest milling yield and flour ash are similar to last year’s crop. Compared to the 5-year average, flour protein, wet gluten and flour ash are slightly lower this year. The cookie spread factor (diameter/height) average is 9.9 compared to the 5-year average of 8.9.
- **Weather:** High summer temperatures are expected, but most of the SRW production region continues to have adequate soil moisture for fall seeding, which is likely to start by September.

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				
2023 Final	232	250	13.5	9.2	10.5	0.4	35.8	318	1 SRW	60.2	79.2	0.1	0.3	0.6	1.0
2022 Final	229	250	12.4	9.7	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	250	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 harvest continues at a fast pace with approximately 44% of the winter crop harvested and 20% of the spring crop harvested.
- **Crop Conditions:** As reported last week, the SW crop is variable depending on soil moisture at planting and heat and dryness as the crop developed. On earlier planted fields and areas that were drier, producers are reporting average to below average yields and higher protein, while protein on irrigated and later planted fields is trending lower.
- **Wheat Data:** Very early data from a limited production region reflects this year’s dry conditions. Wheat protein is currently higher than average but is expected to lower as harvest progresses into Washington and Idaho. Solvent retention capacity (SRC) lactic acid values and overall profiles are typical for SW despite the higher protein. The current test weight is 59.5 lb/bu (78.2 kg/hl) to make the average grade at this time a U.S. No. 2 SW.
- **Weather:** The hot, dry weather continues for the SW growing region, benefiting harvest progress.

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	49	390	9.0	11.9	13.8	0.4	28.9	338	2 SW	59.5	78.2	0.0	0.0	0.9	1.0
Last Week	20	390	9.3	11.9	13.8	0.4	30.4	333	2 SW	59.4	78.1	0.1	0.1	0.9	0.9
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

HARD RED SPRING

- **Crop Progress:** The HRS harvest is progressing in South Dakota with 21% harvested per USDA. The Montana and Minnesota crops are 1% harvested and North Dakota expects harvest to begin next week.
- **Crop Conditions:** State representatives in Minnesota, [North Dakota](#), and Montana report that yields are expected to be below average to average depending on planting date, with earlier planted fields lower yielding due to prolonged heat and dryness.
- **Weather:** Temperatures remain hot and dry in much of the growing area, accelerating development and stressing crops.

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 2023 durum harvest is underway in Montana (3% per USDA). Harvest is about two weeks away in North Dakota.
- **Crop Conditions:** This week’s crop condition ratings are reflective of prolonged heat and dryness; USDA estimates 55% of the North Dakota crop and 27% of Montana’s is in good to excellent condition.
- **Weather:** Much of the growing region received much needed precipitation last week. Warm, dry conditions are expected over the next 10 days.

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