

PGI HRW Harvest Report July 23, 2021

By Mark Hodges, Executive Director, Plains Grains, Inc.

<u>State</u>	<u>Percent Complete:</u>
Texas	100%
Oklahoma	100%
Kansas	100%
Colorado	67%
Nebraska	75%
South Dakota	39%
Montana	17%
Washington	35%
Oregon	46%
Idaho	19%
Wyoming	20%

7/22/2021: The 2021 US HRW harvest made significant progress this week with the 3 southern most states of Texas, Oklahoma, and Kansas now complete. Colorado and Nebraska accelerated harvest this week as well with both states over 65% complete. South Dakota also made progress this week, but has reported much of the crop being baled for hay due the extreme drought. The Montana crop is reported as being “highly variable” due to drought conditions. This is evidenced by protein levels being reported over 13%, but are accompanied by lower test weights due to shriveled grain. The Pacific Northwest continues to battle their own drought conditions and the resulting crop. Oregon and Washington are experiencing depressed yield and abandonment of the crop in some cases in favor of saving any moisture received for fall planting.

Western production areas were not only affected by drought that ranged the full span of the production year, but also much of the area saw record breaking low temperatures during the winter followed by late spring freezes. Additionally, the wheat stem sawfly has affected many fields in northeast Colorado, western Nebraska, Wyoming, and parts of Montana.

There are now 345 samples in various stages of testing. The summary below reflects the conditions outlined as samples are being received from western and northern areas. There was no change in protein this week (11.4%) which was boosted last week from western areas, other kernel factors were negatively affected including test weight (60.9 lb/bu) and TKW (30.8g down from (down from last week’s 31.7g). Average Falling Number this week is 275 seconds (down 5 points from last week’s 280).

July 23, 2021

Tst	Exp	MST	Pro %	DKG	TKW	FN	Grade	Test Weight	FM	DMG	S&B	DEF	
345	500	11.3	11.4	0.5	30.8	275	1HRW	60.9	80.2	0.2	0.5	0.8	1.5

July 16, 2021 (*FN on 112 samples)

Tst	Exp	MST	Pro %	DKG	TKW	FN	Grade	Test Weight	FM	DMG	S&B	DEF	
266	500	11.3	11.4	0.5	31.7	280	1HRW	61.4	80.8	0.3	0.4	0.8	1.5

2020 Final

Tst	Exp	MST	Pro %	DKG	TKW	FN	Grade	Test Weight	FM	DMG	S&B	DEF	
431	500	10.9	11.9	0.5	31.6	367	1HRW	61.7	81.1	0.2	0.2	1.1	1.5

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July 22, 2021

- **Texas** – Harvest mostly complete. Irrigated good, few low TW. Great soil moisture for next crop (moisture/cooler temps).
- **Kansas** – Harvest mostly complete. Hot/dry weather forecast.
- **Colorado** – NASS 61% harvested Sunday. High temps, no rain. NE state moving quickly (90% complete) – seeing better wheat 59-60 lb/bu, avg. pro 11%. Sawfly damage concerns, swathing. SE state rain delays. Est. close to avg. crop 68 mln bu.
- **Wyoming** – NASS 4% complete, close to 20% today. Sawfly pressure lower in some areas, South I-80 sawfly more severe. 15-56 bu yields, TW holding up. Warmer weather forecast.
- **Nebraska** – E/SE state harvested, panhandle in progress. 75% harvested, hot dry weather forecast. Some sawfly damage in panhandle, 11.5 – 11.8% pro, good TW, 30-60 bu reports. Lots of variability. N panhandle, lower yields (30-40 bu)/TW (55-57), strong pro (12%).
- **South Dakota** – Extremely variable winter wheat. NASS 33% harvested, harvest fast. Limited acreage, forage - % to hay. 30-50 bu yields, disease free. Favorable TW, good protein. Spring – late frosts, high heat, low moisture, abandonment. N. Central/western SD low TW issues. North better quality.
- **Montana** – Variability. Minimal disease/weed pressure, low TW, (shriveled/stressed kernels) May freeze, winter small kernels, high pro (14/15). 13.5% pro + avg., more dockage, fallow looking better than re-crop areas. Pockets of good crop.
- **Idaho** – 15% harvested winter, 22% G-E (spring/winter), 49% poor-very poor winter, SW – 55-59 TW, high pro 14-16%, minimal disease. No irrigated harvest. No moisture.
- **Oregon** – Harvest progressing rapidly. Main impact due to drought depressing yields. First quality data next week.
- **Washington** – Hot/dry pushing harvest. NASS 30% harvested winter vs. 10% 2020. Spring 2% harvested. Winter Fair 40% and Poor 36%. Spring 45% very poor and 43% poor. Subsoil deteriorating - 89% very short to short. The prolonged hot dry effecting yields/abandonment. Reported protein levels for soft white wheat are up. Increase pro for SW – 11%+, lower TW.
- **WQC/Brian Walker** – looking at wheat blend/ replacing spring with winter. Protein up north. Variable in terms of TW, kernel size. Vital wheat gluten issues. New crop CA/TX milling, 11 -11.5% protein range. Seeing variability on the quality side.
- **PGI/NASS** – KS/TX/OK grain sheds avg. pro good. Good 1000 kernel weights (central corridor). 345 samples received, moving into NE/CO. Avg. TW 61.5, pro 11.4% (on 257 samples), kernel sizing better than 2020 – 70% L, mixed kernel characteristics (hardness) from W. KS/TX Panhandle, 3.8 mg, kernel diameter 2.62 mm, avg. hardness 59. Falling number, 100 points below 2020: 365, 2021: 260. Sedimentation values – variability across the growing regions in terms of protein content and dough strength. Absorption above avg. impact from sprout damage on protein strength.

Percent HRW Harvested by State

July 22, 2021

