

PGI HRW Harvest Report September 3, 2021

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<u>State</u>	<u>Percent Complete:</u>
Texas	100%
Oklahoma	100%
Kansas	100%
Colorado	100%
Nebraska	100%
South Dakota	100%
Montana	100%
Washington	100%
Oregon	100%
Idaho	100%
Wyoming	100%

9/2/2021: The 2021 HRW harvest is now complete with planting of the 2022 crop underway in several states. This will be the final harvest report for 2021 with a summary of all data following within the next 3 to 4 weeks reviewing lab test results and early crop development as it exists at that time.

Early testing data: There are currently 522 of an expected 525 samples in the lab and with grade data on 488 of those. Moisture (10.9%), protein (11.9%) and dockage (0.5%) remained unchanged this week. TKW decreased this week from 30.2 grams to 30.0 grams, test weight decreased from 60.4 lbs/bu (79.5 kg/hl) to 60.3 lbs/bu (79.3 kg/hl). Both are a reflection of the weather extremes (heat and drought) imposed on this crop during the growing season. Falling number increased slightly from last week's (364 sec.) to (368 sec.) this week. Foreign material increased slightly this week (from 0.2% to 0.3%). Other kernel factors remained unchanged from last week.

There are now 70 composites formed with 59 samples now milled. Dough and bake tests continue on samples from Texas through Nebraska. Overall average bake absorption is 62.5% down slightly from last week's 62.7% (maximum 67.0%, minimum 59.6%. std dev. 1.8%). Overall average farinograph stability is 9 minutes with a std dev of 1.81 min. Farinograph average absorption (14% mb) is 58.4% with a std dev of 2.3%. Alveograph data continues to indicate the need for monitoring during mixing as over mixing will be possible. As was stated last week, while predictive test indicates shorter stability times and weaker dough strength this crop can still make a very good final product, the average loaf volume of 882cc (average across all protein ranges) when handled properly. This is above the industry standard (Wheat Quality Council, Quality Targets) for acceptable loaf volume is >850cc.

September 2, 2021 (*Grade Based on 488 samples) (*FN/TKW based on 522 samples)

Tst	Exp	MST	Pro %	DKG	TKW*	FN*	Grade*	Test Weight	FM	DMG	S&B	DEF	
522	525	10.9	11.9	0.5	30.0	368	1HRW	60.3	79.4	0.3	0.4	1.0	1.7

August 27, 2021 (*FN and Grade Based on 484 samples)

Tst	Exp	MST	Pro %	DKG	TKW	FN*	Grade	Test Weight	FM	DMG	S&B	DEF	
505	525	10.9	11.9	0.5	30.2	364	1HRW	60.4	79.5	0.2	0.4	1.0	1.6

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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Industry Notes:

September 2, 2021

- **Kansas** – Central KS received beneficial rains with widespread rain forecasted this weekend. Good for planting and with current prices, anticipating higher winter wheat acreage.
- **Colorado** – Some planting in areas that received isolated showers, though waiting for most planting to begin. Drought conditions creeping back.
- **Wyoming** – 7% planted in areas that received rain. Most people are waiting to start seeding in a week to 10 days.
- **Montana** – Done harvesting. With good rain, planting started this week.
- **Idaho** – A few acres left to harvest. Some planting has begun. Dryland areas in SE had 4 inches of rain in August. More than 70% of the crop in the SE had been harvested before rains hit whereas only 30-50% harvested closer to the MT border. Post rain seeing low FN, low TW and sprout damage. Reminding everyone to segregate; strong feed market expected.
- **Washington** – Harvest mostly complete. Lower temps, mid-low 80's. No moisture. Winter wheat is 18% planted. Prices are good so expect acres to stay the same, hoping club premiums = more acres. On state survey, HRS pro14.94, HRW pro12.69, SW pro11.66. TW 54-55.
- **Oregon** – Done harvesting; focus switched to seeding. Anticipate increased winter wheat acreage driven by price and most growers will wait to plant as they wait for moisture.
- **PGI/NASS** – Lab has 452 of 518 samples with remaining from PNW. Avg TW 60.5, pro11.8, kernel sizing is slightly larger than last year (lg 65 v. 63, md 34 v. 45). SKCS slightly lower (30 mg v. 32). Diameter slightly lower (2.58 v.2.62). Hardness slightly lower (61 v. 67). Falling number about the same (364 v. 366). 56 of 70 composites milled (TX – SD). Avg pro10.8, flour color 90.6, farino absorption (58.4 v. 59). Development time (4.95 v. 5.5) and stabilities (8.97 v. 10.32) are shorter/lower than last year. Breakdown times (10.2 v. 11.45). Seeing weakness in dough strength. Avg W value (202) is significantly lower than 265 last year. Mixograph data absorptions good at 62 but mix time is 367 v. 382. Tolerance is lower 2.9 v. 3.2. Avg bake time 4 min and avg. loaf volume 881 (v. 868 last year) are slightly above quality targets. Crumb color has improved as moved into Kansas and Colorado and loaf volumes are coming up.
- **WMC** – Waiting for final samples from SE Washington. Overall PNW avg. 11.2%, good falling number, small/light kernels.
- **NDSU/Durum** – Only received 50% of MT samples and 40% ND. Quality is a solid U.S. No. 2. Expect to see samples reflect moisture damage from rains. Based on samples thus far, should have fantastic spaghetti. High vitreous, high protein. Will be No. 2 based on TW. Raining today in Fargo, but western ND is dry.