

# PGI HRW Harvest Report August 27, 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%

**8/26/2021:** The theme of the 2021 HRW harvest could be characterized as “extremes”. Harvest began in central Texas with rain, rain, and more rain just as the crop matured, that was followed by damp, overcast, cool weather making it very difficult to get the crop out of the field. These conditions prevailed for several weeks and when it wasn't raining many areas experienced abnormally cool conditions, heavy overcast with very high humidity. While not unusual for the Southern Plains during harvest, the length of time it lasted was unusual. Harvest in most of the central and eastern parts of the HRW production area of the US was delayed by almost 2 weeks due to excessive moisture and high humidity limiting harvest start times that then only lasted a very few hours each day before the straw was too tough to cut shutting down harvest early. The northern US and Pacific Northwest experienced the opposite conditions leading to an early harvest seeing exceptionally dry conditions, abnormally high temperatures, and a short crop (understated). Early lab results are reflective of these conditions.

**Early testing data:** There are currently 505 of (a now expected 525) samples in the lab and with 484 in various stages of testing. Moisture dropped slightly (11.0% to 10.9%) and overall protein increased from 11.8% to 11.9%. TKW increased from 30.1 grams to 30.2 grams and test weight decreased from 60.5 lbs/bu (79.6 kg/hl) to 60.4 lbs/bu (79.5 kg/hl). Falling number decreased slightly this week (364 sec.) down from (369 sec.) last week. Other kernel factors remained unchanged from last week. Dough and bake tests have begun on the first 32 composites (Texas/Oklahoma/partial Kansas). Average bake absorption is good at 62.7%. Farinograph and alveograph data indicate the need for monitoring during mixing as over mixing will be possible. Early indications are this crop can make a very good final product with an average loaf volume of 874cc (average across all protein ranges in the region defined) when handled properly.

The US HRW harvest is now complete. However, there still samples (20) in transit to the lab from 2 states.

## **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

## **August 20, 2021** (\*FN and Grade Based on 449 samples)

Tst	Exp	MST	Pro %	DKG	TKW	FN*	Grade	Test Weight	FM	DMG	S&B	DEF
502	500	11.0	11.8	0.5	30.1	369	1HRW	60.5 79.6	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:

### August 26, 2021

- **Kansas** – Hot and dry (110 heat index). Fall crops drying. Overall CQ – recent HRW moving to Gulf. Concern about where export demand will be for HRW, lots moving into domestic channels.
- **Colorado** – Hot and dry, drought conditions creeping back. NASS 3% planted.
- **Nebraska** – Spotty rains to aid in planting, S. central/SE unusually dry.
- **Montana** – Stopped raining. Pockets of good quality. Lots of bailing. Minimal rain damage on spring/durum. Almost done with harvest, est. 30-40% of durum acres left to harvest.
- **Idaho** – Almost done with winter, spring 75-80% complete. Rain esp. SE state, possible sprout damage concerns. Elevator avg. 11-11.5% pro. More rain needed.
- **Washington** – Winter wheat mostly complete, spring 70-80%. 2000 SW samples avg. 11.6% pro. Starting to seed, expect slower pace since dry.
- **Oregon** – Harvest mostly complete. Anticipate planted acres increase. 91% short/very short, small % of seeding.
- **North Dakota** – NASS spring 73% harvested. Drought/ill timed rains, losing color. No sprout issues for spring. Durum possible pockets of sprout damage. Spring yields mostly better than expected. Abandonment currently 3%, est. increase.
- **PGI/NASS** – Samples wrapped up. 449 samples total. Avg. 409 samples: 60.5 TW. 416 samples: protein 11.8%, 34% medium, 60% large. 449 samples: Single kernel 30.2 avg. 2.58 MM diameter, avg. hardness 61, nothing above 86 (slightly below 2020). Falling number – 363.5, 4/5 low samples (1 below 250 WY, others right at 300 SD). Sedimentation slightly below 2020 – 48 vs. 52, 70 composites. Still have WY, MT, SD to complete composites. 32 samples evaluated for flour color – L Value avg. 90.5, 32 samples avg. breakdown avg. 9.61 (max 12.8 min 7.5) stability max 10.9 min 5.2, development max 6.7 min 3.3. Alveograph – 32 samples (TX, OK, KS): avg. P value 93, avg. L value 67, avg. W 209, avg. P-L ratio 1.4, mixograph (32 samples) Avg. water absorption 62, mix time 3.25, avg. tolerance 2.7. Bulk of samples from TX/OK, not the best tolerance. Bake mix time avg. 4.27, water absorption 62.7, avg. loaf volume 874, max 970 cc min 790 cc. Possibility of issues in terms of dough strength. Seeing some off color (yellow/dark yellow).
- **WMC** – Most of OR/ID samples finished (80%+ of samples). Overall PNW avg. 11.1%, good falling number, small/light kernels, club avg. 11.3%.