

Harvest Summary of HRW August 12, 2022

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

<u>State</u>	<u>Percent Complete:</u>
○ Texas	100%
○ Oklahoma	100%
○ Kansas	100%
○ Colorado	100%
○ Nebraska	100%
○ South Dakota	100%
○ Montana	58%
○ Washington	35%
○ Oregon	71%
○ Idaho	25%
○ Wyoming	100%

USDA NASS Crop Progress now indicates over 91% of the 2022 HRW wheat crop has now been harvested. However, due to the late development of the crop in Northwestern US, NASS also shows the 2022 crop is well behind the 2021 percent harvested and the 5-year average harvested for this date. Harvest is now complete in all states south and southeast of Montana. Hot, dry, and windy weather continues to be the dominate factor of the 2022 HRW wheat harvest. Montana is now 58% complete with HRW harvest, Washington is 35% complete, Oregon is 71% complete and Idaho is 25% complete

Of the 457 samples pulled all are either in transit or are actively within the testing cycle in the lab for evaluation. This includes (currently) 34 grainsheds across 8 states with all in various stages of evaluation for mill/dough/bake properties as well as kernel characteristics. Of the samples now in the lab there have been 56 composites formed by (low/medium/high) protein x grainshed. The results of testing to this point are shown in the table below as a summary of kernel information. Flour data on the first 34 composites (TX, OK, KS) have a farinograph average development time of 5.2 minutes, a farinograph stability time of 8.8 minutes, and an average farinograph absorption of 59.5%. Bake absorption on those same 34 composites is averaging 64.3 (14% mb). Loaf volume continues to be very good with an overall average of 923cc.

Below the data are the number of samples now tested/total projected for each testing parameter.

August 5, 2022

Tst	Exp	MST	Pro %	DKG	TKW	FN	Grade	Test Weight	FM	DMG	S&B	DEF
457**	520	10.7	12.9	0.5	30.3	339	HRW 1	60.5 79.6	0.2	0.6	1.1	1.9

*All 457 samples are in various stages of testing.

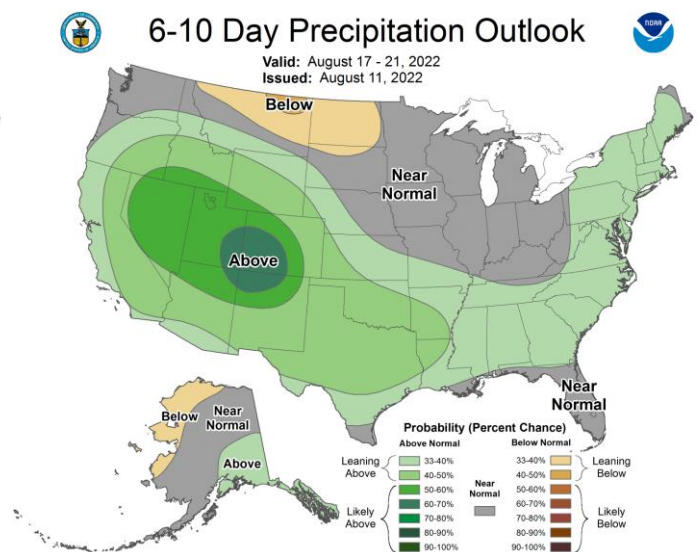
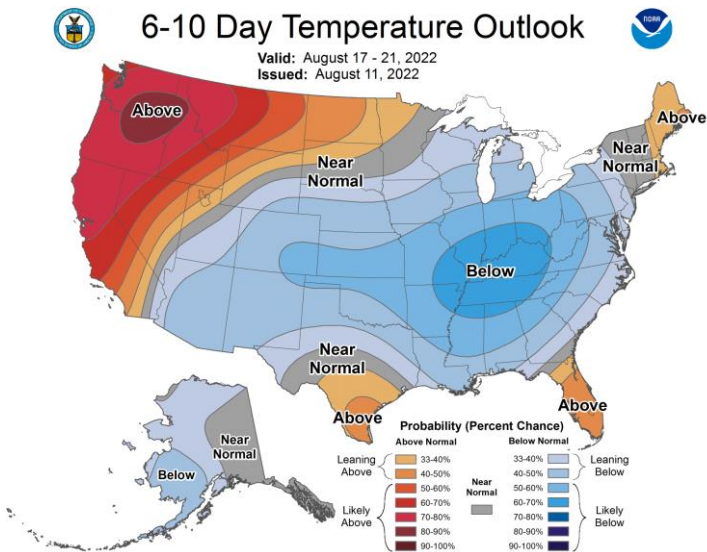
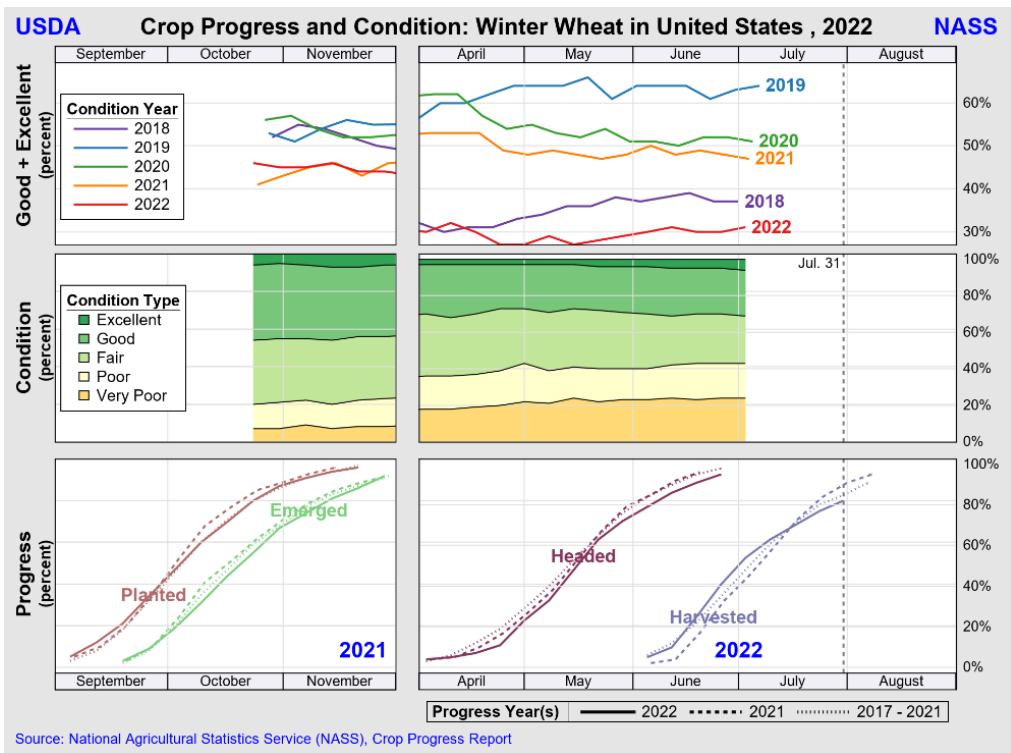
N=		372/520	372/520	372/520	432/520	404/520		372/520 372/520	372/520	372/520	372/520	372/520
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August 11, 2022

Tst	Exp	MST	Pro %	DKG	TKW	FN	Grade	Test Weight	FM	DMG	S&B	DEF
457**	520	10.7	12.9	0.5	30.3	339	HRW 1	60.6 79.6	0.2	0.6	1.0	1.8

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States Update:

August 11, 2022

1. **Kansas** – Very dry, some rain in corn areas. Est. planted wheat acres about 7.4 mln, but may see a bump. Wheat protein plant opening in KS.
2. **Colorado** - Harvest complete, month from planting. Very high heat, spring crops struggling. SE CO decent moisture.
3. **South Dakota** – HRW harvest complete. 30 days out. Spring 54% harvested. High temps (100+). Ergot concerns.
4. **Nebraska** – Harvest complete. Statewide avg. pro +12%. Planting prep. Very dry.
5. **Wyoming** – Harvest complete, focus on planting. Southeastern WY drought increasing (more in D3). Potential planting delays for some producers until moisture received. Some precip. forecast next week.
6. **Minnesota** – Peak harvest Labor Day (3-4 weeks). Crop great. 0% P-VP, 26% F, 74% G-E.
7. **Montana** – Rapid harvest, winter 51%, spring 22%, durum 9%. Golden triangle durum – low yields/thin, Eastern part seeing better (color/quality). Statewide harvest. Higher pro, spring wheat lagging.
8. **Idaho** – 20-25% harvested for winter, 1-3 weeks behind. Variable reports, N state – very good (110-140 bu yields). Slightly lower TW (but above 58), Southern state ½-1 ½ rain (possible sprout damage concerns for unharvested). Minimal disease, some weed pressure. Spring in Southern ID (dryland) – concerns, not enough moisture. SW pro – 8-10%, HRW Northern ID some 11-12's, some below 10's.
9. **Oregon** – 2/3-3/4's harvested. Delayed start, accelerated by heat. Low pro for SW and high TW's. (Klamath falls area some frost damage, yield impact). Excellent yield/quality expected.
10. **Washington** – Winter -27% harvested vs. 57% avg. Spring 6% harvested. Winter 20% E, 56% G, 21% F, and 2% P. Spring wheat is 12% E, 85% G, 3% F (unchanged).
11. **USDA/ARS/PGI/NASS** – 441 samples in lab. Some still coming from MT. TW 60.6, Kernel Size 56.9 L, 41.6 M. %L below 2021, Medium higher than 2021. 12.9% protein. Single kernel – 1000 KW 30.3, diameter 2.56 mm, hardness 64.7 vs. 61.1 2021. Composites: 56 samples composited and milled. Gluten index 82.9 (8 samples), flour color 90.5 vs. 90.6 2021. Seeing some yellow in crumb color bakes. SRC numbers coming in, 34 samples. SDS 128.1, SDS+MBS 104.6, MBS % 61. Farinograph absorption (34 flours)- 59.7, Overall avg. 8.8 stability, development time 5.23, breakdown 10.39. TX/OK/KS samples stability – out of 16 high pro samples, only 3 had stabilities above 10. All low pro below 10, only 3 out of M protein samples above 10. Mixograph: good mix times, tolerance below 3 (2.82). 64.3 water absorption, bake water absorption 64.3, loaf volumes 923 cc. Medium pro above 900, low pro below 850. Overall P value – 91.5, L- 67.4 vs. 63.9 2021, W 215.4 vs. 211.2 2021. Do not think there is a lot of tolerance for overmixing. Drought probably imposed some damage in terms of protein quality. Higher absorptions due to higher protein in crop.
12. **WMC** – 32 samples (all from one area in Oregon). OR seems to have lower protein vs. rest of PNW. Received 41 samples from Southern Idaho – few with low FN.
13. **GPAL** – SRW completed last week.
14. **Dave Green/Brian Walker** – mills pleased with customer responses so far. Higher absorption. Not hearing anything negative.

Percent HRW Harvested by State

August 11, 2022

