

U.S. Wheat Associates


Harvest Report

August 3, 2018

Hard Red Winter

The 2018 HRW harvest in the Northern Plains and Pacific Northwest (PNW) is running behind the 5-year average but is now in full swing. There is an interesting difference in Montana: harvest in the north central "Golden Triangle" is well ahead of the crop in the southern part of the state based on seeding times and a late spring, but harvest is nearing 40% complete in the state. The reports from Montana are about an excellent crop with very good test weight running well above the 60 lb/bu (78.9 kg/hl) average. Protein levels are also greater than 12% (12% moisture basis) with local averages above 13%. Yields have been very good as well. Rain stopped harvest in Nebraska's northern Panhandle and in Southeast Wyoming over the past week and will likely lower test weights from that area. Dryland yields in Wyoming are variable. Conditions remain quite good in the three PNW states where test weights are excellent and protein is running between 11% and 12%.

Because of the later harvest in the northern regions, no additional data is available this week. Based on industry reports, however, the overall grade and non-grade factors will remain strong. The instrument problem that has prevented thousand kernel weight (TKW) measurement has not been fixed but industry sources indicate that TKW measurements have been consistently at 27 gm or greater from Southern and Central Plains locations. If that holds, it would be lower than the 31.8 gm composite from 2017, but areas of higher rainfall in the Northern Plains should help increase this crop's overall measurement.


|  | WHEAT DATA | | | | | | | | GRADE FACTORS | | | | | | | <input type="checkbox"/> Final |
|---|------------|----------|------------|-----------|---------------------|-----------|--------|--------|---------------|-------------|-------|------|----------|-------|-----------|--------------------------------|
| | 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 | 378 | 500 | 11.4 | 12.6 | 14.4 | 0.5 | | 385 | 1HRW | 60.6 | 79.7 | 0.2 | 0.2 | 1.2 | 1.6 | |
| Last Week | 378 | 500 | 11.4 | 12.6 | 14.4 | 0.5 | | 385 | 1HRW | 60.6 | 79.7 | 0.2 | 0.2 | 1.2 | 1.6 | |
| 2017 Final | 488 | 488 | 10.6 | 11.4 | 13.0 | 0.6 | 31.8 | 367 | 1 HRW | 60.8 | 80.0 | 0.1 | 0.1 | 0.9 | 1.1 | |

Results shown represent all samples collected through this and last week respectively.

Legend: Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.

Soft Red Winter

The final SRW report was issued on July 25, 2018.

|  | WHEAT DATA | | | | | | | | GRADE FACTORS | | | | | | | <input type="checkbox"/> Final |
|---|------------|----------|------------|-----------|---------------------|-----------|--------|--------|---------------|-------------|-------|------|----------|-------|-----------|--------------------------------|
| | 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 | 265 | 300 | 12.5 | 10.1 | 11.5 | 0.3 | 29.9 | 318 | 3 SRW | 57.5 | 75.7 | 0.1 | 0.8 | 0.5 | 1.3 | |
| Last Week | 265 | 300 | 12.5 | 10.1 | 11.5 | 0.3 | 29.9 | 318 | 3 SRW | 57.5 | 75.7 | 0.1 | 0.8 | 0.5 | 1.3 | |
| 2017 Final | 270 | 270 | 12.7 | 9.5 | 10.8 | 0.4 | 34.2 | 320 | 2 SRW | 58.8 | 77.4 | 0.1 | 1.1 | 0.5 | 1.7 | |


Results shown represent all samples collected through this and last week respectively.

Legend: Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.

Hard Red Spring

The U.S. spring wheat crop is fast maturing and harvest is progressing well on the earliest planted crop. Harvest is getting started and early reports mainly from South Dakota, where harvest is at least 35% complete, suggest very good protein levels. The crop continues to turn color and ripen faster than the 5-year average, pushed along by this month's warm temperatures. Crop condition ratings remain high with 78 percent of the unharvested crop rated in good to excellent condition.

The Wheat Quality Council completed its spring wheat tour last week, with a final yield estimate for spring wheat at 41.1 bushels per acre. While this is higher than last year's average of 38.1 bushels per acre, it came in below expectations. The current USDA estimate is 47.6 bushels per acre. Scouts on the tour reported variable yields and signs of heat stress which likely impacted yield potential, especially on the earlier planted crop. Yields in the western growing areas are much improved over last year's drought afflicted crop. The highest yields were seen in northeast North Dakota and into Minnesota.


|  | WHEAT DATA | | | | | | | | GRADE FACTORS | | | | | | | <input type="checkbox"/> Final |
|---|------------|----------|------------|-----------|---------------------|-----------|--------|--------|---------------|-------------|-------|------|----------|-------|-----------|--------------------------------|
| | 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 | | | | | |
| This Week | | | | | | | | | | | | | | | | |
| Last Week | | | | | | | | | | | | | | | | |
| 2017 Final | 476 | 476 | 11.9 | 14.6 | 16.6 | 0.6 | 31.0 | 397 | 1 DNS | 61.2 | 80.5 | 0.0 | 0.1 | 0.9 | 1.0 | 76 |

Results shown represent all samples collected through this and last week respectively.

Legend: Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.

Soft White

As of July 29, USDA called the 2018 SW winter wheat harvest 55% complete in Oregon (sadly aided by destructive fires in the north-central part of the state), 28% in Washington and 12% in Idaho. Industry sources say continued dry weather has pushed progress beyond those levels since early this week. Dryland yields remain well above average. The first data from 39 samples (72% from east-central Washington, 23% from northeastern Oregon and 5% from northwestern Oregon) indicate good test weight at 61.8 lb/bu (81.3 kg/hl), very low moisture content at 8.4%, low protein at 9.4% (12% moisture basis), and sound falling number value at 305 seconds.

|  | WHEAT DATA | | | | | | | | GRADE FACTORS | | | | | | | <input type="checkbox"/> Final |
|---|------------|----------|------------|-----------|---------------------|-----------|--------|--------|---------------|-------------|-------|------|----------|-------|-----------|--------------------------------|
| | 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 | 39 | 390 | 8.4 | 9.4 | 10.7 | 0.3 | 33.7 | 305 | 1 SW | 61.8 | 81.3 | 0.0 | 0.1 | 0.5 | 0.6 | |
| Last Week | | | | | | | | | | | | | | | | |
| 2017 Final | 512 | 400 | 8.9 | 9.6 | 10.9 | 0.5 | 35.5 | 335 | 1 SW | 60.9 | 80.0 | 0.1 | 0.0 | 0.5 | 0.6 | |


Results shown represent all samples collected through this and last week respectively.

Legend: Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.

Durum

The Northern durum crop remains in good condition with 79 percent of the North Dakota crop rated in good to excellent condition. Crop development is ahead of average with 60 percent

coloring and nearly 5% mature. Yield potential appears to be much better than in last year's drought stressed crop. The current USDA yield estimate for North Dakota is 39 bushels per acre, up from only 24 bushels per acre last year. The Wheat Quality Council tour yield estimate, based on a limited number of fields, is similar to USDA's current estimate.

|  | WHEAT DATA | | | | | | | | GRADE FACTORS | | | | | | | <input type="checkbox"/> Final |
|---|------------|----------|----------|---------|-------------------|---------|------|-----|---------------|-------------|-------|-----|--------|-----|---------|--------------------------------|
| | Samples | | Moisture | Protein | Dry Basis Protein | Dockage | TKW | FN | Grade | Test Weight | | FM | Damage | S&B | Defects | HVAC |
| | Tested | Expected | % | % | % | % | gm | sec | | lb/bu | kg/hl | % | % | % | % | % |
| This Week | | | | | | | | | | | | | | | | |
| Last Week | | | | | | | | | | | | | | | | |
| 2017 Final | 121 | 113 | 11.1 | 14.5 | 16.5 | 1.0 | 36.9 | 384 | 1 HAD | 60.4 | 78.7 | 0.0 | 0.1 | 1.1 | 1.2 | 83 |

Results shown represent all samples collected through this and last week respectively.

Legend: Protein = 12% Moisture Basis; TKW = 1000 Kernel Weight; FN = Falling Number; FM = Foreign Material; S&B = Shrunken and Broken; n/a = not available.