

U.S. Wheat Associates


Harvest Report

July 29, 2016

Hard Red Winter

The 2016 HRW harvest continued to make significant progress in most of the states this week and is well ahead of the five-year average for this date. Harvest is complete from Texas north to Nebraska. Areas of the Pacific Northwest, Montana and Wyoming received some rains showers and hail this week. Harvest in Wyoming is 85% complete with yields ranging from 25 bu/ac (1.7 tons/ha) to over 50 bu/ac (3.4 tons/ha) and average test weight above 60 lb/bu (78.9 kg/hl). Montana is reporting average yields with protein generally ranging from 11.5% to 12.5%. HRW harvest in Washington is estimated to be 80% complete. Yields are higher than normal and proteins average about 12%. For Oregon and Idaho, harvest progress estimates of 48% and 17%, respectively, are for all winter wheat, which includes both soft white and HRW.

There are now 385 of 530 samples in the lab. The average test weight of 60.6 lb/bu (79.7 kg/hl) did not change this week. It is still well above the minimum for U.S. Grade No. 1 HRW and well above the 59.3 lb/bu (78.0 kg/hl) final overall average last year. The thousand kernel weight (TKW) dropped slightly this week from 32.1 grams to 32.0 grams, but is still very good and well above last year's final average of 29.8 grams. The falling number (FN) value of 395 seconds this week is essentially unchanged compared with 397 seconds last week and 400 seconds last year. The average protein also dropped slightly this week to 11.1% compared with 11.2% last week. However, preliminary testing indicates that the lower protein quantity has not affected the protein quality. As reported last week, more extensive rheological and baking tests to be done over the next few weeks will help to define the functional quality of this crop.

|  | 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 | 385 | 530 | 11.3 | 11.1 | 12.6 | 0.6 | 32.0 | 395 | 1 HRW | 60.6 | 79.7 | 0.2 | 0.2 | 0.9 | 1.3 |
| Last Week | 282 | 530 | 11.5 | 11.2 | 12.7 | 0.5 | 32.1 | 397 | 1 HRW | 60.6 | 79.7 | 0.2 | 0.3 | 0.8 | 1.3 |
| 2015 Final | 499 | 499 | 11.1 | 12.3 | 14.0 | 0.7 | 29.8 | 400 | 2 HRW | 59.3 | 78.0 | 0.1 | 0.4 | 1.2 | 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.


Soft Red Winter

The lab has received and analyzed all SRW samples for this year's harvest. There is a small shortage of samples compared with the originally expected number because of the very small production in some areas. This week's samples did not alter the non-grade factors compared with the previous week's data. The average protein of 9.5% (12% MB) is down from 9.9% last year. The thousand kernel weight (TKW) of 32.2 grams is unchanged from last week and similar to last year. The falling number (FN) value is substantially higher than last year, 329 seconds versus 267. The grade factors as determined on composites from each area show an increase in the test weight of almost 1 lb/bu (1.3 kg/hl) this year, but the average of 57.8 lb/bu (76.1 kg/hl) falls slightly short of the 58.0 lb/bu required for U.S. Grade No 2 SRW. Total damage has decreased by 2.4% and defects by 2.3% compared with 2015 composite averages.

The data generated from the individual wheat samples shows a decrease in average test weight

in the East Coast samples of approximately 1.5 lb/bu (1.9 kg/hl) compared with last year, primarily due to the samples from North Carolina. This decrease is offset for the entire SRW reporting area by an increase in the Gulf Port states. The increase in FN this year is a result of significantly higher values in Illinois, Indiana, Ohio and Missouri, which had unusually low values last year.

Cumulative flour data for the samples milled to date are showing a very good ash value and an average farinograph absorption of 52.4% compared with a final average of 53.3% in 2015. Bake volume is unchanged from 2015 at 700 cc's with a slight decrease in grain and texture score of 4.9 compared to last year's final value of 5.1. The cookie spread ratio (width/thickness) is equal to last year's final value of 9.3.


|  | 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 | 484 | 500 | 12.4 | 9.5 | 10.9 | 0.5 | 32.2 | 329 | 3 SRW | 57.8 | 76.1 | 0.2 | 1.0 | 0.5 | 1.8 | |
| Last Week | 472 | 500 | 12.4 | 9.5 | 10.8 | 0.4 | 32.2 | 329 | 3 SRW | 57.6 | 75.8 | 0.3 | 1.1 | 0.6 | 1.9 | |
| 2015 Final | 519 | 500 | 12.7 | 9.9 | 11.3 | 0.7 | 32.0 | 267 | 3 SRW | 56.9 | 75.0 | 0.1 | 3.4 | 0.6 | 4.1 | |

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.

Hard Red Spring

No Data Available


|  | 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 | | | | | | | | | | | | | | | | |
| 2015 Final | 430 | 430 | 12.1 | 14.2 | 16.1 | 0.8 | 32.0 | 412 | 1 DNS | 61.4 | 80.7 | 0.0 | 0.2 | 0.8 | 1.0 | 77 |

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

No Data Available

|  | 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 | | | | | | | | | | | | | | | | |
| Last Week | | | | | | | | | | | | | | | | |
| 2015 Final | 448 | 440 | 8.9 | 10.9 | 12.4 | 0.6 | 30.8 | 354 | 2 SW | 59.3 | 78.0 | 0.0 | 0.1 | 1.0 | 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.

Durum

No Data Available

|  | 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 | | | | | | | | | | | | | | | | | |
| 2015 Final | 116 | 118 | 11.3 | 13.9 | 15.8 | 0.9 | 39.1 | 420 | 1 HAD | 60.6 | 78.9 | 0.0 | 0.2 | 1.1 | 1.3 | 91 | |

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.