# U.S. Wheat Associates
## Harvest Report
July 7, 2017

### Hard Red Winter
The 2017 HRW wheat harvest continued to be slow last week in west central and northwest Kansas, northeast Colorado and southern Nebraska due to combination of scattered showers, severe thunderstorms and high humidity. Harvest in the remainder of Kansas is quickly winding down with the entire state 79% complete. Texas and Oklahoma are 99% complete. Colorado is 20% complete; harvest is in full swing in southeast Colorado extending northward to the east central part of the state. Harvest in Nebraska is 23% complete with the southern third of the state now over 50% complete and the far western areas just starting or a few days away from starting.

Samples from western Kansas and reports from Colorado indicate variability in protein levels. However, the last 25 samples tested from western and central Kansas have averaged 12.4% protein with a test weight average of 58.3 lb/bu (76.7 kg/hl) and 0.5% S&B.

There are now 203 samples of an expected 530 in the lab representing Texas, Oklahoma and southeastern of Kansas. Average protein increased slightly this week to 11.3% from 11.2% last week. Average test weight decreased by 0.3 lb/bu from last week to 60.4 lb/bu (79.4 kg/hl) due to continued moisture on a mature crop. However, the average 1000 kernel weight (TKW) increased by 0.4 g this week to 30.0 g from 29.6 g last week. The average FN is 365, comparable to last week and indicative of sound wheat.

| | WHEAT DATA | | | | | | | | GRADE FACTORS | | | | | | | ☐ Final |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Samples | | Moisture | Protein | Dry Basis Protein | Dockage | TKW | FN | Grade | Test Weight | | FM | Damage | S&B | Defects | |
| | Tested | Expected | % | % | % | % | gm | sec | | lb/bu | kg/hl | % | % | % | % | |
| This Week | 203 | 530 | 11.6 | 11.3 | 12.8 | 0.7 | 30.0 | 365 | 1 HRW | 60.4 | 79.4 | 0.2 | 0.1 | 1.0 | 1.3 | |
| Last Week | 173 | 530 | 11.6 | 11.2 | 12.7 | 0.7 | 29.6 | 362 | 1 HRW | 60.7 | 79.8 | 0.1 | 0.2 | 1.0 | 1.3 | |
| 2016 Final | 483 | 483 | 11.0 | 11.2 | 12.7 | 0.6 | 31.9 | 392 | 1 HRW | 60.7 | 79.8 | 0.2 | 0.2 | 0.8 | 1.2 | |

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 soft red winter harvest and sample collection are winding down across the SRW growing region. Yields have been reported anywhere from 30 to 80 bu/acre (2.0 tons/ha to 5.4 tons/ha). Northern Indiana is just about all that is left to sample, but analysis of samples arriving from Virginia, Ohio, Maryland and Indiana will continue for another several weeks. The analyses of the additional 18 wheat samples this week did little to alter the cumulative wheat data. However, the additional grading results from western Illinois, eastern Missouri, and southern Indiana improved the overall grade to a US No. 2 SRW at this point.

Compared to the final 2016 data for the individual wheat samples, protein and falling number (FN) value are unchanged while the average 1000 kernel weight (TKW) is approximately 1 g greater this year. Across the entire region sampled, test weights have ranged from 53.8 lb/bu (70.9 kg/hl) to a high of 62.8 lb/bu (82.6 kg/hl) and 1000 kernel weight (TKW) from 25.5 to 37.2 g. Protein values have ranged from a low of 8.2% to 12.8%. Falling number (FN) values have ranged from 204-361 seconds with less than 5% of the samples below 250.

Flour results completed this week included North Carolina, Kentucky and Alabama. In Kentucky, compared to 2016 results, farinograph absorption has increased about 1% to 53.5%, and the cookie W/T

(width/thickness) factor has decreased to 7.85 from 10 last year. Southern North Carolina data is unchanged from last year while northern North Carolina shows a decrease in absorption of about 1% to 53% and a cookie W/T (width/thickness) factor of 7.7, down from 8.3 last year. Alabama data has a slightly lower absorption of 52.4% compared to the other regions completed this year but a slightly higher cookie W/T (width/thickness) factor of 8.9.

Note: This is the first year of surveying Tennessee and Alabama. With reduced area planted and initial reluctance of elevators to provide samples, only 5 samples were collected in Alabama. Tennessee was somewhat better with 11 samples collected. The total for the entire survey is unlikely to reach the originally expected 500.

| | WHEAT DATA | | | | | | | | GRADE FACTORS | | | | | | | Final |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Samples | | Moisture | Protein | Dry Basis Protein | Dockage | TKW | FN | Grade | Test Weight | | FM | Damage | S&B | Defects | |
| | Tested | Expected | % | % | % | % | gm | sec | | lb/bu | kg/hl | % | % | % | % | |
| This Week | 199 | 300 | 12.3 | 9.6 | 10.9 | 0.4 | 33.3 | 315 | 2 SRW | 58.4 | 76.9 | 0.1 | 1.4 | 0.5 | 2.0 | |
| Last Week | 181 | 500 | 12.2 | 9.7 | 11.0 | 0.4 | 33.0 | 314 | 3 SRW | 57.7 | 75.9 | 0.1 | 1.7 | 0.5 | 2.3 | |
| 2016 Final | 484 | 484 | 12.4 | 9.4 | 10.7 | 0.5 | 32.3 | 330 | 2 SRW | 58.6 | 77.2 | 0.1 | 0.8 | 0.5 | 1.4 | |

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 | | | | | | | | Final |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Samples | | Moisture | Protein | Dry Basis Protein | Dockage | TKW | FN | Grade | Test Weight | | FM | Damage | S&B | Defects | DHV | |
| | Tested | Expected | % | % | % | % | gm | sec | | lb/bu | kg/hl | % | % | % | % | % | |
| This Week | | | | | | | | | | | | | | | | | |
| Last Week | | | | | | | | | | | | | | | | | |
| 2016 Final | 475 | 475 | 12.0 | 14.2 | 16.1 | 0.7 | 31.4 | 413 | 1 DNS | 61.3 | 80.6 | 0.0 | 0.1 | 0.8 | 0.9 | 79 | |

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

No Data Available

| | WHEAT DATA | | | | | | | | GRADE FACTORS | | | | | | | Final |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Samples | | Moisture | Protein | Dry Basis Protein | Dockage | TKW | FN | Grade | Test Weight | | FM | Damage | S&B | Defects | |
| | Tested | Expected | % | % | % | % | gm | sec | | lb/bu | kg/hl | % | % | % | % | |
| This Week | | | | | | | | | | | | | | | | |
| Last Week | | | | | | | | | | | | | | | | |
| 2016 Final | 402 | 402 | 9.8 | 10.1 | 11.5 | 0.6 | 36.3 | 314 | 1 SW | 60.8 | 80.0 | 0.0 | 0.1 | 0.6 | 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

No Data Available

| | WHEAT DATA | | | | | | | | GRADE FACTORS | | | | | | | | ☐ 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 | | | | | | | | | | | | | | | | | |
| 2016 Final | 113 | 113 | 11.5 | 13.7 | 15.6 | 0.8 | 39.8 | 411 | 1 HAD | 60.5 | 78.8 | 0.0 | 0.4 | 0.9 | 1.3 | 85 | |

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

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