# **U.S. Wheat Associates**

# **Harvest Report**

August 30, 2019

### **Hard Red Winter**

The 2019 HRW wheat harvest is rapidly winding down with all states either complete or more than 90% complete and should be finished within the next week. Additional samples this week improved the overall unweighted average of test weight, thousand kernel weight and slightly increased protein. There are now 459 samples in various stages of testing and more than 30 samples in transit.

Additional samples this week have improved the overall unweighted average of test weight, thousand kernel weight and a slight increase in protein. Preliminary laboratory and baking analysis indicate that farinograph absorption, peak time and stability are all lower than industry targets. However, loaf volume continues to be very encouraging and is above the industry quality target. Note:

All data presented are simple averages of samples tested and are not weighted for production.

| /SA           | WHEAT   | DATA     |                  |      |                              |     | GRADE FACTORS |     |       |             |       |     |        |     |         |
|---------------|---------|----------|------------------|------|------------------------------|-----|---------------|-----|-------|-------------|-------|-----|--------|-----|---------|
|               | Samples |          | Moisture Protein |      | Dry Basis<br>Protein Dockage |     | TKW           | FN  | Grade | Test Weight |       | FM  | Damage | S&B | Defects |
|               | Tested  | Expected | %                | %    | %                            | %   | gm            | sec |       | lb/bu       | kg/hl | %   | %      | %   | %       |
| This<br>Week  | 459     | 500      | 11.4             | 11.3 | 12.?                         | 0.5 | 32.9          | 375 | 1HRW  | 60.7        | 79.8  | 0.1 | 0.4    | 0.8 | 1.      |
| Last<br>Week  | 408     | 500      | 11.6             | 11.2 | 12.8                         | 0.5 | 32.4          | 381 | 1HRW  | 60.4        | 79.5  | 0.2 | 0.4    | 0.8 | 1.4     |
| 2018<br>Final | 479     | 500      | 10.8             | 12.3 | 14.4                         | 0.5 |               | 371 | 1HRW  | 61.1        | 80.4  | 0.1 | 0.1    | 1.1 | 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 final 2019 SRW weekly harvest report was issued on August 2.

| 4294          | WHEAT         | DATA              |               |              |                           |              | GRADE FACTORS |           |       |        |                 |         |             |          |              |
|---------------|---------------|-------------------|---------------|--------------|---------------------------|--------------|---------------|-----------|-------|--------|-----------------|---------|-------------|----------|--------------|
| 3             | San<br>Tested | nples<br>Expected | Moisture<br>% | Protein<br>% | Dry Basis<br>Protein<br>% | Dockage<br>% | TKW<br>gm     | FN<br>sec | Grade | Test V | Veight<br>kg/hl | FM<br>% | Damage<br>% | S&B<br>% | Defects<br>% |
| 2019<br>Final | 261           | 300               | 12.9          | 9.3          | 10.6                      | 0.4          | 31.6          | 285       | 3SRW  | 57.9   | 76.2            | 0.2     | 0.8         | 0.8      | 1.7          |
| 2018<br>Final | 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          |

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

Hard red spring (HRS) wheat farmers made good progress over the last 10 days and samples are coming into the quality lab at North Dakota State University. Approximately 16% of expected samples have been collected and analyzed for this weekly report but grading data is not yet available. Initial average protein content is 14.7% compared to last year final average of 14.6%. Test weight average is 60.6 lb/bu (79.7 kg/hl) down from last year's final average of 61.7 lb/bu (81.1 kg/hl). Falling number average is 375 seconds.

| A224 | WHEA                    | T DATA   |                    |    |                                     |    |        | GRADE FACTORS |       |       |       |         |             |          |              |          |
|------|-------------------------|----------|--------------------|----|-------------------------------------|----|--------|---------------|-------|-------|-------|---------|-------------|----------|--------------|----------|
|      | Samples Tested Expected |          | _ Moisture Proteir |    | Dry Basis<br>Protein Dockage<br>% % |    | TKW FN |               | Grade |       |       | FM<br>% | Damage<br>% | S&B<br>% | Defects<br>% | DHV<br>% |
|      | resieu                  | Expected | 70                 | /0 | ,,,                                 | /0 | gm     | 300           |       | lb/bu | kg/hl | 70      | 70          | 70       | 70           | 70       |

| This<br>Week  | 72  | 441 | 13.1 | 14.7 | 16.7 | 1.0 | 33.7 | 375 | NA    | 60.6 | 79.7 | NA  | NA  | NA  | NA  | NA |
|---------------|-----|-----|------|------|------|-----|------|-----|-------|------|------|-----|-----|-----|-----|----|
| Last<br>Week  | 0   | 0   | 0    | 0    | 0    | 0   | 0    | 0   | 0     | 0    | 0    | 0   | 0   | 0   | 0   | 0  |
| 2018<br>Final | 464 | 464 | 11.8 | 14.6 | 16.6 | 0.6 | 32.0 | 414 | 1 DNS | 61.7 | 81.1 | 0.0 | 0.1 | 0.7 | 0.8 | 90 |

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**

Weather remains favorable as the Pacific Northwest SW wheat harvest is winding down. Seventy-eight (78) SW samples were received this week from southeast Idaho, north central and northeast Oregon, and east central and southeast Washington. This week's weighted averages indicated slightly higher protein of 10.1% (12% moisture basis) compared to 10.0% last week, slightly lower moisture content of 9.7 compared to 9.8% last week, similar thousand kernel weight (TKW) to last week and slightly lower average falling number of 301 seconds compared to 306 seconds last week.

| GD            | WHEAT                   | DATA |                    |      |                                     |     | GRADE     | L         | ☐ Final |              |      |         |             |          |              |
|---------------|-------------------------|------|--------------------|------|-------------------------------------|-----|-----------|-----------|---------|--------------|------|---------|-------------|----------|--------------|
|               | Samples Tested Expected |      | Moisture Protein % |      | Dry Basis<br>Protein Dockage<br>% % |     | TKW<br>gm | FN<br>sec | Grade   | Grade Test W |      | FM<br>% | Damage<br>% | S&B<br>% | Defects<br>% |
| This<br>Week  | 329                     | 390  | 9.8                | 10.1 | 11.5                                | 0.4 | 36.3      | 301       | 1 SW    | 61.6         | 81.1 | 0.0     | 0.0         | 0.5      | 0.5          |
| Last<br>Week  | 251                     | 390  | 9.8                | 10.0 | 11.5                                | 0.4 | 36.0      | 306       | 1 SW    | 61.6         | 81.1 | 0.0     | 0.0         | 0.5      | 0.5          |
| 2018<br>Final | 473                     | 390  | 8.6                | 9.3  | 10.4                                | 0.5 | 35.7      | 315       | 1 SW    | 61.7         | 81.2 | 0.0     | 0.0         | 0.5      | 0.6          |

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

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#### Durum

The North Dakota Wheat Commission reported Aug. 25 that the northern U.S. durum crop harvest pace remained well behind normal due to slow maturity and less than ideal harvest weather. North Dakota reached 24% complete, up from just 7% the previous week, but about one-half of the 2018 pace. In Montana, harvest was pegged at 20% complete, up from 13% the previous week, but well behind the 2018 and 5-year average of 45%. Crop condition ratings with the wet weather declined in both states with North Dakota falling to 62% good to excellent from 72% and Montana falling to 71% good to excellent compared to 79% the previous week.

| 624           | WHEA | T DATA            |               |              |                           |              |           | GRADE FACTORS Fire |       |        |                 |         |             |          |              |           |  |
|---------------|------|-------------------|---------------|--------------|---------------------------|--------------|-----------|--------------------|-------|--------|-----------------|---------|-------------|----------|--------------|-----------|--|
|               |      | nples<br>Expected | Moisture<br>% | Protein<br>% | Dry Basis<br>Protein<br>% | Dockage<br>% | TKW<br>gm | FN<br>sec          | Grade | Test V | Veight<br>kg/hl | FM<br>% | Damage<br>% | S&B<br>% | Defects<br>% | HVAC<br>% |  |
| This<br>Week  |      |                   |               |              |                           |              |           |                    |       |        |                 |         |             |          |              |           |  |
| Last<br>Week  |      |                   |               |              |                           |              |           |                    |       |        |                 |         |             |          |              |           |  |
| 2018<br>Final | 129  | 119               | 11.3          | 14.2         | 16.1                      | 1.2          | 40.7      | 418                | 1 HAD | 61.5   | 80.1            | 0.0     | 0.0         | 1.0      | 1.0          | 88.3      |  |

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.