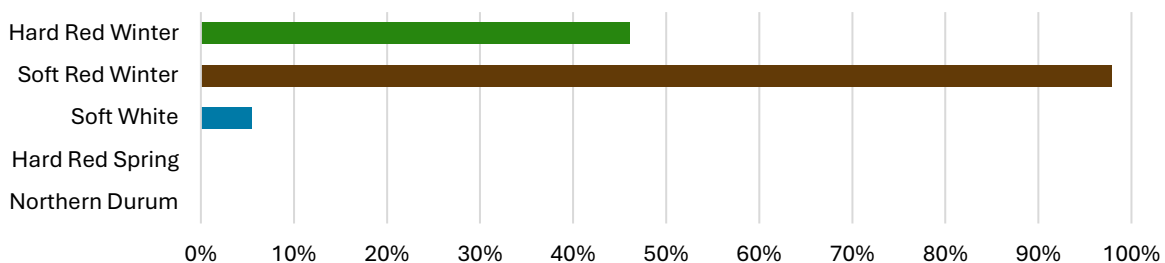




## WEEKLY HARVEST REPORT – July 19, 2024

Much of the U.S. has been under high heat advisories this week, which is expected to continue through next week. The U.S. HRW harvest is progressing quickly as it moves to the north and northwest. Harvest of the SRW crop is all but complete with final quality results still to come; the crop grades a U.S. No. 2 SRW. Hot, dry weather is expected to push development and harvest of the SW, HRS and northern durum crops.

Estimated Percent of Sample Crop Harvested to Date  
(data: NASS Weekly Crop Progress Reports and industry sources)



### HARD RED WINTER

- Crop Progress:** With hot conditions the 2024 HRW harvest continues to move faster than average. As of June 12, USDA NASS estimates harvest is 76% complete in Colorado; Nebraska 70%; South Dakota 15%; Wyoming 21%; Oregon 23% and Washington 5%. Recent precipitation delayed harvest in portions of Nebraska while hot weather is rapidly pushing harvest in Wyoming.
- Crop Conditions:** Producers continue to report better-than-expected yields and quality. In areas that received more moisture, yields are expected to be higher and protein lower. Montana sources report that the winter wheat is progressing well, and good quality is expected; lower yields are anticipated due to dry conditions.
- Wheat Data:** This week’s data includes 400 samples from Texas, Oklahoma, Kansas, Colorado and Nebraska. Slightly lower test weights reflect samples from areas impacted by rain at harvest; the current average is 60.8 lb/bu (80.1 kg/hl). The average protein content at this time is 12.1% (12% mb), below last year but higher than the 5-year average. The falling number average is 365 seconds and indicates a sound crop to date. The HRW crop currently grades a U.S. #1.
- Weather:** Extremely high temperatures and dry conditions continue, a forecast that is likely to support the rapid harvest pace.
- Disease/Pest Pressure:** Producers are closely monitoring isolated reports of disease and pest pressure, including stripe rust, wheat streak mosaic virus and sawfly. Swathing has been reported in areas with high sawfly pressure.

| WHEAT DATA        |         |          |            |           |                     |           |        |        | GRADE FACTORS |             |       |      |          |       |           |
|-------------------|---------|----------|------------|-----------|---------------------|-----------|--------|--------|---------------|-------------|-------|------|----------|-------|-----------|
|                   | 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 |      |          |       |           |
| <b>This Week</b>  | 400     | 500      | 11.3       | 12.1      | 13.8                | 0.6       | 29.5   | 365    | 1 HRW         | 60.8        | 80.1  | 0.1  | 0.2      | 0.7   | 1.0       |
| <b>Last Week</b>  | 310     | 500      | 11.3       | 12.0      | 13.7                | 0.6       | 30.2   | 360    | 1 HRW         | 61.2        | 80.5  | 0.2  | 0.2      | 0.7   | 1.0       |
| <b>2023 Final</b> | 503     | 500      | 11.5       | 12.7      | 14.4                | 0.6       | 29.7   | 355    | 2 HRW         | 59.8        | 78.7  | 0.1  | 0.5      | 0.9   | 1.6       |
| <b>5-year Avg</b> | 493     | 500      | 11.1       | 11.6      | 13.2                | 0.5       | 31.3   | 370    | 1 HRW         | 60.9        | 80.0  | 0.2  | 0.6      | 0.9   | 1.4       |

Legend: Protein = 12% Moisture Basis  
TKW = 1000 Kernel Weight

FN = Falling Number  
FM = Foreign Material

S&B = Shrunken and Broken  
n/a = not available

Note: HRW averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: CO, ID, KS, MT, NE, OK, OR, SD, TX, WA, WY. Table data source: Plains Grains, Inc.

### SOFT RED WINTER

- **Crop Progress:** The 2024 SRW harvest is wrapping up, well ahead of the average pace. Only areas producing for domestic use in northern states remain to be harvested.
- **Crop Conditions:** Overall, yields have been good but below last year’s bumper crop due to heat stress and dry conditions. Quality is also good though there are pockets of vomitoxin concern due to rainfall during flowering.
- **Wheat Data:** With individual sample testing complete, the final average grade for the 2024 SRW crop is a U.S. #2. Compared to last year, protein is higher, while 1000 kernel weight is lower. Falling number is slightly below last year but higher than the 5-year average. Average vomitoxin (DON) for the East Coast samples is 0.86 ppm and Gulf samples is 0.99 ppm: 25% of the samples tested had vomitoxin levels between 1.40 and 2.01 ppm.
- **Flour Data:** Of composites tested compared to 2023, wheat and flour protein are half a percent higher, wet gluten is slightly higher, and farinograph absorption is similar. Average bread volume is nearly 50 ccs higher than last year. The cookie ratio (width/thickness) is currently 8.84 compared to 9.92 in 2023 and 10.46 for the five-year average.
- **Weather:** Another heat wave is expected for the SRW production region. Moisture will be needed before seeding begins in September.

| WHEAT DATA |         |          |            |           |                     |           |        |        | GRADE FACTORS |             |       |      |          |       |           |
|------------|---------|----------|------------|-----------|---------------------|-----------|--------|--------|---------------|-------------|-------|------|----------|-------|-----------|
|            | 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  | 233     | 300      | 13.0       | 9.7       | 11.0                | 0.3       | 32.8   | 316    | 2 SRW         | 59.1        | 77.7  | 0.2  | 0.5      | 0.6   | 1.2       |
| Last Week  | 233     | 300      | 13.0       | 9.7       | 11.0                | 0.3       | 32.8   | 315    | 2 SRW         | 58.9        | 77.5  | 0.2  | 0.6      | 0.6   | 1.4       |
| 2023 Final | 232     | 250      | 13.3       | 9.3       | 10.6                | 0.4       | 35.9   | 320    | 1 SRW         | 60.3        | 79.3  | 0.2  | 0.3      | 0.6   | 1.0       |
| 5-year Avg | 235     | 250      | 13.2       | 9.5       | 10.8                | 0.3       | 32.6   | 311    | 2 SRW         | 60.1        | 79.1  | 0.1  | 0.4      | 0.6   | 1.0       |

Note: SRW averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: AL, AR, IL, IN, KY, MD, MO, NC, OH, TN, VA. Table data source: Great Plains Analytical Laboratory.

### SOFT WHITE

- **Crop Progress:** With hot temperatures, harvest is well underway in all three PNW states. The SW winter wheat crop is 10% harvested and SW spring wheat crop is 1%. The first samples are enroute to the lab with initial data expected in 1-2 weeks.
- **Crop Conditions:** The latest spring wheat NASS conditions ratings for Washington and Oregon are slightly lower, reflecting recent heat stress. Overall, the SW winter wheat crop is rated 60% good to excellent and the spring crop 56%. In Oregon and Idaho, producers are reporting better than average yields, excellent test weights and low protein. In Washington, early reports indicate the crop looks good with no quality concerns. States will be watching for protein impacts with the SW spring crop due to recent hot, dry weather during flowering.
- **Weather:** Extremely hot weather continues for the PNW as crop development and harvest progress accelerate.
- **Disease/Pest Pressure:** There have been isolated reports of disease pressure.

| WHEAT DATA |         |          |            |           |                     |           |        |        | GRADE FACTORS |             |       |      |          |       |           |
|------------|---------|----------|------------|-----------|---------------------|-----------|--------|--------|---------------|-------------|-------|------|----------|-------|-----------|
|            | 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 |      |          |       |           |
| 2023 Final | 450     | 390      | 9.1        | 11.1      | 12.6                | 0.4       | 32.5   | 336    | 1 SW          | 60.3        | 79.3  | 0.1  | 0.0      | 0.6   | 0.7       |
| 5-year Avg | 411     | 390      | 9.1        | 10.0      | 11.2                | 0.5       | 34.4   | 328    | 1 SW          | 61.1        | 80.3  | 0.0  | 0.1      | 0.6   | 0.7       |

Note: SW averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: ID, OR, WA. Table data source: Wheat Marketing Center.

**HARD RED SPRING**

- **Crop Progress:** More than 80% of the HRS crop has headed out: South Dakota and Minnesota are 93% headed, Montana is 72% and North Dakota is 70%. Test cutting has begun in South Dakota. Harvest is not expected to begin in North Dakota and Minnesota for 3 weeks.
- **Crop Conditions:** Participants in the Wheat Quality Council Spring Wheat Tour next week will see a promising crop. NASS condition ratings are holding steady with 76% of the HRS crop rated good to excellent. In North Dakota, NASS is predicting record yields due to excellent spring moisture and mild temperatures. In Montana, conditions have been hotter and drier, so lower yields are anticipated.
- **Disease/Pest Pressure:** Minnesota had the 4<sup>th</sup> wettest June on record – and North Dakota the 43<sup>rd</sup> – so producers are watching for and managing foliar diseases.
- **Weather:** Hot and dry temperatures are forecast, which will help crop maturity.

| WHEAT DATA |         |          |            |           |                     |           |        |        | GRADE FACTORS |             |       |      |          |       |           |       |
|------------|---------|----------|------------|-----------|---------------------|-----------|--------|--------|---------------|-------------|-------|------|----------|-------|-----------|-------|
|            | 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 |      |          |       |           |       |
| 2023 Final | 483     | 450      | 12.2       | 14.2      | 16.2                | 0.7       | 34.3   | 379    | 1 NS          | 61.2        | 80.5  | 0.0  | 0.3      | 0.8   | 1.1       | 52    |
| 5-year Avg | 467     | 450      | 11.9       | 14.6      | 16.6                | 0.6       | 30.7   | 375    | 1 NS          | 61.6        | 81.0  | 0.0  | 0.3      | 0.9   | 1.3       | 79    |

Note: HRS averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: MN, MT, ND, SD. Table data source: North Dakota State University, Hard Red Spring Wheat Quality Laboratory

**NORTHERN DURUM**

- **Crop Progress:** The northern durum crop is maturing ahead of average levels: In North Dakota, 73% has headed out, up from 55% a week ago. In Montana, 59% has headed out, up from 35% a week ago.
- **Crop Conditions:** Crop conditions are holding steady with Montana rated 61% good to excellent and North Dakota crop 88%. After a cool, wet spring, NASS is projecting record yields for North Dakota, which may impact protein content and vitreous levels. The Montana crop is expected to be good quality, but with a hotter and drier growing season, yields are projected to be lower and protein higher. Overall, state representatives report the crop looks good and is developing at an average to above average pace.
- **Weather:** Like HRS, temperatures are expected to trend hotter, which will help push crop development.

| WHEAT DATA |         |          |            |           |                     |           |        |        | GRADE FACTORS |             |       |      |          |       |           |        |
|------------|---------|----------|------------|-----------|---------------------|-----------|--------|--------|---------------|-------------|-------|------|----------|-------|-----------|--------|
|            | Samples |          | Moisture % | Protein % | Dry Basis Protein % | Dockage % | TKW gm | FN sec | Grade         | Test Weight |       | FM % | Damage % | S&B % | Defects % | HVAC % |
|            | Tested  | Expected |            |           |                     |           |        |        |               | lb/bu       | kg/hl |      |          |       |           |        |
| 2023 Final | 131     | 128      | 11.5       | 13.9      | 16.1                | 1.1       | 40.9   | 394    | 1 HAD         | 61.3        | 79.8  | 0.0  | 0.4      | 0.6   | 1.0       | 79     |
| 5-year Avg | 113     | 123      | 11.2       | 13.9      | 16.1                | 0.9       | 42.8   | 410    | 1 HAD         | 61.4        | 79.9  | 0.0  | 0.7      | 0.8   | 1.5       | 84     |

Note: Northern durum averages in the weekly harvest report are simple averages and have not been weighted for production. Results shown represent tested samples collected to date. Data and commentary pertain only to the following sampled states: ND, MT. Table data source: North Dakota State University, Durum Wheat Quality Laboratory.

**Additional Resources:**

- [News | Colorado Wheat](#)
- [Harvest | Kansas Wheat](#)
- [News | Plains Grains](#)
- [Harvest Updates | Texas Wheat](#)
- [Weekly Wheat Update | ND Wheat Commission](#)
- [News | Idaho Wheat](#)
- [News | WA Grains](#)
- [SD Wheat](#)
- [News | Maryland Grain Producers](#)