



2024 PACIFIC NORTHWEST CROP QUALITY REPORT

WEEK 1: August 1, 2024

Please remember that this data is based on a small number of samples from a limited production region. Use caution when drawing conclusions about the overall crop.

We received and processed a total of 65 samples by the end of the first week reporting period for the 2024 Pacific Northwest wheat harvest.

SAMPLE DISTRIBUTION –

65 wheat samples were received in the first week – 50 soft white (SWH), 1 white club (WHCB), 10 hard red winter (HRW), and 4 hard red spring (HRS). 16 samples (25%) were from District 10, 13 (20%) were from District 4, 12 (18%) were from District 8, 11 (17%) were from District 11, less than 10% each were from Districts 5, 6, 7 and 12. (Please refer to page 2 - USDA Economic Statistics Districts Map.)

USDA ECONOMIC STATISTICS DISTRICTS (TABLE 1) DATA –

SWH – Average **test weight** was 61.7 lb/bu (81.2 kg/hl), higher than the 5-year average of 60.8 lb/bu (80.0 kg/hl). Average **dockage** was 0.4%. Average **wheat moisture** content was 8.0%, lower than the 5-year average of 9.2%. Average **wheat protein** content (12% mb) was 8.9%, lower than the 5-year average of 10.3%. Average **falling number** value (14% mb) was 320 seconds, lower than the 5-year average of 330 seconds. Average **thousand kernel weight** (14% mb) was 34.8 g, higher than the 5-year average of 33.8 g. Average **kernel size** was 2.74 mm, larger than the 5-year average of 2.69 mm.

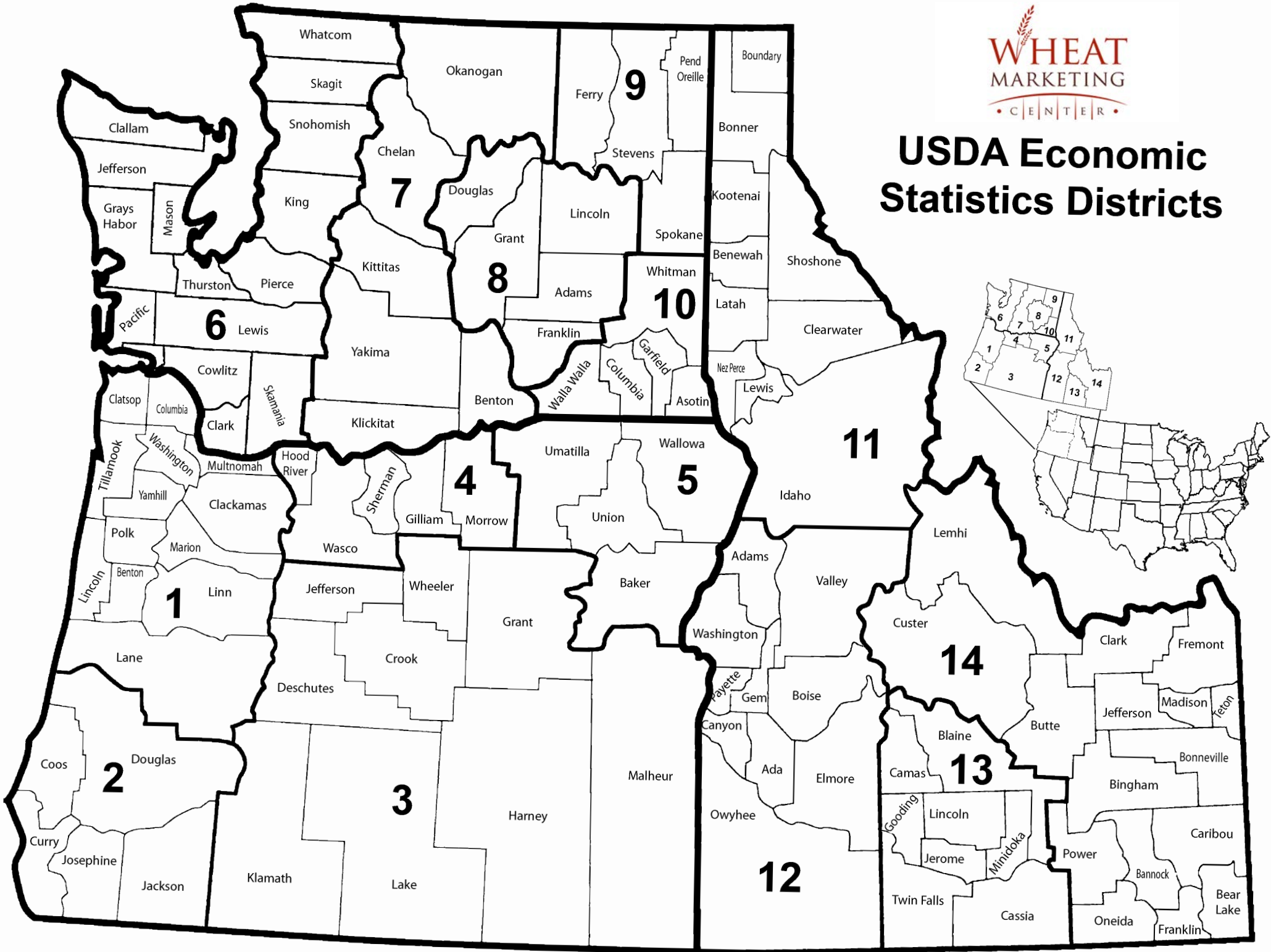
PACIFIC NORTHWEST WHEAT PRODUCTION ZONES (TABLE 2) DATA –

Forty-two percent of this week's samples were from Zone NE, 29% were from Zone C, 28% were from Zone NC and 2% were from Zone SW. (Please refer to page 4 – Pacific Northwest Wheat Production Zones Map.)

SWH – Average **wheat protein** content (12% mb) was highest for Zone NC at 9.7% followed by Zone NE at 8.8%, and the lowest for Zone C at 8.6%.

Please remember that this data is based on a small number of samples.

USDA Economic Statistics Districts





BY USDA ECONOMIC STATISTICS DISTRICTS

Table 1

2024 CROP WEEK 1: August 1, 2024

| | | | Grading Data | | | | | | | | | Quality Data | | | | | | | | |
|-------|--------------------------|-------------------|---------------------|---------------------|-------------|-----------------|------------------|----------------------|---------------------|-------------------|--------------|--------------------|------|------|---------------------------|------------------------------------|------------------------------|------------------|----------------|-----------------------|
| Class | District | Number of Samples | Test Weight (lb/bu) | Test Weight (kg/ht) | Dockage (%) | Heat Damage (%) | Total Damage (%) | Foreign Material (%) | Shrunk & Broken (%) | Total Defects (%) | Moisture (%) | Protein (% 12% mb) | | | Falling Number (s. 14%mb) | Thousand Kernel Weight (g. 14% mb) | Kernel Hardness (-20 to 120) | Kernel Size (mm) | Ash (% 14% mb) | Wet Gluten (% 14% mb) |
| | | | | | | | | | | | | Average | Low | High | | | | | | |
| SWH | 1/2 | 1 | 59.4 | 78.2 | 0.3 | 0.0 | 0.2 | 0.0 | 0.7 | 0.9 | 11.1 | 9.7 | 9.7 | 9.7 | 357 | 36.1 | 25.4 | 2.73 | 1.48 | 24.1 |
| SWH | 4 | 11 | 61.0 | 80.2 | 0.5 | 0.0 | 0.0 | 0.1 | 0.5 | 0.5 | 7.9 | 8.4 | 7.5 | 9.2 | 306 | 33.9 | 23.6 | 2.72 | 1.35 | 16.0 |
| SWH | 5 | 6 | 61.3 | 80.6 | 0.3 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 8.4 | 9.0 | 7.8 | 10.0 | 314 | 37.3 | 20.6 | 2.80 | 1.49 | 19.3 |
| SWH | 6/7 | 3 | 62.3 | 81.9 | 0.4 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 8.1 | 9.0 | 8.3 | 10.1 | 319 | 38.9 | 32.0 | 2.84 | 1.17 | 17.0 |
| SWH | 8 | 4 | 61.9 | 81.4 | 0.6 | 0.0 | 0.0 | 0.1 | 0.4 | 0.4 | 8.9 | 10.2 | 9.0 | 11.7 | 320 | 39.4 | 26.1 | 2.80 | 1.31 | 25.2 |
| SWH | 10 | 14 | 62.1 | 81.6 | 0.5 | 0.0 | 0.0 | 0.2 | 0.4 | 0.6 | 7.7 | 8.1 | 6.9 | 10.9 | 308 | 34.1 | 26.6 | 2.73 | 1.22 | 13.1 |
| SWH | 11 | 11 | 62.3 | 81.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 7.7 | 9.7 | 7.6 | 11.0 | 347 | 32.4 | 30.2 | 2.68 | 1.32 | 25.1 |
| | Crop Year Average | | | | | | | | | | | | | | | | | | | |
| SWH | 2024 | 50 | 61.7 | 81.2 | 0.4 | 0.0 | 0.0 | 0.1 | 0.5 | 0.6 | 8.0 | 8.9 | | | 320 | 34.8 | 26.3 | 2.74 | 1.31 | 18.6 |
| SWH | 2023 | 385 | 60.2 | 79.2 | 0.4 | 0.0 | 0.0 | 0.1 | 0.7 | 0.8 | 9.1 | 11.0 | | | 334 | 32.5 | 20.7 | 2.62 | 1.39 | 25.8 |
| SWH | 5-year average | 398 | 60.8 | 80.0 | 0.5 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 9.2 | 10.3 | | | 330 | 33.8 | 27.4 | 2.69 | 1.41 | 23.9 |
| WHCB | 10 | 1 | 61.7 | 81.1 | 0.4 | 0.0 | 0.0 | 0.0 | 2.4 | 2.4 | 9.3 | 10.5 | 10.5 | 10.5 | 393 | 29.1 | 24.3 | 2.57 | 1.37 | |
| | Crop Year Average | | | | | | | | | | | | | | | | | | | |
| WHCB | 2024 | 1 | 61.7 | 81.1 | 0.4 | 0.0 | 0.0 | 0.0 | 2.4 | 2.4 | 9.3 | 10.5 | | | 393 | 29.1 | 24.3 | 2.57 | 1.37 | |
| WHCB | 2023 | 65 | 60.7 | 79.9 | 0.6 | 0.0 | 0.0 | 0.0 | 1.2 | 1.3 | 8.6 | 10.6 | | | 327 | 29.9 | 22.1 | 2.49 | 1.26 | |
| WHCB | 5-year average | 79 | 60.6 | 79.8 | 0.6 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 8.4 | 10.4 | | | 333 | 30.1 | 28.8 | 2.52 | 1.31 | |
| HRW | 4 | 2 | 64.2 | 84.3 | 1.1 | 0.0 | 0.0 | 0.1 | 0.4 | 0.5 | 7.6 | 10.8 | 10.7 | 10.9 | 355 | 35.7 | 65.9 | 2.88 | 1.39 | 25.6 |
| HRW | 6/7 | 2 | 62.3 | 81.9 | 0.7 | 0.0 | 0.0 | 0.0 | 1.9 | 1.9 | 7.5 | 9.6 | 7.9 | 11.2 | 347 | 36.3 | 66.1 | 2.84 | 1.29 | 19.2 |
| HRW | 8 | 5 | 61.3 | 80.7 | 0.6 | 0.0 | 0.1 | 0.0 | 0.4 | 0.5 | 8.7 | 11.3 | 10.3 | 12.4 | 384 | 40.1 | 64.1 | 2.98 | 1.39 | 26.5 |
| HRW | 10 | 1 | 59.6 | 78.4 | 0.5 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 7.7 | 8.4 | 8.4 | 8.4 | 279 | 33.2 | 54.2 | 2.78 | 1.35 | 13.9 |
| | Crop Year Average | | | | | | | | | | | | | | | | | | | |
| HRW | 2024 | 10 | 61.9 | 81.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 8.1 | 10.6 | | | 360 | 37.8 | 63.9 | 2.91 | 1.37 | 23.6 |
| HRW | 2023 | 73 | 61.7 | 81.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.6 | 0.7 | 9.3 | 11.8 | | | 355 | 36.3 | 61.0 | 2.83 | 1.42 | 25.9 |
| HRW | 5-year average | 79 | 61.6 | 80.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 9.1 | 11.7 | | | 365 | 34.4 | 65.7 | 2.80 | 1.43 | 26.5 |
| HRS | 6/7 | 1 | 62.1 | 81.7 | 1.4 | 0.0 | 0.0 | 0.1 | 0.3 | 0.4 | 8.2 | 15.2 | 15.2 | 15.2 | 361 | 37.5 | 65.9 | 2.95 | 1.44 | 27.1 |
| HRS | 8 | 3 | 61.4 | 80.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 8.8 | 13.0 | 11.2 | 14.3 | 382 | 34.8 | 67.6 | 2.82 | 1.65 | 31.6 |
| | Crop Year Average | | | | | | | | | | | | | | | | | | | |
| HRS | 2024 | 4 | 61.6 | 81.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 8.7 | 13.6 | | | 377 | 35.5 | 67.2 | 2.85 | 1.60 | 30.5 |
| HRS | 2023 | 36 | 61.7 | 81.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 9.5 | 14.6 | | | 370 | 32.0 | 65.9 | 2.75 | 1.58 | 35.2 |
| HRS | 5-year average | 52 | 61.9 | 81.3 | 0.5 | 0.0 | 0.1 | 0.0 | 0.8 | 0.9 | 9.3 | 14.7 | | | 376 | 30.8 | 70.3 | 2.72 | 1.61 | 36.4 |

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BY PRODUCTION ZONES

Table 2

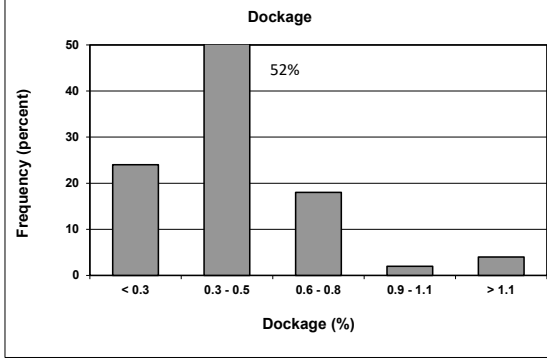
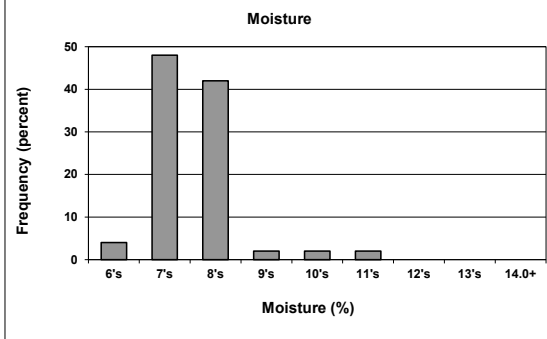
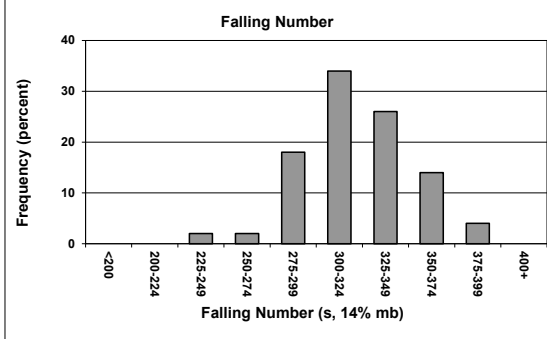
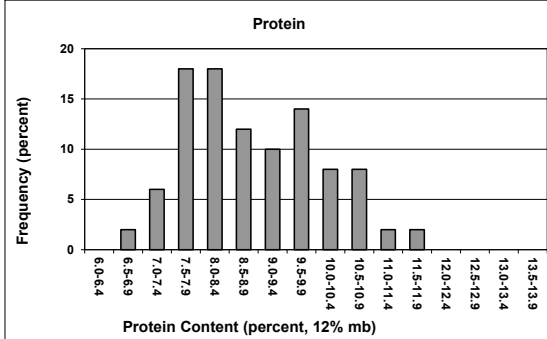
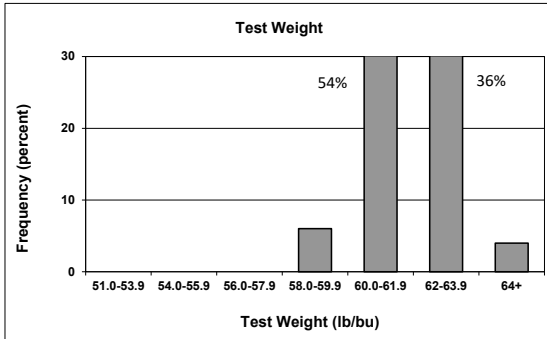
| 2024 CROP WEEK 1: August 1, 2024 | | | | | | | | | | | | | | | | | | | | |
|----------------------------------|--------------------------|-------------------|---------------------|---------------------|-------------|-----------------|------------------|----------------------|---------------------|-------------------|--------------|--------------------|------|------|---------------------------|------------------------------------|------------------------------|------------------|----------------|-----------------------|
| | | | Grading Data | | | | | | | | Quality Data | | | | | | | | | |
| Class | District | Number of Samples | Test Weight (lb/bu) | Test Weight (kg/ht) | Dockage (%) | Heat Damage (%) | Total Damage (%) | Foreign Material (%) | Shrunk & Broken (%) | Total Defects (%) | Moisture (%) | Protein (% 12% mb) | | | Falling Number (s. 14%mb) | Thousand Kernel Weight (g. 14% mb) | Kernel Hardness (-20 to 120) | Kernel Size (mm) | Ash (% 14% mb) | Wet Gluten (% 14% mb) |
| | | | | | | | | | | | | Average | Low | High | | | | | | |
| SWH | NC | 7 | 62.1 | 81.6 | 0.5 | 0.0 | 0.0 | 0.0 | 0.3 | 0.4 | 8.5 | 9.7 | 8.3 | 11.7 | 321 | 39.2 | 28.7 | 2.81 | 1.25 | 21.7 |
| SWH | NE | 25 | 62.1 | 81.7 | 0.4 | 0.0 | 0.0 | 0.1 | 0.5 | 0.6 | 7.7 | 8.8 | 6.9 | 11.0 | 324 | 33.4 | 28.2 | 2.71 | 1.26 | 18.4 |
| SWH | C | 17 | 61.1 | 80.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 8.1 | 8.6 | 7.5 | 10.0 | 309 | 35.1 | 22.5 | 2.75 | 1.40 | 17.2 |
| SWH | SW | 1 | 59.4 | 78.2 | 0.3 | 0.0 | 0.2 | 0.0 | 0.7 | 0.9 | 11.1 | 9.7 | 9.7 | 9.7 | 357 | 36.1 | 25.4 | 2.73 | 1.48 | 24.1 |
| | Crop Year Average | | | | | | | | | | | | | | | | | | | |
| SWH | 2024 | 50 | 61.7 | 81.2 | 0.4 | 0.0 | 0.0 | 0.1 | 0.5 | 0.6 | 8.0 | 8.9 | | | 320 | 34.8 | 26.3 | 2.74 | 1.31 | 18.6 |
| SWH | 2023 | 385 | 60.2 | 79.2 | 0.4 | 0.0 | 0.0 | 0.1 | 0.7 | 0.8 | 9.1 | 11.0 | | | 334 | 32.5 | 20.7 | 2.62 | 1.39 | 25.8 |
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| WHCB | NE | 1 | 61.7 | 81.1 | 0.4 | 0.0 | 0.0 | 0.0 | 2.4 | 2.4 | 9.3 | 10.5 | 10.5 | 10.5 | 393 | 29.1 | 24.3 | 2.57 | 1.37 | |
| | Crop Year Average | | | | | | | | | | | | | | | | | | | |
| WHCB | 2024 | 1 | 61.7 | 81.1 | 0.4 | 0.0 | 0.0 | 0.0 | 2.4 | 2.4 | 9.3 | 10.5 | | | 393 | 29.1 | 24.3 | 2.57 | 1.37 | |
| WHCB | 2023 | 65 | 60.7 | 79.9 | 0.6 | 0.0 | 0.0 | 0.0 | 1.2 | 1.3 | 8.6 | 10.6 | | | 327 | 29.9 | 22.1 | 2.49 | 1.26 | |
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| HRW | NC | 7 | 61.6 | 81.0 | 0.6 | 0.0 | 0.0 | 0.0 | 0.8 | 0.9 | 8.3 | 10.8 | 7.9 | 12.4 | 372 | 39.0 | 64.7 | 2.94 | 1.36 | 24.4 |
| HRW | NE | 1 | 59.6 | 78.4 | 0.5 | 0.0 | 0.0 | 0.0 | 1.1 | 1.1 | 7.7 | 8.4 | 8.4 | 8.4 | 279 | 33.2 | 54.2 | 2.78 | 1.35 | 13.9 |
| HRW | C | 2 | 64.2 | 84.3 | 1.1 | 0.0 | 0.0 | 0.1 | 0.4 | 0.5 | 7.6 | 10.8 | 10.7 | 10.9 | 355 | 35.7 | 65.9 | 2.88 | 1.39 | 25.6 |
| | Crop Year Average | | | | | | | | | | | | | | | | | | | |
| HRW | 2024 | 10 | 61.9 | 81.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 8.1 | 10.6 | | | 360 | 37.8 | 63.9 | 2.91 | 1.37 | 23.6 |
| HRW | 2023 | 73 | 61.7 | 81.1 | 0.3 | 0.0 | 0.1 | 0.0 | 0.6 | 0.7 | 9.3 | 11.8 | | | 355 | 36.3 | 61.0 | 2.83 | 1.42 | 25.9 |
| HRW | 5-year average | 79 | 61.6 | 80.9 | 0.3 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 9.1 | 11.7 | | | 365 | 34.4 | 65.7 | 2.80 | 1.43 | 26.5 |
| HRS | NC | 4 | 61.6 | 81.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 8.7 | 13.6 | 11.2 | 15.2 | 377 | 35.5 | 67.2 | 2.85 | 1.60 | 30.5 |
| | Crop Year Average | | | | | | | | | | | | | | | | | | | |
| HRS | 2024 | 4 | 61.6 | 81.0 | 0.9 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 8.7 | 13.6 | | | 377 | 35.5 | 67.2 | 2.85 | 1.60 | 30.5 |
| HRS | 2023 | 36 | 61.7 | 81.2 | 0.5 | 0.0 | 0.0 | 0.0 | 0.6 | 0.7 | 9.5 | 14.6 | | | 370 | 32.0 | 65.9 | 2.75 | 1.58 | 35.2 |
| HRS | 5-year average | 52 | 61.9 | 81.3 | 0.5 | 0.0 | 0.1 | 0.0 | 0.8 | 0.9 | 9.3 | 14.7 | | | 376 | 30.8 | 70.3 | 2.72 | 1.61 | 36.4 |

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Distributions

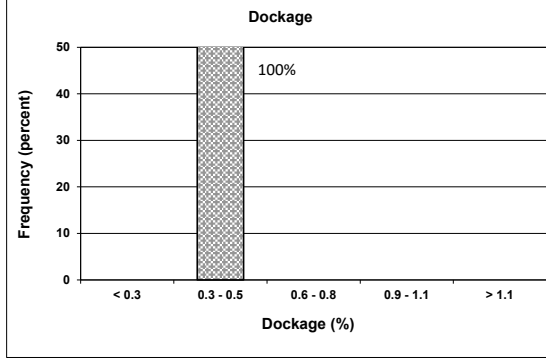
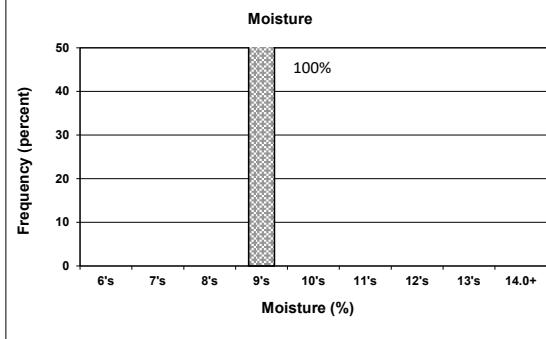
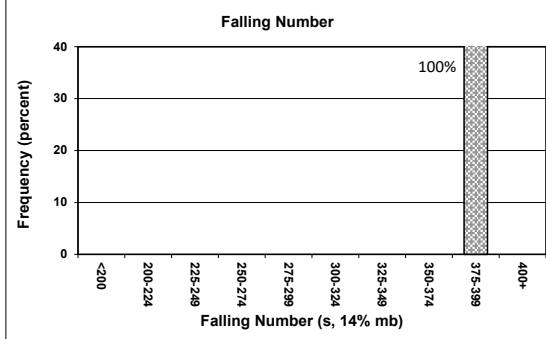
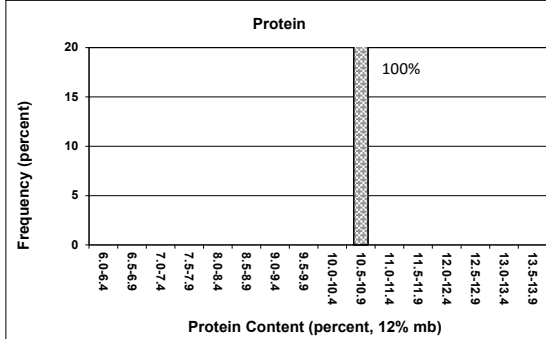
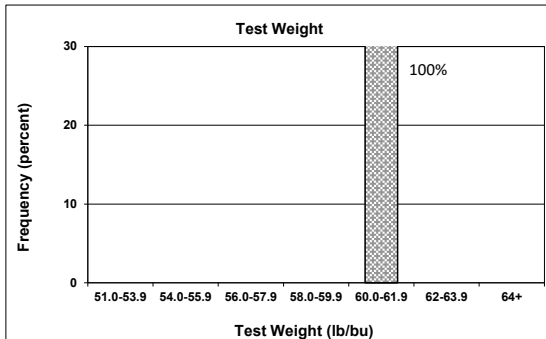
SOFT WHITE WHEAT

50 SAMPLES



WHITE CLUB WHEAT

1 SAMPLES



Prepared by: Wheat Marketing Center, Portland, Oregon