

Pacific Northwest, Syngenta Data

Three-Year Dryland Winter Wheat Summary

2017-2019, Ranked by Three-Year Yield

| Variety | Market Class | 3-Yr Summary | | | | 2-Yr Summary | | | | 2019 | | | | |
|---------------------|--------------|--------------|---------------------|----------------|---------------------|--------------|---------------------|----------------|---------------------|--------------|---------------------|----------------|---------------------|-----------|
| | | Yield (bu/a) | Test Weight (lb/bu) | Heading Julian | Plant Height Inches | Yield (bu/a) | Test Weight (lb/bu) | Heading Julian | Plant Height Inches | Yield (bu/a) | Test Weight (lb/bu) | Heading Julian | Plant Height Inches | Protein % |
| Xerpha | SWW | 90 | 60.7 | 157 | 33 | 92 | 60.3 | 155 | 33 | 79 | 61.5 | 159 | 31 | 11.6 |
| AP Dynamic | SWW | 87 | 61.7 | 157 | 31 | 86 | 61.7 | 154 | 31 | 73 | 60.9 | 157 | 28 | 11.4 |
| SY Ovation | SWW | 85 | 62.1 | 154 | 30 | 84 | 62.0 | 153 | 30 | 67 | 61.5 | 156 | 29 | 11.5 |
| SY Banks | SWW | 84 | 61.1 | 155 | 31 | 82 | 61.4 | 154 | 31 | 68 | 59.7 | 158 | 29 | 11.9 |
| SY Dayton | SWW | 83 | 61.8 | 154 | 28 | 83 | 61.7 | 155 | 29 | 68 | 61.8 | 157 | 28 | 11.5 |
| Otto | SWW | 81 | 61.4 | 159 | 32 | 80 | 61.5 | 158 | 33 | 71 | 62.2 | 160 | 30 | 10.8 |
| SY Command | SWW | 80 | 61.4 | 155 | 30 | 81 | 61.8 | 154 | 31 | 69 | 61.2 | 158 | 30 | 11.4 |
| Keldin | HRW | 80 | 63.5 | 155 | 31 | 78 | 63.6 | 153 | 33 | 62 | 63.3 | 156 | 29 | 12.4 |
| Eltan | SWW | 75 | 61.7 | 158 | 31 | 74 | 62.0 | 156 | 32 | 71 | 62.5 | 158 | 27 | 10.6 |
| Norwest Duet | SWW | | | | | 91 | 62.4 | 155 | 36 | 78 | 61.7 | 158 | 33 | 11.3 |
| Mpress | SWW | | | | | 88 | 60.8 | 153 | 29 | 74 | 62.5 | 156 | 27 | 11.0 |
| SY Raptor | SWW | | | | | 87 | 61.6 | 152 | 31 | 73 | 61.0 | 155 | 29 | 11.4 |
| Jasper | SWW | | | | | 86 | 58.0 | 153 | 33 | 73 | 60.9 | 157 | 30 | 11.4 |
| Norwest Tandem | SWW | | | | | 85 | 62.0 | 152 | 29 | 76 | 61.6 | 154 | 29 | 11.2 |
| PNW Hailey | SWW | | | | | 84 | 62.8 | 153 | 33 | 76 | 63.2 | 156 | 31 | 11.4 |
| LCS Jet | HRW | | | | | 83 | 62.3 | 152 | 30 | 69 | 61.5 | 154 | 27 | 11.9 |
| Mela CL+ | SWW | | | | | 81 | 62.3 | 156 | 33 | 76 | 63.0 | 158 | 31 | 11.1 |
| Puma | SWW | | | | | 80 | 62.6 | 153 | 35 | 69 | 62.0 | 157 | 32 | 11.6 |
| Bobtail | SWW | | | | | 77 | 59.9 | 154 | 28 | 57 | 59.4 | 157 | 24 | 10.7 |
| WB 1604 | SWW | | | | | 77 | 63.0 | 150 | 31 | 63 | 62.4 | 153 | 29 | 12.5 |
| ORCF-103 | SWW | | | | | 77 | 62.1 | 155 | 31 | 71 | 61.8 | 157 | 27 | 10.5 |
| Curiosity CL | SWW | | | | | 76 | 62.6 | 156 | 33 | 76 | 63.3 | 158 | 30 | 10.8 |
| SY Assure | SWW | | | | | 75 | 62.9 | 150 | 29 | 60 | 62.7 | 152 | 28 | 12.6 |
| WB 1529 | SWW | | | | | 74 | 64.0 | 151 | 29 | 63 | 63.4 | 155 | 27 | 12.4 |
| AP Redeye | HRW | | | | | | | | | 68 | 63.4 | 154 | 29 | 12.7 |
| Dyna-Gro Impact | SWW | | | | | | | | | 64 | 62.5 | 157 | 27 | 11.4 |
| LCS Rocket | HRW | | | | | | | | | 62 | 61.3 | 155 | 27 | 12.5 |
| LCS Sonic | SWW | | | | | | | | | 65 | 60.8 | 157 | 31 | 11.7 |
| Whetstone | HRW | | | | | | | | | 52 | 63.8 | 153 | 28 | 14.1 |
| Average | | 83 | 61.8 | 156 | 31 | 82 | 61.9 | 154 | 31 | 69 | 61.9 | 156 | 29 | 11.6 |
| LSD General (5%) EE | | 6.55 | 1.12 | 2.26 | 2.32 | 9.37 | 2.36 | 1.69 | | 6.98 | 1.11 | | 2 | 0.9 |
| CV (Effective) | | 10.43 | 2.51 | 1.13 | 5.20 | 11.13 | 4.11 | 0.67 | 4.15 | 11.80 | 1.10 | | 4 | 5.4 |
| Locations | | 15 | 15 | 5 | 4 | 9 | 9 | 3 | 2 | 5 | 5 | 5 | 5 | 5 |

Varieties in bold are statistically the same.

Fungicide applied at herbicide timing.

Protein is adjusted to 14% moisture.

2017 Locations: Almira, Reardan, Connell, LaCrosse, and Ritzville, WA

2018 Locations: Almira, Harrington, and LaCrosse, WA; Moro, OR

2019 Locations: Almira, Harrington, Reardan, Connell, and Ritzville, WA; Moro, OR

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Pacific Northwest, Syngenta Data

Dryland Over Locations Summary

2019, Ranked by Yield

| Variety | Over Locations | | | | | Yield (bu/a) | | | | |
|---------------------|----------------|---------------------|----------------|---------------------|-----------|--------------|----------------|-------------|-------------|---------------|
| | Yield (bu/a) | Test Weight (lb/bu) | Heading Julian | Plant Height Inches | Protein % | Almira, WA | Harrington, WA | Moro, OR | Connell, WA | Ritzville, WA |
| Xerpha | 78.9 | 61.5 | 159 | 31 | 11.6 | 95.7 | 94.5 | 65.4 | 75.4 | 63.5 |
| Norwest Duet | 78.0 | 61.7 | 158 | 33 | 11.3 | 94.1 | 87.9 | 65.0 | 89.9 | 53.2 |
| Curiosity CL | 76.3 | 63.3 | 158 | 30 | 10.8 | 102.7 | 86.7 | 62.2 | 83.3 | 46.5 |
| PNW Hailey | 76.1 | 63.2 | 156 | 31 | 11.4 | 91.9 | 90.2 | 64.3 | 83.7 | 50.2 |
| Mela CL+ | 75.8 | 63.0 | 158 | 31 | 11.1 | 112.0 | 80.9 | 58.3 | 79.9 | 48.0 |
| Norwest Tandem | 75.8 | 61.6 | 154 | 29 | 11.2 | 85.4 | 88.8 | 65.1 | 85.4 | 54.2 |
| MPRESS | 74.0 | 62.5 | 156 | 27 | 11.0 | 90.0 | 84.1 | 68.4 | 71.6 | 55.7 |
| Jasper | 73.3 | 60.9 | 157 | 30 | 11.4 | 97.4 | 84.1 | 58.5 | 67.9 | 58.8 |
| AP Dynamic | 73.0 | 60.9 | 157 | 28 | 11.4 | 88.0 | 80.5 | 64.7 | 74.2 | 57.6 |
| SY Raptor | 72.9 | 61.0 | 155 | 29 | 11.4 | 100.6 | 82.1 | 59.0 | 69.2 | 53.7 |
| ORCF-103 | 71.2 | 61.8 | 157 | 27 | 10.5 | 91.1 | 78.5 | 56.7 | 76.2 | 53.7 |
| Otto | 71.0 | 62.2 | 160 | 30 | 10.8 | 81.7 | 83.1 | 54.9 | 80.8 | 54.6 |
| Eltan | 70.6 | 62.5 | 158 | 27 | 10.6 | 87.4 | 85.7 | 52.9 | 77.9 | 49.3 |
| SY Command | 69.3 | 61.2 | 158 | 30 | 11.4 | 95.6 | 75.6 | 51.2 | 72.5 | 51.7 |
| Puma | 68.8 | 62.0 | 157 | 32 | 11.6 | 90.4 | 79.5 | 54.1 | 66.9 | 52.9 |
| LCS Jet | 68.7 | 61.5 | 154 | 27 | 11.9 | 83.3 | 77.5 | 58.3 | 74.7 | 49.8 |
| SY Banks | 68.5 | 59.7 | 158 | 29 | 11.9 | 89.7 | 82.7 | 50.6 | 65.8 | 53.5 |
| AP Redeye | 67.7 | 63.4 | 154 | 29 | 12.7 | 89.7 | 79.3 | 50.4 | 65.0 | 54.3 |
| SY Dayton | 67.7 | 61.8 | 157 | 28 | 11.5 | 81.2 | 77.3 | 59.5 | 66.9 | 53.6 |
| SY Ovation | 66.9 | 61.5 | 156 | 29 | 11.5 | 85.6 | 79.2 | 59.5 | 61.7 | 48.6 |
| LCS Sonic | 65.0 | 60.8 | 157 | 31 | 11.7 | 72.2 | 81.2 | 45.0 | 77.1 | 49.6 |
| Dyna-Gro Impact | 64.1 | 62.5 | 157 | 27 | 11.4 | 71.5 | 73.7 | 57.3 | 72.9 | 45.1 |
| WB 1604 | 62.8 | 62.4 | 153 | 29 | 12.5 | 90.8 | 72.6 | 45.6 | 62.5 | 42.4 |
| WB 1529 | 62.5 | 63.4 | 155 | 27 | 12.4 | 76.1 | 73.3 | 51.4 | 66.8 | 44.8 |
| SY Candor | 62.4 | 62.0 | 158 | 29 | 12.0 | 88.3 | 73.3 | 44.9 | 60.2 | 45.0 |
| Keldin | 61.8 | 63.3 | 156 | 29 | 12.4 | 80.3 | 73.1 | 55.3 | 59.8 | 40.4 |
| LCS Rocket | 61.7 | 61.3 | 155 | 27 | 12.5 | 80.4 | 70.1 | 58.3 | 62.3 | 37.2 |
| SY Assure | 59.9 | 62.7 | 152 | 28 | 12.6 | 79.5 | 71.3 | 55.6 | 55.0 | 38.3 |
| Bobtail | 57.4 | 59.4 | 157 | 24 | 10.7 | 91.3 | 64.0 | 52.4 | 57.0 | 22.3 |
| Whetstone | 51.5 | 63.8 | 153 | 28 | 14.1 | 70.2 | 60.7 | 37.2 | 53.1 | 36.5 |
| Average | 68.7 | 61.9 | 156 | 29 | 11.6 | 87.7 | 79.3 | 56.4 | 70.7 | 49.1 |
| LSD General (5%) EE | 6.98 | 1.11 | | 2 | 0.9 | 18.77 | 10.39 | 11.84 | 14.33 | 8.03 |
| CV (Effective) | 11.80 | 1.10 | | 4 | 5.4 | 13.14 | 8.04 | 12.88 | 12.45 | 10.03 |

Values in **bold** are statistically the same.

Fungicide applied at herbicide timing.

Protein is adjusted to 14% moisture.

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