

2022 Plains Irrigated Summary, Three-Year Data

Syngenta Commercial Variety Wheat Performance Test, 2020-2022

| Variety | 3-Yr Combined (2020-2022) | | 2-Yr Combined (2021-2022) | | Combined (2022) | | Hugoton, KS | Ingalls, KS | Imperial, NE |
|----------------------|------------------------------|--------------|------------------------------|--------------|--------------------|--------------|----------------|----------------|-----------------|
| | Yield Bu/A | TWT Lb/Bu | Yield Bu/A | TWT Lb/Bu | Yield Bu/A | TWT Lb/Bu | Yield Bu/A | Yield Bu/A | Yield Bu/A |
| Hard Winter Wheat | | | | | | | | | |
| AP Roadrunner | 96.7 | 60.8 | 102.8 | 58.7 | 91.7 | 58.8 | 93.5 | 88.4 | 93.2 |
| SY Wolverine | 96.5 | 61.5 | 106.5 | 59.9 | 98.6 | 61.5 | 111.9 | 93.8 | 90.2 |
| AP Prolific | 96.0 | 61.2 | 107.3 | 59.3 | 93.6 | 58.8 | 103.7 | 87.8 | 89.4 |
| AP Bigfoot | 93.0 | 61.6 | 104.2 | 60.1 | 93.2 | 60.0 | 96.5 | 88.1 | 95.1 |
| AP EverRock | 91.5 | 60.8 | 101.2 | 59.4 | 89.1 | 60.3 | 97.5 | 86.2 | 83.6 |
| AP18 AX | 89.8 | 61.3 | 100.1 | 59.9 | 89.5 | 60.3 | 91.0 | 83.7 | 94.0 |
| SY Grit | 87.8 | 60.8 | 100.0 | 59.6 | 86.0 | 58.9 | 86.9 | 78.3 | 92.7 |
| SY Monument | 87.3 | 60.5 | 92.8 | 58.8 | 80.8 | 59.2 | 70.4 | 74.7 | 97.4 |
| AP Longjack | | | | | 82.8 | 54.5 | 94.3 | 73.2 | 81.0 |
| WB4792 | 101.0 | 62.1 | 109.4 | 60.3 | 99.9 | 60.6 | 113.2 | 95.7 | 90.9 |
| Canvas | 99.5 | 62.9 | 107.4 | 61.9 | 99.8 | 61.4 | 112.9 | 90.7 | 95.8 |
| WB-Grainfield | 91.5 | 62.3 | 105.3 | 61.2 | 94.3 | 62.4 | 97.4 | 90.8 | 94.7 |
| Langin | 91.0 | 61.2 | 99.5 | 59.8 | 96.3 | 60.2 | 96.5 | 96.1 | 96.5 |
| TAM 114 | 90.5 | 63.4 | 100.1 | 62.5 | 91.5 | 63.3 | 102.8 | 90.1 | 81.7 |
| TAM 115 | 84.8 | 63.1 | 94.1 | 61.7 | 93.8 | 63.2 | 106.3 | 86.1 | 89.1 |
| Ruth | 84.0 | 61.4 | 98.1 | 60.4 | 81.8 | 60.8 | 87.0 | 82.6 | 75.6 |
| WB4418 | | | 97.5 | 59.0 | 83.4 | 58.4 | 83.0 | 81.1 | 86.2 |
| Mean General | 92.1 | 61.7 | 101.6 | 60.2 | 91.8 | 60.0 | 97.8 | 87.3 | 90.2 |
| LSD General (5%) EE | 7.2 | 1.4 | 8.9 | 2.2 | 12.0 | 3.3 | 14.2 | 9.4 | 16.5 |
| CV (Effective) | 8.0 | 2.3 | 7.3 | 5.0 | 9.1 | 6.0 | 8.8 | 6.5 | 11.1 |

Boldfaced numbers are within confidence interval at specific locations and combined years of yield data.

Locations

2020 — Garden City, Hugoton, KS; Bushland, TX

2021 — Hugoton, Ingalls, and Scott City, KS; Dalhart, TX

2022 — Hugoton and Ingalls, KS; Imperial, NE