

2023 South-Central Kansas, North-Central Oklahoma Summary, Three-Year Data

Syngenta Commercial Variety Wheat Performance Test, 2021-2023

| Variety | 3-Yr Combined (2021-2023) | | 2-Yr Combined (2022-2023) | | Combined (2023) | | Conway Springs, KS | Carrier, OK |
|-----------------------|------------------------------|--------------|------------------------------|--------------|--------------------|--------------|--------------------------|----------------|
| | Yield Bu/A | TWT Lb/Bu | Yield Bu/A | TWT Lb/Bu | Yield Bu/A | TWT Lb/Bu | Yield Bu/A | Yield Bu/A |
| Hard Winter Wheat | | | | | | | | |
| AP Prolific | 69.6 | 63.1 | 54.6 | 63.4 | 46.5 | 60.6 | 31.7 | 61.4 |
| AP18 AX | 68.8 | 62.2 | 51.3 | 61.9 | 38.8 | 59.0 | 23.8 | 53.8 |
| SY Wolverine | 68.1 | 62.9 | 54.0 | 63.3 | 43.9 | 59.8 | 26.0 | 61.9 |
| AP Roadrunner | 67.3 | 60.9 | 54.8 | 61.8 | 46.6 | 59.6 | 30.9 | 62.2 |
| AP EverRock | 66.4 | 62.2 | 48.8 | 62.6 | 39.4 | 59.2 | 23.4 | 55.4 |
| Bob Dole | 65.4 | 62.4 | 49.4 | 62.2 | 42.8 | 59.5 | 28.0 | 57.5 |
| SY Monument | 65.4 | 61.1 | 54.1 | 62.6 | 47.3 | 60.3 | 30.1 | 64.5 |
| AP Bigfoot | 64.9 | 63.1 | 46.6 | 62.3 | 36.7 | 59.0 | 20.8 | 52.6 |
| SY Rugged | 62.7 | 61.0 | 49.5 | 61.7 | 40.7 | 59.5 | 25.2 | 56.2 |
| SY 517 CL2 | 59.7 | 64.2 | 45.4 | 64.3 | 35.7 | 62.0 | 22.7 | 48.7 |
| SY Achieve CL2 | 58.7 | 62.9 | 45.7 | 62.9 | 41.2 | 61.1 | 28.3 | 54.2 |
| AP24 AX | | | 54.5 | 61.6 | 41.2 | 58.4 | 28.4 | 54.1 |
| AP Longjack | | | 46.7 | 59.0 | 43.9 | 56.3 | 25.9 | 61.9 |
| AP Baldy | | | 41.9 | 60.4 | 34.3 | 56.3 | 20.6 | 48.1 |
| WB4401 | 69.4 | 62.8 | 50.0 | 61.6 | 41.2 | 59.8 | 25.3 | 57.0 |
| KS Hatchett | 67.0 | 62.7 | 51.5 | 62.5 | 41.1 | 60.5 | 23.3 | 58.9 |
| WB4269 | 65.5 | 63.1 | 51.1 | 62.5 | 41.9 | 60.5 | 28.3 | 55.5 |
| Strad CL+ | | | 46.6 | 63.0 | 40.7 | 60.3 | 27.4 | 54.0 |
| Uncharted | | | 44.0 | 62.0 | 36.0 | 59.5 | 20.4 | 51.6 |
| Rockstar | | | | | 45.0 | 60.3 | 25.5 | 64.5 |
| Showdown | | | | | 44.7 | 60.9 | 31.6 | 57.7 |
| KS Providence | | | | | 43.3 | 60.3 | 29.6 | 56.9 |
| LCS Atomic AX | | | | | 42.4 | 60.8 | 27.8 | 57.0 |
| WB4523 | | | | | 41.5 | 59.7 | 28.1 | 54.9 |
| Mean General | 65.5 | 0.0 | 49.8 | 62.2 | 41.2 | 59.5 | 25.5 | 56.8 |
| LSD General (5%) EE | 4.3 | 0.0 | 4.3 | 1.1 | 6.7 | 1.3 | 2.9 | 8.1 |
| CV (Effective) | 6.0 | 1.1 | 7.4 | 1.1 | 9.0 | 1.4 | 6.9 | 8.7 |

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

Locations

2021 — Conway Springs, Partridge, and Pratt, KS; Carrier, OK

2022 — Conway Springs, and Partridge, KS; Carrier, OK

2023 — Conway Springs, KS; Carrier, OK