

2023 Western Plains Dryland 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)		Colby, KS	Julesburg, CO	Yuma, CO
	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									
AP18 AX	66.3	59.1	55.0	59.6	71.2	56.9	57.6	79.6	76.2
AP Bigfoot	66.2	61.0	54.6	61.4	67.5	59.2	50.0	79.9	72.4
SY Wolverine	63.5	60.2	51.3	60.7	63.8	57.8	48.5	70.3	72.7
SY Grit	62.2	59.0	50.2	59.0	63.8	58.4	48.7	70.4	72.4
AP Solid	61.1	60.6	49.7	61.1	63.8	58.5	47.5	68.5	75.3
AP Prolific	60.6	59.8	48.6	60.5	61.1	59.4	32.5	82.8	67.9
AP Roadrunner	60.5	57.8	48.3	58.0	62.4	57.0	48.7	70.4	68.0
SY Monument	60.0	58.6	49.1	59.1	64.7	57.3	48.8	72.8	72.6
SY 517 CL2	58.8	61.5	46.2	61.8	58.6	60.0	41.5	69.7	64.6
SY Rugged	58.3	59.6	46.5	60.1	60.2	58.2	40.7	75.8	64.0
SY Legend CL2	58.0	60.0	46.9	60.3	59.5	58.9	45.5	68.7	64.2
Langin	67.2	60.0	54.4	60.7	64.0	56.4	51.2	69.1	71.5
KS Hamilton	64.7	59.9	50.9	60.2	62.8	58.5	39.0	79.7	69.9
Crescent AX	64.6	60.6	52.9	61.0	65.4	59.0	53.3	69.2	73.8
WB-Grainfield	64.2	60.2	53.5	60.7	64.8	58.6	42.2	77.7	74.6
KS Dallas	62.1	59.9	51.1	60.1	71.7	60.2	45.7	88.8	80.7
Guardian	61.7	60.2	51.4	61.1	65.8	59.3	45.6	81.1	70.8
TAM 114	60.2	61.3	49.5	61.6	69.2	60.0	41.8	84.9	80.9
High Country			54.0	61.6	64.3	59.7	40.6	76.8	75.7
AG Golden			51.7	57.3	66.2	55.5	45.2	78.0	75.3
WB4595			50.2	61.8	63.0	60.2	43.1	76.9	69.1
Amplify SF					67.6	58.3	47.6	75.5	79.8
WB4422					64.3	58.4	43.9	81.3	67.8
TAM 115					61.7	60.9	45.5	70.8	68.8
WB4483					54.3	54.2	32.4	62.4	68.0
Mean General	62.4	59.9	51.1	60.3	64.3	58.3	44.8	75.8	72.4
LSD General (5%) EE	3.5	0.9	4.1	1.2	8.1	2.1	9.5	9.0	7.5
CV (Effective)	8.6	2.0	9.9	2.0	8.3	1.1	13.0	7.3	6.4

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

Locations

2021 — Julesburg and Yuma, CO; Goodland, Hugoton, and Scott City, KS

2022 — Crook, Julesburg, and Yuma, CO; Colby, Goodland, Ingalls, and Scott City, KS

2023 — Julesburg and Yuma, CO; Colby, KS