

2022 Western Plains Dryland 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)		Crook, CO	Julesburg, CO	Yuma, CO	Colby, KS	Goodland, KS	Ingalls, KS	Scott City, KS
	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	Yield Bu/A	Yield Bu/A	Yield Bu/A	Yield Bu/A
Hard Winter Wheat													
AP Bigfoot	64.3	60.7	65.0	61.7	49.2	62.7	53.4	36.3	43.6	58.1	46.4	55.4	51.3
AP18 AX	62.2	58.4	64.3	59.9	48.3	61.0	54.8	37.4	46.4	46.8	50.6	56.8	45.1
SY Wolverine	60.5	60.1	62.3	61.2	45.7	62.4	55.9	33.2	39.8	45.9	45.4	49.9	50.0
AP Roadrunner	59.6	57.5	59.8	58.2	43.5	58.7	50.3	33.6	38.0	38.1	41.9	57.6	45.3
AP Solid	58.2	59.8	59.6	61.3	44.0	62.4	49.7	32.7	44.9	47.7	37.8	51.5	43.5
AP Prolific	57.7	58.7	59.5	60.4	43.3	61.6	50.2	35.8	41.2	46.0	46.3	49.0	34.7
SY Grit	57.4	57.7	60.7	59.4	44.1	59.7	49.5	33.8	41.3	51.5	40.6	48.3	44.1
SY Legend CL2	56.2	59.3	56.9	60.5	41.9	61.4	52.1	34.4	40.0	41.0	38.8	49.9	37.2
SY Monument	56.0	57.8	57.9	59.3	42.6	60.4	46.9	35.6	39.2	44.1	40.7	50.1	41.7
SY Rugged	55.5	58.7	57.4	60.3	41.7	61.4	47.0	32.8	38.1	39.9	38.0	53.2	42.7
SY 517 CL2	54.8	60.4	58.0	62.1	41.3	62.9	43.6	31.2	40.5	43.7	38.9	49.5	41.7
Spur	49.2	54.0	48.3	54.3	34.0	55.0	41.4	25.1	37.4	38.5	33.5	33.9	28.4
Langin	64.2	59.6	67.4	61.1	51.0	62.5	61.0	39.0	47.7	47.0	47.9	59.3	55.1
BYRD	61.3	59.0	64.7	60.2	48.0	61.4	52.2	35.2	49.3	54.9	41.1	59.4	43.7
Canvas	60.9	58.8	62.7	60.3	47.1	61.4	52.9	34.7	41.5	58.0	45.8	47.6	49.3
WB-Grainfield	60.4	59.6	63.3	60.8	48.8	61.7	54.1	39.8	40.4	66.3	42.2	54.7	44.0
Crescent AX	60.3	59.6	64.0	61.3	48.7	62.4	57.9	35.9	45.9	45.3	47.2	60.7	47.9
LCS Valiant	59.5	59.5	59.6	60.9	43.8	61.2	54.2	39.3	41.7	44.7	31.3	47.3	48.5
KS Dallas	59.4	59.2	58.5	60.2	41.8	60.6	50.5	32.9	38.1	43.2	29.3	47.7	50.7
Guardian	59.0	59.7	59.9	60.9	45.4	62.3	49.4	33.9	41.7	38.9	46.2	52.8	55.1
WB4792	56.8	57.8	59.2	59.5	42.3	60.0	50.6	26.2	40.3	46.2	38.0	52.7	42.3
Byrd CL+	56.5	57.9	59.0	59.3	43.4	60.7	52.1	34.0	46.2	46.8	39.3	48.9	36.5
Fortify SF	56.0	59.5	57.5	60.5	41.7	61.9	52.7	33.3	43.3	44.8	35.0	45.4	37.6
WB4418	55.5	58.3	55.8	59.6	41.5	60.3	47.8	35.9	36.0	42.3	33.6	52.1	43.0
TAM 114	54.5	60.0	56.6	61.7	40.4	62.5	46.3	33.4	42.6	45.2	32.1	44.9	38.5
KS Hamilton			65.5	60.4	48.3	61.1	51.8	34.3	42.8	46.9	42.4	68.7	51.3
High Country					51.5	62.5	58.0	40.9	46.8	48.7	45.5	67.5	53.3
AG Golden					46.8	58.7	49.4	30.7	42.9	57.8	43.1	60.9	43.0
WB4595					45.5	63.0	54.7	36.0	35.9	50.7	41.3	55.8	44.2
Mean General	58.2	58.9	60.3	60.1	83.1	61.8	51.5	34.6	41.6	47.7	40.9	53.0	44.5
LSD General (5%) EE	3.1	1.1	3.6	1.2	6.2	1.5	4.7	4.5	6.2	11.5	9.9	10.4	10.5
CV (Effective)	8.9	2.8	9.1	2.5	5.1	1.6	5.6	8.0	9.2	14.7	11.9	12.1	14.5

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

Locations

2020 — Julesburg and Yuma, CO; Colby, Goodland, Hugoton, Ingalls, and Scott City, KS

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

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