

2021 Western Plains Dryland Summary, Three-Year Data

Syngenta Commercial Variety Wheat Performance Test, 2019-2021

Variety	3-Yr Combined (2019-2021)		2-Yr Combined (2020-2021)		Combined (2021)		Julesburg, CO	Yuma, CO	Goodland, KS	Hugoton, 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
Hard Winter Wheat											
AP18 AX	77.5	58.1	71.1	56.7	86.7	58.3	67.3	94.4	80.3	99.9	91.6
SY Wolverine	75.4	59.7	70.0	58.6	85.6	59.5	72.1	91.2	73.1	94.6	96.9
AP Roadrunner	74.2	58.1	69.9	56.8	82.5	57.5	66.7	91.7	71.5	97.7	85.0
SY Grit	73.0	58.0	65.9	56.5	83.8	59.1	67.1	90.7	72.9	98.2	90.2
SY Legend CL2	70.9	59.2	65.3	57.9	78.0	59.4	73.7	86.8	66.8	84.7	77.8
SY WOLF	70.4	58.3	65.1	57.3	78.4	58.6	68.9	84.6	65.3	85.1	87.9
SY Rugged	69.9	58.4	64.2	57.0	79.4	58.8	64.9	90.6	74.1	78.9	88.4
SY Monument	69.8	57.7	64.5	56.1	79.4	57.7	68.7	90.9	62.9	91.6	83.0
SY 517 CL2	68.4	60.1	63.4	58.8	81.5	61.0	65.0	90.2	72.4	87.6	92.2
AP503 CL2	66.9	59.4	62.6	58.0	81.1	60.2	71.5	91.9	65.4	93.2	83.3
Spur	64.6	54.7	58.8	53.3	68.2	53.2	65.9	90.8	55.5	75.1	53.7
AP Bigfoot			73.9	59.3	87.1	60.3	69.4	99.1	79.6	90.2	97.3
AP Solid			67.2	58.2	81.5	59.9	68.4	95.7	71.1	84.8	87.4
Langin	79.2	58.7	72.6	57.7	90.3	59.0	72.0	100.7	87.2	101.1	90.5
BYRD	75.9	58.6	69.8	57.5	88.0	58.5	75.3	97.5	76.0	104.8	86.5
Canvas	74.8	58.6	69.7	57.1	84.4	58.8	65.4	89.1	80.9	102.5	84.3
WHISTLER	73.7	55.8	65.1	54.1	79.2	55.2	73.2	89.1	69.1	101.7	63.1
Byrd CL+	73.1	57.6	64.9	56.1	80.9	57.4	71.1	93.2	73.7	87.6	79.0
WB-Grainfield	72.4	59.4	67.8	58.3	83.6	59.5	66.7	97.5	76.6	88.8	88.2
TAM 114	68.7	59.7	63.5	58.5	79.3	60.7	57.7	95.9	72.6	85.7	84.6
WB4418	68.5	57.9	64.5	56.9	75.8	58.6	62.5	91.2	68.8	77.4	79.0
KS Dallas			70.7	58.3	82.0	59.7	60.8	90.8	76.6	91.1	90.9
LCS Valiant			69.5	58.5	81.6	60.6	65.1	94.9	75.6	82.2	90.2
Crescent AX			67.6	57.9	85.5	59.8	74.2	94.3	77.6	96.5	85.0
Guardian			67.6	58.1	80.1	59.0	69.4	94.8	67.3	97.2	71.8
WB4792			65.9	56.4	82.7	58.7	67.2	90.9	73.8	91.3	90.4
Fortify SF			65.1	58.1	79.7	58.7	64.8	96.0	71.9	87.5	78.1
KS Hamilton					89.5	59.4	72.8	98.5	80.9	99.8	95.5
WB4462					79.6	59.7	73.9	97.0	68.4	76.8	81.9
WB4401					77.4	58.8	56.3	82.0	71.9	84.8	92.2
Mean General	72.0	58.3	66.9	57.3	81.3	58.4	68.1	93.0	71.4	90.3	83.6
LSD General (5%) EE	3.9	1.1	4.4	1.5	7.0	1.9	7.7	7.3	9.4	13.4	9.7
CV (Effective)	7.3	2.7	7.7	3.0	7.4	2.5	7.0	4.8	8.1	9.1	7.1

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

Locations

2019 — Colby, Goodland, and WaKeeney, KS; Crook and Yuma, CO

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

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