

2020 Western Plains Dryland Summary, Three-Year Data

Syngenta Commercial Variety Wheat Performance Test, 2018-2020

Variety	3-Yr Combined (2018-2020)		2-Yr Combined (2019-2020)		Combined (2020)		Julesburg, CO	Yuma, CO	Colby, KS	Goodland, KS	Hugoton, 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													
SY Wolverine	67.6	60	71.2	60	59.7	58	63.1	63.3	33.5	68.7	64.3	76.1	48.8
SY Wolf	64.4	58	67.6	58	57.3	56	59.9	61.7	35.1	61.4	58.8	77.0	47.3
SY Sunrise	63.8	59	67.4	59	57.9	57	62.6	65.1	33.6	65.3	55.1	74.2	49.7
SY Rugged	62.8	59	65.6	58	53.8	56	61.2	63.3	31.9	64.1	44.4	66.7	44.7
SY Monument	62.1	58	65.1	57	53.4	55	58.8	63.8	27.4	56.0	61.8	62.3	44.1
SY Grit	62.1	58	66.6	58	50.8	55	58.0	65.8	25.9	61.0	56.0	49.9	39.0
SY Legend CL²	61.7	59	67.2	59	55.8	57	64.9	62.4	35.4	60.4	61.9	62.3	43.4
Spur	59.9	56	63.4	56	53.5	54	59.0	67.7	30.3	63.8	52.8	68.5	32.7
SY 517 CL²	59.4	60	62.0	60	49.6	58	56.0	57.7	31.8	48.5	51.7	57.8	43.9
AP503 CL²	57.9	60	61.1	59	50.2	57	51.1	56.0	28.1	54.5	49.7	67.5	44.2
AP18 AX			72.2	58	58.4	55	59.5	68.4	36.0	68.7	62.5	60.3	53.6
AP Roadrunner			70.8	59	61.4	57	65.3	67.0	40.3	71.9	68.8	74.0	42.7
Langin	67.0	59	72.6	59	57.4	57	65.0	67.8	33.7	72.0	68.6	55.7	39.4
Byrd	66.1	59	69.9	59	56.1	57	61.2	58.1	31.4	62.7	69.5	65.5	44.6
Tatanka	65.5	60	68.4	59	58.2	57	60.6	66.2	35.0	65.2	54.9	79.5	45.9
WB-Grainfield	61.9	59	66.7	59	55.4	58	62.6	69.3	33.6	60.7	56.0	59.8	45.7
T-158	61.9	60	64.8	60	56.2	59	65.2	69.2	34.8	64.9	53.8	64.5	40.9
TAM 114	60.7	60	63.7	60	51.8	58	59.0	59.4	29.4	61.8	50.7	61.0	41.5
Whistler			71.7	57	56.7	54	53.0	60.2	29.0	59.7	72.5	76.8	45.3
Canvas			71.0	59	60.3	57	60.0	62.1	32.3	71.4	64.8	77.1	54.3
Byrd CL+			68.1	58	51.7	56	59.3	61.4	33.9	59.0	55.5	52.5	40.3
WB4418			65.4	58	57.0	56	57.5	68.7	31.7	65.8	62.2	69.1	44.2
KS Dallas					62.1	57	70.5	76.6	36.7	76.3	58.3	67.7	48.7
WB4595					61.0	58	63.3	66.7	32.0	66.8	62.8	81.7	53.5
Guardian					59.4	58	60.4	64.2	36.8	70.3	61.1	72.5	50.8
LCS Valiant					58.5	57	67.0	73.3	37.8	77.0	56.4	53.3	44.8
KS Western Star					56.4	59	59.7	66.3	42.2	60.5	59.8	61.4	45.0
WB4792					55.0	55	50.7	59.2	34.7	63.2	60.6	73.7	43.4
Crescent AX					55.0	57	57.8	64.5	30.6	57.2	63.4	68.3	42.8
Fortify SF					53.8	58	56.7	57.7	34.0	61.9	62.8	58.9	44.3
Mean General	62.8	59.0	67.4	58.6	56.1	56.8	60.7	65.0	33.7	63.5	58.7	65.7	45.6
LSD General (5%) EE	3.2	0.9	4.6	1.2	5.0	2.0	5.0	5.3	5.8	7.6	10.8	9.3	8.9
CV (Effective)	7.4	2.2	7.4	2.6	8.3	3.3	5.1	5.1	10.5	7.4	11.3	8.7	9.7

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

Locations

2018 — Colby, Hugoton (dry), Scott City, and WaKeeney, KS; Otis and Yuma, CO

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

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