

2018 Western Plains Summary —Syngenta Dryland Trial Results Syngenta Commercial Variety Wheat Performance Test

Variety	3-Yr Combined (2016-2018)		2-Yr Combined (2017-2018)		Combined (2018)		Otis, CO	Yuma, CO	Colby, KS	Wakeeney, 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	Yield Bu/A
Hard Winter Wheat												
SY Rugged	70.3	61	62.2	60	57.1	60	41.1	51.0	78.5	60.7	44.1	67.1
SY Monument	67.1	60	59.2	59	56.0	59	40.8	54.0	75.4	58.8	41.7	65.4
SY Wolf	67.1	60	61.2	59	57.9	59	39.5	56.8	82.5	64.4	41.1	63.4
SY Sunrise	66.7	61	60.8	60	56.7	60	34.2	52.3	79.6	57.2	45.3	71.4
SY Grit	66.4	60	57.7	59	53.0	58	36.1	51.1	81.7	48.9	41.9	58.4
AP503 CL²	66.0	62	57.6	60	51.5	60	36.4	49.4	69.0	53.1	40.9	60.3
SY Legend CL²	64.7	61	55.9	59	50.8	59	36.0	47.7	74.3	53.6	39.1	54.0
TAM 111	64.0	60	58.8	59	53.5	59	40.5	48.7	73.5	58.2	40.1	59.8
Greer	63.5	59	54.0	59	49.0	58	30.8	45.3	75.0	54.4	33.0	55.2
SY 517 CL²	62.4	61	58.1	61	54.2	60	35.5	46.9	78.3	57.6	45.1	61.6
Bob Dole					51.9	59	37.2	41.9	75.0	51.9	43.7	62.0
Spur			51.1	54	52.7	54	37.5	52.3	68.8	60.4	35.5	61.7
Byrd	69.8	60	63.7	60	58.4	59	46.3	55.1	81.5	61.8	43.0	62.9
Denali	69.2	61	61.5	59	57.2	59	41.7	55.2	83.0	52.7	46.2	64.4
Brawl CL+	68.4	62	61.2	61	57.8	61	38.4	52.7	81.9	65.7	45.6	62.8
WB-Grainfield	68.1	61	58.8	60	52.4	60	38.6	51.3	71.2	56.2	40.3	56.6
Winterhawk	68.1	61	57.7	60	52.1	60	34.7	47.6	74.4	51.5	42.5	61.8
TAM 114	67.6	62	59.8	61	54.8	60	38.6	56.4	74.6	60.1	39.5	59.7
T-158	67.1	62	61.8	60	56.0	60	40.2	52.0	77.6	58.2	43.3	64.6
LCS Mint	66.8	62	61.5	61	57.0	61	41.8	55.6	76.5	56.6	47.2	64.1
TAM 112	61.5	61	56.4	61	50.8	60	34.1	46.9	73.3	49.5	41.4	59.4
Tatanka			63.7	60	59.6	61	45.0	56.9	79.6	60.6	42.2	73.5
Avery			64.0	59	58.7	60	44.2	54.4	77.6	65.6	41.5	69.0
Langin					55.9	59	41.7	57.4	84.8	51.9	38.5	61.3
LSC Link					52.8	60	34.2	54.0	73.4	49.0	42.6	63.7
WB4721			56.1	61	51.9	61	35.2	41.6	75.3	57.5	39.2	62.6
LCS Chrome			51.3	59	46.8	59	33.4	41.9	70.8	46.2	36.9	51.9
Ruth			51.2	60	45.6	59	29.2	42.1	73.8	49.8	35.2	43.3
Mean General	67.2	61.0	59.2	60.0	54.8	59.6	38.0	50.6	77.4	58.2	42.4	62.5
LSD General (5%) EE	3.3	0.7	3.4	1.0	3.9	1.2	4.7	6.3	6.1	7.7	4.9	6.2
CV (Effective)	7.9	1.8	6.6	1.8	6.8	1.7	7.7	7.7	4.6	8.2	7.1	6.1

All sites in 2016-18 treated with Trivapro® fungicide.

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

Locations 2016 - Sidney, NE, Otis, CO, Goodland, Wakeeney, Hugoton, Manter, and Scott City, KS
2017 - Sidney and Hemmingford, NE, Hugoton, KS
2018 - Otis and Yuma, CO, Colby, Wakeeney, Hugoton, and Scott City, KS