

2019 Western Summary—Syngenta Dryland Trial Results

Syngenta Commercial Variety Wheat Performance Test

Variety	3-Yr Combined (2017-2019)		2-Yr Combined (2018-2019)		Combined (2019)		Colby (dry), KS	Goodland, KS	Wakeeny, KS	Yuma, CO	Crook, 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	Yield Bu/A	Yield Bu/A
Hard Winter Wheat											
SY Rugged	69.4	60	68.5	60	82.2	61	82.2	87.5	82.9	96.0	62.4
SY Grit	68.8	60	69.3	60	88.7	61	95.5	93.9	90.6	102.5	61.2
SY Wolf	68.7	60	68.9	60	82.0	61	83.3	88.3	82.3	92.2	63.9
SY Sunrise	67.9	61	67.6	61	80.7	62	78.9	86.6	75.0	97.1	66.0
SY Monument	67.2	60	67.6	60	81.5	61	79.7	90.5	79.7	93.5	64.2
SY 517 CL²	65.7	61	65.6	62	79.4	63	84.8	83.0	84.6	89.0	55.7
SY Legend CL²	65.6	60	65.5	60	83.2	62	88.6	82.9	87.8	94.0	62.6
AP503 CL²	64.3	61	62.8	61	76.4	62	76.6	79.7	73.5	89.6	62.6
Spur	60.4	56	63.9	57	77.3	57	66.9	76.4	86.8	91.9	64.6
SY Wolverine			72.7	61	87.4	62	87.9	101.5	85.8	94.0	67.6
AP18 AX					91.4	61	89.6	103.1	93.9	103.8	66.7
Byrd	72.8	60	72.4	60	89.2	61	87.3	102.0	95.8	95.9	65.1
Tatanka	70.5	61	70.1	61	82.7	62	95.7	88.5	84.6	79.7	64.8
LCS Mint	69.4	61	69.1	61	83.6	62	81.7	92.7	88.9	94.3	60.4
WB-Grainfield	67.3	60	66.1	60	82.5	61	86.6	93.6	85.5	87.6	59.2
T-158	67.2	61	65.5	61	76.9	62	78.7	86.4	73.1	85.9	60.3
TAM 114	67.1	61	66.4	61	80.3	62	88.5	84.1	77.1	89.8	61.9
Winterhawk	66.1	60	65.3	61	81.2	62	84.7	91.9	78.0	88.8	62.7
TAM 112	64.7	61	63.9	61	79.6	63	76.6	87.5	83.2	91.3	59.6
WB4721	63.9	62	63.8	62	78.0	63	81.8	84.4	72.0	93.4	58.3
Ruth	60.7	60	60.2	60	77.7	62	81.6	81.8	80.0	86.5	58.7
Langin			73.1	60	93.8	61	88.4	104.4	102.5	103.9	69.5
LSC Link			66.4	61	82.8	62	77.0	99.7	84.3	93.7	59.1
Whistler					92.8	60	101.8	98.7	110.9	90.3	62.1
Byrd CL+					91.1	61	88.1	98.5	94.4	106.3	68.1
Canvas					85.9	62	84.3	92.9	95.2	94.8	62.5
WB4418					77.2	60	76.2	86.4	76.2	83.1	64.4
Mean General	66.7	60.4	66.9	60.6	80.9	61.5	82.4	89.0	79.2	91.9	62.1
LSD General (5%) EE	3.4	0.7	3.8	0.8	8.7	1.2	11.5	6.2	11.0	7.9	6.3
CV (Effective)	6.8	1.5	6.9	1.5	6.7	1.6	8.6	4.3	8.6	5.3	6.2

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

Locations

2017 - Hemingford (dry) and Sydney, NE

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

2019 - Colby (dry), Goodland and WaKeeney, KS; Crook and Yuma, CO

Most sites in 2017-19 treated with Trivapro® fungicide.

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