

2019 South Dakota Summary—Syngenta Dryland Trial Results Syngenta Commercial Variety Wheat Performance Test

Variety	3-Yr Combined (2017-2019)		2-Yr Combined (2018-2019)		Combined (2019)		Agar, SD	Reliance, SD	Ideal, SD
	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
Hard Winter Wheat									
SY Wolverine	70.3	59	72.6	59.3	80.4	57.2	78.4	78.8	84.1
SY Wolf	66.1	59	69.3	58.9	75.1	56.8	73.5	78.1	73.5
SY Monument	66.0	58	69.5	58.3	77.3	56.1	72.9	79.3	79.7
SY Sunrise	64.9	59	70.8	59.0	81.4	57.9	79.8	87.9	76.7
SY Benefit	63.4	60	67.2	59.6	77.6	58.3	71.9	88.8	71.9
SY 517 CL ²	60.6	61	63.9	60.7	71.0	59.6	73.9	70.4	68.7
SY Legend CL ²	60.1	59	63.3	59.4	73.1	58.6	70.2	73.3	75.7
AP503 CL ²	55.5	60	58.9	60.1	70.5	58.9	74.8	69.8	67.0
AP18 AX					85.6	57.7	89.4	92.2	75.3
Redfield	68.5	60	73.9	59.9	85.2	58.8	85.8	89.9	79.9
Ideal	67.1	60	72.4	59.9	78.7	58.3	78.8	78.7	78.6
Wesley	66.1	59	71.9	59.3	80.5	57.7	85.2	84.2	72.0
WB-Grainfield	65.0	59	67.9	59.5	80.3	58.3	81.3	81.4	78.1
Overland	63.6	60	68.6	59.7	77.9	58.5	83.0	76.2	74.4
Lyman	60.8	60	65.9	60.0	69.3	58.5	60.8	70.1	77.1
Oahe	60.1	60	65.6	59.8	75.8	58.7	65.1	71.0	78.9
WB4614	58.9	59	60.8	58.7	68.2	57.2	68.8	79.7	68.7
Jerry	52.7	59	55.8	59.3	62.4	58.1	64.2	58.3	64.7
Keldin			71.3	59.0	82.1	57.3	78.9	86.4	81.0
WB4462					83.6	58.3	92.3	90.5	67.9
Thompson					79.6	58.5	85.7	79.1	74.0
Mean General	63.31	59.51	68.03	59.49	76.78	57.92	74.9	80.7	74.78
LSD General (5%) EE	5.83	0.93	5.46	0.96	10.21	1.41	10.9	9.5	7.66
CV (Effective)	7.37	1.36	7.19	1.41	7.57	1.50	9.0	7.2	6.31

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

Locations

2017 - Winner, SD

2018 - Reliance, Wall, and Winner, SD

2019 - Agar, Ideal and Reliance, SD

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

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