

2018 South Dakota Summary—Syngenta Trial Results Syngenta Commercial Variety Wheat Performance Test

Variety	3-Yr Combined (2016-2018)		2-Yr Combined (2017-2018)		Combined (2018)			Kennebec, SD	Wall, SD	Winner, SD
Hard Winter Wheat	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	TWT Lb/Bu	Yield Bu/A	% Variety Mean	TWT Lb/Bu	Yield Bu/A	Yield Bu/A	Yield Bu/A
SY Wolf	67.5	61.0	59.4	60.9	63.5	107	60.9	65.6	73.0	51.8
SY Monument	65.9	60.4	57.5	60.4	61.7	104	60.4	64.9	72.1	48.0
SY Sunrise	63.6	61.2	52.5	60.0	60.2	101	60.0	67.3	64.8	48.4
SY 517 CL ²	63.0	61.9	52.7	61.8	56.9	96	61.8	59.0	65.9	45.9
SY Benefit	62.8	61.6	52.8	60.8	56.8	95	60.8	58.3	67.8	44.4
SY Legend CL ²	59.8	60.6	50.4	60.1	53.5	90	60.1	55.1	63.7	41.6
AP503 CL ²	58.2	62.3	44.2	61.3	47.3	79	61.3	46.1	62.1	33.7
Ideal	67.1	62.3	58.5	61.5	66.0	111	61.5	71.2	73.3	53.5
Overland	64.9	61.3	52.9	60.9	59.4	100	60.9	60.9	70.1	47.2
Redfield	64.8	62.5	56.0	61.1	62.6	105	61.1	68.5	68.2	51.3
Wesley	64.3	61.2	55.3	60.9	63.3	106	60.9	70.0	74.8	45.0
WB-Grainfield	62.6	60.6	53.5	60.7	55.6	93	60.7	55.4	65.7	45.6
Lyman	60.4	62.0	54.4	61.5	62.4	105	61.5	63.5	71.4	52.1
WB-Matlock	59.8	62.0	50.7	61.0	57.1	96	61.0	60.7	64.7	45.7
Jerry	51.1	61.0	45.4	60.4	49.3	83	60.4	45.5	60.4	41.9
LCS Mint			52.9	62.4	58.0	97	62.4	56.3	74.4	43.3
Oahe			48.4	61.0	55.5	93	61.0	49.7	71.2	45.5
WB4614			51.9	60.1	53.4	90	60.1	63.3	58.0	38.7
Ruth					63.9	107	61.3	65.5	73.7	52.5
Keldin					60.4	101	60.6	61.4	69.1	50.7
Mean General	63.7	61.5	54.3	61.0	59.5		60.9	63.0	68.7	47.0
LSD General (5%) EE	5.5	1.2	7.4	1.0	6.0		1.1	4.8	8.3	4.5
CV (Effective)	7.6	1.7	6.8	1.0	6.3		1.1	4.7	7.4	5.9

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

Locations

2016 - Agar, Ft. Pierre, and Winner, South Dakota

2017 - Winner, South Dakota

2018 - Kennebec, Wall, and Winner, South Dakota

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