

2018 Eastern Kansas Summary —Syngenta Dryland Trial Results Syngenta Commercial Variety Wheat Performance Test

Variety	3-Yr Combined (2016-2018)		2-Yr Combined (2017-2018)		Combined (2018)		Chanute, KS	Sabetha, KS	Junction City, KS	FHB Rating
	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	Score 1-9
Hard Winter Wheat										
SY Benefit	68.8	59	60.4	57	59.9	55	81.8	61.4	36.4	4
SY Grit	66.6	57	63.5	56	61.9	54	76.7	64.3	44.8	6
SY 517 CL2	66.4	59	58.4	57	56.9	55	77.9	54.1	38.6	5*
SY Monument	66.4	57	60.8	55	59.8	53	76.0	60.6	42.8	8
SY Flint	66.3	58	61.8	57	62.7	55	85.4	58.4	44.5	7
SY Wolf	66.1	58	61.6	56	59.7	54	78.0	61.1	40.0	6
AP503 CL²	64.3	59	56.5	57	52.9	55	72.1	52.2	34.4	6
SY Rugged	62.8	56	55.9	55	52.5	52	70.2	52.7	34.7	6
SY Achieve CL²	62.7	58	55.8	56	52.8	53	70.7	55.6	32.0	5*
SY Llano	55.3	57	50.8	56	49.8	53	68.5	47.7	33.3	6*
Bob Dole					61.9	55	83.8	62.9	39.1	5*
Bentley	70.8	58	64.6	56	63.8	54	88.9	57.9	44.6	5
Gallagher	67.2	58	63.8	56	63.1	54	83.8	62.4	43.1	8
WB-CEDAR	67.0	58	61.0	56	59.5	54	86.6	57.5	34.3	8
WB4458	66.8	58	60.7	56	60.3	53	82.5	58.2	40.3	7
Smith's Gold	66.4	58	60.9	56	57.1	54	82.2	53.8	35.3	7
Everest	65.1	59	57.7	57	53.6	55	71.4	53.2	36.1	4
Larry	62.9	58	57.2	56	58.5	55	81.4	59.7	34.5	7
Doublestop CL+	61.3	59	56.2	58	58.6	56	75.9	58.2	41.9	7
WB4303			63.6	54	62.3	51	86.4	62.5	38.0	5
WB-Grainfield			63.0	56	58.4	54	81.1	56.8	37.2	7
Zenda			62.2	57	66.3	55	86.7	63.0	49.1	5*
LCS Chrome			56.6	56	57.2	55	77.3	56.0	38.2	7*
WB4269					62.2	55	83.1	60.9	42.7	6*
Mean General	65.2	58.0	60.2	56.2	60.0	54.2	80.7	60.2	39.2	
LSD General (5%) EE	4.6	1.0	5.8	1.4	6.1	2.1	6.5	5.4	6.5	
CV (Effective)	7.6	1.8	7.2	2.0	6.4	2.4	4.9	5.6	10.6	

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

Locations

2016 - Junction City, Chanute, and Sabetha, KS

2017 - Junction City, Chanute, and Sabetha, KS

2018 - Junction City, Chanute, and Sabetha, KS

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

FHB:

- 1 = Excellent
- 2 = Very Good to Excellent
- 3 = Very Good
- 4 = Very Good to Good
- 5 = Good
- 6 = Fair to Good
- 7 = Fair
- 8 = Fair to Poor
- 9 = Poor
- = Not available

* FHB infection levels in 2018 have been very low so ratings are mainly on previous years limited information.