

2019 Western Summary—Syngenta Irrigated Trial Results Syngenta Commercial Variety Wheat Performance Test

Variety	3-Yr Combined (2017-2019)		2-Yr Combined (2018-2019)		Combined (2019)		Bushland, TX	Colby (Irr), KS	Dalhart, TX	Garden City, KS	Hugoton (Irr), KS	Imperial, NE	Ingalls, 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	Yield Bu/A
Hard Winter Wheat													
SY Sunrise	95.8	60	93.5	60	94.5	60	66.0	128.2	121.7	79.9	75.1	97.0	93.3
SY Wolf	95.7	60	92.7	60	94.8	60	61.6	119.5	121.1	82.1	74.0	107.6	97.5
SY Grit	95.3	60	91.4	59	93.9	59	64.5	136.2	128.3	67.0	77.2	96.0	88.1
SY Monument	93.6	59	90.9	59	94.0	59	61.5	127.0	116.3	77.5	79.2	100.9	96.0
TAM 111	93.2	61	89.9	60	91.7	61	61.9	126.7	120.9	78.3	79.0	90.3	84.5
SY Flint	92.0	61	87.8	60	87.7	61	58.3	115.6	118.6	66.8	74.8	89.9	90.2
Nugrain	86.0	61	83.0	60	82.5	60	64.8	110.5	110.1	58.4	72.4	91.7	69.7
SY Wolverine			97.0	60	100.3	60	72.4	137.7	128.6	76.9	79.0	104.0	103.7
AP18 AX					98.8	59	73.6	142.0	131.5	67.7	83.5	104.2	89.3
SY Rugged					96.5	60	72.9	127.2	123.9	74.8	78.5	104.7	93.1
WB4303	98.9	59	94.5	58	98.8	58	68.4	138.1	128.5	84.4	73.6	101.2	97.4
TAM 114	96.0	61	92.7	60	95.1	60	67.9	125.8	123.3	78.1	80.3	96.8	93.4
WB-Grainfield	94.1	60	91.0	60	94.7	60	64.7	138.2	120.3	79.2	71.9	95.5	92.7
KanMark	93.7	60	89.7	60	91.6	60	67.0	125.1	111.8	73.6	71.6	100.2	92.1
T-158	93.0	61	89.5	60	91.8	60	66.7	123.1	125.1	68.1	77.9	96.4	85.7
TAM 304	93.0	58	88.6	57	90.8	57	68.0	118.6	120.9	75.9	70.4	100.5	80.9
WB-CEDAR	90.5	61	88.3	60	89.9	61	62.6	120.6	115.0	76.3	74.2	97.7	83.2
WB4458	88.9	61	85.6	60	85.5	60	66.1	115.0	113.2	58.4	71.4	93.4	80.8
LSC Link			88.5	60	90.7	61	67.5	130.8	104.9	83.7	68.4	90.6	88.7
Ruth			84.7	59	87.6	60	56.1	131.9	112.3	73.7	60.3	94.0	85.0
Canvas					92.5	60	72.6	116.1	127.4	77.2	72.1	97.2	84.8
Mean General	93.3	60.1	90.4	59.7	91.7	59.7	65.4	124.6	117.6	74.7	74.0	96.4	89.2
LSD General (5%) EE	3.5	0.9	4.2	1.0	6.5	1.4	5.1	13.2	12.7	10.3	5.8	11.6	7.7
CV (Effective)	6.7	2.0	6.8	2.0	6.7	2.1	4.8	6.5	6.6	8.4	4.8	7.3	5.3

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

Locations

2017 - Hemingford and Imperial, NE; Dalhart, TX

2018 - Colby (Irr), Hugoton (Irr), and Ingalls, KS; Hemingford and Imperial, NE; Dalhart, TX

2019 - Colby (Irr), Garden City, Hugoton (Irr) and Ingalls, KS; Imperial, NE; Bushland and Dalhart, TX

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

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