

K-State Thomas County, Kansas dryland spring wheat variety trial

Variety	2019	2020	2-Year Average
	Grain Yield, bu ac <sup>-1</sup>		
LCS Cannon	<b>55.9</b>	<b>23.6</b>	<b>39.8</b>
WB7589	47.7	.	
WB9590	47.4	<b>24.3</b>	35.8
WB9479	46.1	<b>21.6</b>	33.9
LCS Trigger	46.0	21.0	33.5
WB7202CLP	44.6	<b>22.5</b>	33.6
MS Barracuda	43.8	<b>22.6</b>	33.2
MS Chevelle	43.1	<b>23.5</b>	33.3
SY Valda	43.1	18.8	31.0
LCS Rebel	42.4	20.6	31.5
WB9719	41.7	<b>21.7</b>	31.7
SY Rustler	41.3	19.0	30.2
MS Camaro	40.1	<b>21.2</b>	30.6
WB7328	38.0	.	
MS Stingray	37.7	.	
WB9668	36.7	.	
SY Ingmar	.	<b>22.4</b>	
WB7696	.	<b>21.9</b>	
WB9606	.	<b>22.9</b>	
P>F	<0.0001	0.0404	<0.0001
LSD (0.05)	3.7	3.2	3.1

Yields in bold represent the top statistical group

2019 was seeded into chem-fallow

2020 was seeded into corn stalks harvested the prior fall

Table x. Spring Wheat, Colby, Kansas 2019.

Variety	Grain yield		Moisture	Test Weight	Kernel weight		Plant Height	
	Mg ha <sup>-1</sup> (bu ac <sup>-1</sup> )				mg		in	
LCS_Cannon	3.51	(56) a	11.8	59.8 a	30.7	abcd	28.8	bcd
WB7589	2.99	(48) b	10.8	54.4 g	31.7	ab	26.0	cd
WB9590	2.98	(47) b	11.2	55.0 fg	30.7	abc	27.3	bcd
WB9479	2.90	(46) bc	11.0	56.3 def	30.2	bcde	26.8	cd
LCS_Trigger	2.89	(46) bc	11.1	56.6 cdef	28.8	efg	28.8	bcd
WB7202CLP	2.80	(45) bcd	11.4	55.5 defg	28.8	ef	28.3	bcd
MS_Barracuda	2.75	(44) bcde	11.3	57.0 bcde	30.7	abcd	29.3	abcd
MS_Chevelle	2.71	(43) cde	10.9	56.1 defg	28.1	fgh	30.5	ab
SY_Valda	2.71	(43) cde	11.4	58.4 ab	29.9	cde	26.8	cd
LCS_Rebel	2.66	(42) cde	10.9	57.2 bcd	26.9	h	32.5	a
WB97179	2.62	(42) def	11.3	55.2 efg	28.5	efgh	26.5	cd
SY_Rustler	2.59	(41) def	11.4	58.5 ab	32.0	a	29.2	abc
MS_Camaro	2.52	(40) efg	11.5	58.0 bc	29.7	cde	25.5	d
WB7328	2.38	(38) fg	11.1	55.6 defg	31.0	abc	27.3	bcd
MS_Stingray	2.37	(38) g	11.9	55.9 defg	29.1	def	32.5	a
WB9668	2.30	(37) g	11.3	55.3 efg	27.3	gh	26.8	cd

LSD = 0.05

Variety	0.24	(3.7)	0.0	1.7	1.6	3.8
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ANOVA P>F

Effect

Variety	<0.0001	0.7816	<0.0001	<0.0001	0.0058
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† Letters within a column and an effect represent differences at LSD (0.05) unless noted otherwise

Planted 4/23/2019 at 1.3M seeds/ac

Harvested 7/31/2019, yields reported at 13.5% moisture

**2020 Thomas County, Kansas Dryland Spring Wheat Variety Performance Test**

Company	Variety	Grain Yield	Moisture	Test Weight	Protein	Heading Date	Seeds/Lb
		bu/ac	%	bu/ac	%	DOY	
WestBred	WB9590	<b>24.3</b> a	12.1	54.0 abcd	17.94	6/3 defg	21551 efgh
Meridian Seeds	MS Ranchero	<b>23.6</b> ab	13.1	52.9 cd	17.64	5/31 h	23366 abcd
Limagrain	LCS Cannon	<b>23.6</b> ab	12.2	55.9 ab	17.51	6/1 gh	24445 ab
Meridian Seeds	MS Chevelle	<b>23.5</b> ab	12.2	56.6 a	16.59	6/3 de	22541 cdefg
WestBred	WB9606	<b>22.9</b> ab	12.2	54.6 abc	16.93	6/4 cd	23033 abcde
Meridian Seeds	MS Barracuda	<b>22.6</b> ab	12.2	54.9 abc	17.71	6/2 efgh	21006 gh
WestBred	WB7202CL	<b>22.5</b> ab	12.0	51.7 d	17.47	6/1 fgh	24846 a
Syngenta AgriPro	SY Ingmar	<b>22.4</b> ab	12.8	55.8 ab	18.43	6/8 a	23389 abcd
WestBred	WB7696	<b>21.9</b> abc	12.0	53.3 bcd	17.94	6/2 efgh	23120 abcde
WestBred	WB9719	<b>21.7</b> abc	11.9	53.1 cd	17.68	6/5 bc	20499 h
WestBred	WB9479	<b>21.6</b> abc	12.3	53.6 bcd	18.00	6/3 de	21321 fgh
Meridian Seeds	MS Camaro	<b>21.2</b> abc	12.1	56.1 ab	17.66	6/4 cd	22089 cdefgh
Limagrain	LCS Trigger	<b>21.0</b> abc	12.0	55.2 abc	17.75	6/5 bc	22016 cdefgh
Limagrain	LCS Rebel	20.6 bc	12.4	56.4 a	19.00	6/3 defg	21809 defgh
Syngenta AgriPro	SY Rustler	19.0 c	12.2	53.2 abcd	17.36	6/3 def	23653 abc
Syngenta AgriPro	SY Valda	18.8 c	13.4	52.2 cd	17.87	6/6 ab	22774 bcdef
	P>F	<b>0.0404</b>	0.0839	<b>0.0165</b>	0.1350	<b>&lt;0.0001</b>	<b>0.0002</b>
	LSD (0.05)	3.2	NS	2.8	NS	1.5727	1737

Bold yields represent the top yield group at LSD (0.05)  
 Spring wheat was seeded into fresh (2019 crop) dryland corn stalks  
 Seeded 3/12/2020 on 10" row spacing at 1.5M live seed/acre  
 130 lb/ac N applied as UAN topdress prior to joint  
 Different letters represent statistical differences at LSD=0.05.