

Table 11. 2024 WESTERN Kansas irrigated winter wheat performance test

Brand / Name	CO ¹	GC ²	HG ³	Av.	CO	GC	HG	Av.	CO	GC	HG	Av.	CO	CO
	yield (bu/a)				% of test average				tw (lb/bu)				ht (in)	stripe rust**
AGRIPRO														
AP PROLIFIC	78.0	100.3	128.3	102.2	92.6	102.1	94.6	96.4	54.6	58.1	56.7	56.5	33.4	7.2
AP Sunbird	88.1	91.0	157.2	112.1	104.7	92.6	116.0	104.4	54.8	53.0	56.5	54.8	32.6	6.8
Roadrunner	89.3	105.0	137.1	110.5	106.1	106.8	101.2	104.7	52.8	56.8	56.1	55.2	33.6	6.2
SY Wolverine	89.1	103.9	157.8	116.9	105.8	105.7	116.4	109.3	52.6	50.3	52.9	51.9	35.0	5.8
AGSECO														
AG Golden	91.3	113.9	144.9	116.7	108.5	115.9	106.9	110.4	54.2	54.1	55.6	54.6	33.0	6.2
KWA														
KS Big Bow	86.6	111.1	156.0	117.9	102.9	113.1	115.1	110.4	53.9	57.6	57.3	56.2	36.6	4.0
KS Bill Snyder	90.2	116.4	139.0	115.2	107.2	118.5	102.5	109.4	54.7	56.8	57.6	56.4	32.8	4.8
KS Mako	83.7	100.5	142.7	109.0	99.4	102.3	105.3	102.3	54.7	57.0	57.9	56.5	33.4	4.8
KS Providence	84.9	102.5	166.9	118.1	100.8	104.3	123.1	109.4	55.1	55.6	56.6	55.8	33.4	5.2
KS Territory	87.5	90.1	141.2	106.2	103.9	91.7	104.1	99.9	54.0	54.4	57.9	55.4	34.8	5.8
LIMAGRAIN														
LCS Atomic AX	84.6	88.9	133.8	102.4	100.5	90.5	98.7	96.6	55.7	57.3	58.9	57.3	33.0	3.8
LCS Galloway AX	76.0	85.5	132.9	98.1	90.3	87.0	98.0	91.8	54.3	57.1	56.5	56.0	35.6	4.8
LCS Helix AX	88.7	119.1	153.1	120.3	105.4	121.2	113.0	113.2	55.7	58.9	58.6	57.7	33.2	6.6
LCS Julep	82.1	72.2	114.5	89.6	97.5	73.5	84.4	85.2	53.9	52.9	57.4	54.7	34.6	5.0
LCS Radar	75.1	97.2	133.1	101.8	89.2	98.9	98.2	95.4	53.9	57.6	56.7	56.0	33.0	7.0
LCS Steel AX	73.8	88.4	135.4	99.2	87.6	90.0	99.9	92.5	53.6	54.5	58.0	55.4	36.8	6.4
LCS White Lightning	75.9	94.3	90.4	86.9	90.2	96.0	66.7	84.3	52.9	55.8	56.6	55.1	34.2	5.4
OGI														
Breakthrough	79.3	87.8	127.6	98.2	94.2	89.3	94.1	92.5	55.8	54.8	57.0	55.8	34.2	3.8
PLAINSGOLD														
Canvas	93.9	105.0	152.8	117.3	111.6	106.9	112.7	110.4	54.9	56.2	58.3	56.5	32.4	5.2
CO18D297R	86.4	93.6	147.1	109.0	102.6	95.3	108.5	102.1	54.3	58.5	57.9	56.9	37.0	5.6
POLANSKY														
Golden Hawk	98.4	107.2	136.0	113.9	116.8	109.1	100.3	108.8	53.5	54.7	56.1	54.8	34.4	5.6
High Country	82.1	95.8	164.1	114.0	97.5	97.5	121.1	105.4	54.8	56.7	57.5	56.3	34.2	5.6
Rockstar	81.7	102.8	90.4	91.6	97.0	104.6	66.7	89.4	53.5	57.7	57.2	56.1	34.6	5.8
WATLEY														
TAM 115	90.9	89.4	113.5	97.9	108.0	91.0	83.8	94.2	55.8	55.8	59.3	57.0	34.0	6.0
TAM 204	87.8	93.7	116.5	99.4	104.3	95.4	86.0	95.2	55.5	57.0	58.3	56.9	32.4	6.6
WESTBRED														
WB4422	69.0	92.3	115.0	92.1	82.0	93.9	84.8	86.9	53.9	57.0	56.8	55.9	34.8	5.4
WB4523	92.4	108.6	138.6	113.2	109.7	110.5	102.3	107.5	54.4	56.6	57.3	56.1	29.8	4.4
WB4699	70.4	94.5	129.5	98.1	83.6	96.2	95.5	91.8	52.2	54.1	55.7	54.0	30.6	4.6
AVERAGE	84.2	98.2	135.6	106.0	100.0	100.0	100.0	100.0	54.3	56.0	56.7	55.6	33.8	5.5
CV (%)	5.9	9.8	10.9	--	5.9	9.8	10.9	--	1.1	2.1	2.2	--	1.2	--
LSD (0.05)*	7.2	10.3	19.0	--	8.5	10.5	14.0	--	1.0	1.9	2.8	--	1.6	--

¹CO= Colby, KS, Northwest Agricultural Research Center, Thomas County.

²GC= Garden City, KS, Southwest Agricultural Research Center, Finney County.

³HG= Hugoton, KS, farmer's field, Stevens County.

*Yields must differ by more than the LSD value to be considered statistically different.

**Stripe rust ratings provided by Erick DeWolf, KSU Plant Pathology. 1=resistant plants; 9=susceptible.

2023-2024 Season	Colby	Garden City	Hugoton
Date Planted	45218.0	10/11/2023	10/9/2023
Previous Crop	sorghum	fallow	failed wheat
Primary Tillage	reduced	conventional	no-till
Irrigated	pivot	pivot	pivot
Date Harvested	45491.0	7/5/2024	7/1/2024
Seasonal precipitation (inches)	10.7	9.7	8.9
Normal precipitation (inches)	12.9	12.8	12.2

WESTERN irrigated multi-year averages (2022-2024)

Brand / Name	-CO-		-GC-		-HG-	
	3 yr	2 yr	3 yr	3 yr	3 yr	3 yr
(bushels/acre)						
AGRIPRO						
AP PROLIFIC	68.4	92.0	87.2	119.3		
ROADRUNNER	73.6	85.3	88.4	117.8		

Table 11 continued. 2024 WESTERN Kansas irrigated winter wheat performance test**WESTERN irrigated multi-year averages (2022-2024)**

Brand / Name	-CO-	-GC-		-HG-
	3 yr	2 yr	3 yr	3 yr
	(bushels/acre)			
AGRIPRO				
SY WOLVERINE	78.7	91.0	75.4	136.8
AGSECO				
AG GOLDEN	74.3	94.7	95.3	131.8
KWA				
KS BIG BOW	--	95.1	--	--
KS BILL SNYDER	--	95.5	--	--
KS MAKO	--	84.4	--	--
KS PROVIDENCE	71.2	93.6	82.1	135.4
KS TERRITORY	--	85.2	--	--
LIMAGRAIN				
LCS ATOMIC AX	80.3	85.8	83.1	115.2
LCS GALLOWAY	--	78.4	--	--
LCS HELIX AX	72.2	96.9	95.5	141.0
LCS JULEP	64.1	70.3	57.0	112.9
LCS STEEL AX	68.4	82.6	76.4	121.3
OGI				
BREAKTHROUGH	70.1	76.8	64.2	119.3
PLAINSGOLD				
CANVAS	77.7	89.4	83.1	140.6
POLANSKY				
HIGH COUNTRY	75.5	84.4	70.3	140.3
ROCKSTAR	67.3	89.5	90.7	104.0
WATLEY				
TAM 204	70.8	78.2	76.1	105.8
WESTBRED				
WB4422	67.6	82.2	90.9	116.5
WB4523	--	91.5	--	--
WB4699	69.4	85.1	85.9	115.9
AVERAGE	71.9	86.7	81.3	123.4