

K-State Wheat Variety Demonstration Plots
 Cheyenne County
 Plot Location: 5 miles south of Wheeler and 1/4 mi west
 Cooperator: Sunny Crest Farms



Variety	Yield bu/ac	Test Weight lb/bu	Moisture %	Protein %	Yield			
					2018	2017	3 year avg	
Langin	Colorado State	90.3	62.0	9.4	10.9	44.3	88.8	74.5
LCS Fusion	LimaGrain	84.2	61.9	9.2	10.9	-	-	-
Byrd	Colorado State	83.1	62.7	9.5	11.1	44.8	90.3	72.7
Canvas	Colorado State	81.9	63.7	9.5	11.8	-	-	-
Antero	white Colorado State	81.5	62.9	10.0	10.9	41.4	90.5	71.1
Langin + TAM 114	blend	80.8	62.8	9.7	11.4	-	-	-
Avery	Colorado State	80.2	63.1	9.5	11.1	48.1	96.2	74.8
WB Keldin	WestBred	78.1	63.6	9.8	11.5	-	-	-
WB4462	WestBred	77.8	62.7	9.3	12.9	40.8	71.1	63.2
Avery + WB Grainfielc	blend	77.6	62.3	9.9	11.4	-	-	-
Brawl CL +	Colorado State	77.2	62.9	9.3	12.6	41.5	71.8	63.5
TAM 114	Agseco	76.3	64.1	9.4	11.7	43.8	70.5	63.5
Joe	white K-State	76.1	63.2	9.9	11.2	44.1	65.5	61.9
WB Grainfield	WestBred	75.6	62.4	9.5	11.8	50.1	70.8	65.5
WB 4483	solid stem WestBred	73.1	62.2	9.7	11.8	38	45.7	52.3
WB 4418	semi-solid WestBred	73.0	62.6	9.6	11.7	58.8	83.1	71.6
LCS Link	LimaGrain	72.2	63.9	9.6	11.8	43.7	-	-
Tatanka	K-State	71.5	63.8	9.6	11.5	37.7	77	62.1
LCS Mint	LimaGrain	71.3	64.0	9.7	11.4	44.4	74.2	63.3
Winterhawk	WestBred	70.0	63.3	9.6	12.0	41.4	70.7	60.7
LCS Chrome	LimaGrain	67.1	62.9	9.5	12.7	37.8	71.9	58.9
WB4721	WestBred	63.3	64.1	9.4	13.2	76.1	79.2	72.9
T-158	LimaGrain	62.3	62.8	9.4	11.8	44.5	74.5	60.4
Oakley CL	K-State	61.9	63.9	9.4	12.8	45.7	44.9	50.8
Average		75.3	63.1	9.6	11.7	42.6	76.1	

Drilled: 9/27/18
 62 lbs at 1.5" depth
 drilled into moderate moisture

Fertility: 60N - 20 P
 Herbicide: herbicide was applied at topdress time

Fungicide: trebuconazol was applied when stripe rust was just appearing
 on one leaf below the flag leaf

Harvest: 7/22/19

Thank you to Yonkey Farms for harvesting the wheat plot
 Solid and semi-solid stemmed varieties may be useful in the fight against wheat stem sawfly (currently found in NE Colorado)
 All yields are adjusted to 13% moisture.

This data is from demonstration plots. It should be used with replicated performance test data for variety selection.
 Syngenta/AgriPro variety yields are not included in these results, per AgriPro's request.

Please contact Jeanne Falk Jones, K-State Agronomist at (785) 443-3403 or jfalkjones@ksu.edu with questions.

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Overview of the plot:

- In general, the stand in the wheat plot was a little thin. Although spring tillers helped thicken the stand.
- Prolonged cool and damp conditions aided grain fill. It likely also favored the later varieties (as shown with the solid-stemmed variety yielding similar to the adapted hollow stem varieties).