Kimball County Rainfed
2021 Winter Wheat Variety Trial

Name	Company	Yield (bu/ac)[1]	Test Weight (lb/bu)	Protein (%)[2]	Plant Height (in)	Seed Weight (seeds/lb)
SY Wolverine	AgriPro-Syngenta	97.1	63.1	9.8	32.4	14073
Whistler	PlainsGold	93.5	61.5	9.5	36.5	14348
NE17441	UNL-Experimental	93.1	61.4	9.6	35.7	13622
AP Solid (NP 1300500 #49)	AgriPro-Syngenta	89.8	61.5	10.9	33.9	14114
CP7909	CROPLAN by WinfieldUnited	89.8	59.9	8.8	35.5	14339
LCS Atomic AX	Limagrain Cereal Seeds	89.0	61.6	9.6	33.6	12557
WB4595	WestBred	86.8	63.1	9.6	36.0	14280
AP Bigfoot (10BC329-17-5)	AgriPro-Syngenta	86.7	62.0	10.3	35.9	16738
MS Maverick	Meridian Seeds	86.7	63.2	9.3	34.0	13746
NW13493	UNL-Experimental	86.4	61.2	9.6	38.8	13601
NE16562	UNL-Experimental	86.2	60.1	9.7	36.1	13483
LCS Link	Limagrain Cereal Seeds	85.3	62.1	9.8	34.5	12703
WB-Grainfield	WestBred	84.6	61.4	9.9	35.9	13701
MS Iceman	Meridian Seeds	83.1	62.4	10.4	33.3	16127
AP Roadrunner	AgriPro-Syngenta	82.8	62.2	10.5	33.3	14955
AP 18AX	AgriPro-Syngenta	82.6	60.3	9.2	34.6	14470
WB4309	WestBred	82.4	62.3	9.7	36.5	14833
CP7017AX	CROPLAN by WinfieldUnited	82.4	61.6	9.6	33.3	15280
Crescent AX	PlainsGold	82.0	61.5	9.4	32.6	13167
Spur	AgriPro-Syngenta	81.9	59.8	9.7	33.9	14820
Infinity CL	Husker Genetics	81.7	60.9	9.7	36.0	14184
Overland	Husker Genetics	81.4	60.8	10.2	37.5	14204
WB4792	WestBred	80.6	60.9	9.5	34.6	14480
LCS Helix AX	Limagrain Cereal Seeds	80.4	61.4	10.0	33.8	14708
NE17544	UNL-Experimental	80.4	61.7	10.7	37.3	13467
KS Hamilton	Kansas Wheat Alliance	80.4	62.1	9.0	31.7	13454
LCS Valiant	Limagrain Cereal Seeds	79.6	62.2	10.1	33.6	13165
Guardian	PlainsGold	79.0	62.2	10.1	35.1	14984

[1] Yield values corrected to 12% moisture and 60 lb/bu test weight.
[2] Protein corrected to 14% moisture, the correction factor used in analytical standards.

Fortify SF	PlainsGold	78.8	61.4	9.7	35.1	16488
NE15624	UNL-Experimental	78.2	62.1	10.3	34.4	14745
Ruth	Husker Genetics	78.1	61.4	11.0	34.9	14206
CP7010	CROPLAN by WinfieldUnited	77.5	62.7	10.4	34.7	14572
WB4418	WestBred	77.4	59.6	10.4	35.5	16366
Freeman	Husker Genetics	77.1	59.9	9.6	34.7	13347
CP7050AX	CROPLAN by WinfieldUnited	76.3	63.0	10.4	38.7	15204
NHH17612	UNL-Experimental	75.6	61.0	10.6	34.0	16854
NHH17450	UNL-Experimental	75.6	62.1	10.2	35.8	15382
Settler CL	NuPride Genetics	75.2	61.4	9.8	38.0	13834
SY Legend CL2	AgriPro-Syngenta	74.4	62.6	9.9	32.8	13171
NE14696	UNL-Experimental	74.3	61.2	10.3	38.9	14661
NE17443	UNL-Experimental	74.0	62.7	10.1	34.5	14066
Panhandle	Husker Genetics	73.4	60.8	10.6	39.2	13833
Robidoux	Husker Genetics	72.5	62.0	10.4	34.5	14354
Pronghorn	Husker Genetics	71.5	62.1	10.2	41.4	14364
Wesley	Husker Genetics	71.5	61.4	10.9	34.9	12946
WB4462	WestBred	69.2	61.6	9.9	39.6	11840
Scout 66	Check	66.5	61.8	10.3	39.8	13493
Goodstreak	Husker Genetics	66.3	61.8	11.4	37.7	14560
LCS Photon AX	Limagrain Cereal Seeds	65.4	61.1	11.2	37.5	15397
Turkey	Check	59.9	61.3	10.4	42.1	15095
WB4483	WestBred	59.2	62.2	9.9	33.3	15313
	Standard Error	7.0	0.6	0.5	1.9	317
	LSD[3]	11.6	1.0	0.8	3.1	533
	Mean[4]	79.4	61.6	10.0	35.6	14330
	CV[5]	8.8	1.0	4.6	5.2	2.2
	Reps	4	4	2	4	2

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[3] For differences between varieties that are equal to or greater than the LSD value, the chance that the difference is significant is 90%.

[4] Mean performance of all entries in the trial.

[5] Coefficient of Variation (CV) indicates the quality of a trial, and lower than 15 indicates a high quality trial. For CV>15, there was higher than expected variability in the field or the data and the results should be used with caution.

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SITE INFORMATION

Collaborator:	Travis Freeburg/Chad Bomberger; Pine Bluffs, WY
Planting Date:	September 14 2020
Seeding Rate:	900,000 seeds/acre
Harvest Date:	July 20, 2021
Fertility:	40 lbs/a 40 rock at planting
Herbicide/Fungicides:	
Soil Type:	Satanta-Altvan complex and Satanta fine sandy loam
GPS:	41.407482, -103.9845379
Notes:	Planted into minimal till fallowed corn stubble; moderately dry at planting, but fall rains after planting helped with stand.

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