

2015 Irrigated Winter Wheat Variety Performance Trial at Haxtun

Variety	Brand/Source	Yield	Test Weight	Plant Height
		bu/ac	lb/bu	in
CO11D446	Colorado State Univ. exp.	72.3	57.3	35
Sunshine	PlainsGold	71.2	54.8	36
CO11D1767	Colorado State Univ. exp.	70.8	54.6	37
WB-Cedar	WestBred Monsanto	67.5	57.5	29
SY Sunrise	AgriPro Syngenta	66.3	53.7	33
LCS Pistol	Limagrain	65.5	53.0	35
TAM 114	Adaptive Genetics	65.5	53.8	37
SY Wolf	AgriPro Syngenta	65.4	51.9	32
Denali	PlainsGold	59.8	55.2	40
Antero	PlainsGold	59.4	52.2	37
CO11D1353	Colorado State Univ. exp.	57.6	52.8	37
Oakley CL	Kansas Wheat Alliance	55.1	52.1	36
Byrd	PlainsGold	55.1	53.6	36
CO11D1236	Colorado State Univ. exp.	52.2	52.2	38
T158	Limagrain	51.8	52.1	33
CO11D1539	Colorado State Univ. exp.	50.7	50.3	36
CO11D174	Colorado State Univ. exp.	50.6	52.7	37
CO11D1306W	Colorado State Univ. exp.	50.0	53.1	36
LCH13DH-5-59	Limagrain exp.	49.7	53.0	38
KanMark	Kansas Wheat Alliance	49.1	55.2	32
Hatcher	PlainsGold	47.4	53.2	34
Cowboy	Crop Res. Found. of WY	46.0	51.7	36
Brawl CL Plus	PlainsGold	45.1	53.5	34
Thunder CL	PlainsGold	42.5	52.3	37
Yuma	Colorado State Univ.	41.3	51.2	35
Iba	Oklahoma Genetics	41.1	48.2	36
CO11D1397	Colorado State Univ. exp.	38.0	51.7	33
CO11D1298	Colorado State Univ. exp.	34.4	45.7	38
NSA10-7208	Limagrain exp.	34.2	46.3	28
CO11D1174	Colorado State Univ. exp.	33.7	46.1	35
LCS Mint	Limagrain	33.6	51.1	37
CO11D1316W	Colorado State Univ. exp.	26.3	47.7	37
Average		51.5	52.2	35
^a LSD (P<0.30)		4.9		

^aIf the difference between two variety yields equals or exceeds the LSD value then they are significantly different with less than 30% probability that the difference is due to random error.

Site Information

Cooperator: Steve Boerner
Harvest date: July 20, 2015
Planting date: October 16, 2014
Fertilizer: Pre-Plant: N at 125 lb/ac, P at 16 lb/ac, S at 4 lb/ac, and Zn at 0.4 lb/ac; Starter: N at 8 lb/ac and P at 28 lb/ac; Spring (April): N at 20 lb/ac and S at 3.6 lb/ac; there was 40-165 lb residual N/ac following the corn crop
Herbicide: Harmony Extra XP applied at 0.6 oz/ac, 2,4-D LV6 at 6 oz/ac, and Banvel at 4 oz/ac
Fungicide: Twinline applied at 9 oz/ac in mid-to-late April
General Comments: The field was worked several times to break up corn stalks. Very late date of planting. Rough planting surface due to corn residue. Erratic plant emergence, much less than what was desired for irrigated wheat. Significant winter kill from the weather change in Nov (from 70°F to -10°F in one day!) and subsequent freezing events during the winter. Fungicide application was made relatively early (mid-to-late April) and significant stripe rust was apparent on susceptible entries by early to mid-June.

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