

## 2015 Dryland Winter Wheat Variety Performance Trial at Orchard

Variety	Brand/Source	Yield	Test Weight	Stripe Rust	Plant
					Height
		bu/ac	lb/bu	score (1-9) <sup>a</sup>	in
NE10589	Univ. of Nebraska exp.	122.1	61.7	2	41
Antero	PlainsGold	120.8	60.5	2	40
CO11D1767	Colorado State Univ. exp.	118.0	59.9	1	37
LCS Mint	Limagrain	117.2	61.1	3	43
KS11HW39-5-4	Kansas State Univ. exp.	114.3	60.9	1	40
CO11D1539	Colorado State Univ. exp.	111.3	60.7	2	40
SY Monument	AgriPro Syngenta	110.9	60.6	2	40
Oakley CL	Kansas Wheat Alliance	109.5	61.7	1	38
Winterhawk	WestBred Monsanto	109.1	61.9	3	41
CO11D1298	Colorado State Univ. exp.	108.9	61.3	4	39
CO11D1236	Colorado State Univ. exp.	108.5	62.4	8	40
CO11D1306W	Colorado State Univ. exp.	108.0	62.0	2	37
Denali	PlainsGold	107.8	61.6	8	40
CO11D174	Colorado State Univ. exp.	107.1	61.3	5	41
MTS1024	Montana State Univ. exp.	106.7	57.6	3	40
Settler CL	Husker Genetics	104.1	61.6	6	39
Byrd	PlainsGold	104.1	61.8	7	39
Ripper	PlainsGold	103.8	60.1	8	37
KanMark	Kansas Wheat Alliance	102.9	61.4	4	33
SY Wolf	AgriPro Syngenta	102.8	59.8	2	41
Cowboy	Crop Res. Found. of WY	102.5	60.0	6	38
Sunshine	PlainsGold	101.3	60.9	4	39
LCH13DH-5-59	Limagrain exp.	101.2	61.0	6	42
TAM 204	Watley Seed	99.2	59.4	2	36
Snowmass	PlainsGold	98.3	62.2	8	43
CO11D1316W	Colorado State Univ. exp.	98.1	60.3	5	38
TAM 112	Watley Seed	97.5	63.0	4	40
Above	PlainsGold	97.4	60.8	5	39
WB-Grainfield	WestBred Monsanto	96.9	62.5	2	43
Gallagher	Oklahoma Genetics	94.5	60.9	3	37
Hatcher	PlainsGold	93.9	59.6	3	41
Bearpaw	Montana State Univ.	93.3	58.8	5	39
CO11D1353	Colorado State Univ. exp.	93.2	62.2	4	39
CO11D1174	Colorado State Univ. exp.	93.1	61.3	7	37
CO11D1397	Colorado State Univ. exp.	92.7	63.2	7	36
Akron	Colorado State Univ.	92.5	61.8	7	41
TAM 114	Adaptive Genetics	92.4	62.2	2	40
CO11D446	Colorado State Univ. exp.	87.5	60.3	2	36
Brawl CL Plus	PlainsGold	87.2	62.2	5	39
Iba	Oklahoma Genetics	87.1	61.9	5	35
Prairie Red	PlainsGold	85.3	61.5	6	39
T158	Limagrain	82.5	60.8	2	40
TAM 113	AGSECO	81.9	61.1	3	38
LCS Pistol	Limagrain	79.1	60.8	3	40
<b>Average</b>		<b>100.6</b>	<b>61.1</b>	<b>4</b>	<b>39</b>
	<sup>b</sup> LSD (P<0.30)	9.2			

<sup>a</sup>Stripe rust score: 1 equals no stripe rust and 9 equals severe stripe rust infection.

<sup>b</sup>If 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: Cary and Todd Wickstrom  
 Harvest date: July 27, 2015  
 Planting date: September 23, 2014  
 Fertilizer: N at 35 lb/ac; Starter: N at 8 lb/ac and P at 28 lb/ac  
 Herbicide: None  
 Pesticide: Fungicide applied on May 22 to help control stripe rust.  
 General Comments: Poor emergence in some plots that persisted throughout the season. Good soil moisture in January. Approximately 14 inches of rainfall in spring. A stripe rust infection observed on May 18 was severe by May 28, leading to loss of up to 80% of the flag leaf of some varieties. Bad infestation of wheat stem sawfly causing extensive lodging and broken stems in much of the trial.

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