

## 2015 Dryland Winter Wheat Variety Performance Trial at Roggen

Variety	Brand/Source	Yield	Test Weight	Stripe Rust	Plant Height
		bu/ac	lb/bu	score (1-9) <sup>a</sup>	in
KS11HW39-5-4	Kansas State Univ. exp.	89.2	61.9	1	39
CO11D1767	Colorado State Univ. exp.	83.7	61.1	1	40
SY Monument	AgriPro Syngenta	76.5	60.4	1	38
CO11D1353	Colorado State Univ. exp.	73.6	60.2	7	36
Oakley CL	Kansas Wheat Alliance	73.5	61.5	1	36
CO11D1306W	Colorado State Univ. exp.	70.8	62.3	7	37
CO11D1298	Colorado State Univ. exp.	70.5	59.6	6	38
SY Wolf	AgriPro Syngenta	69.2	61.2	2	38
Denali	PlainsGold	67.1	60.3	9	39
CO11D1236	Colorado State Univ. exp.	65.7	62.4	8	39
Cowboy	Crop Res. Found. of WY	65.3	59.9	9	35
TAM 113	AGSECO	63.7	61.1	2	38
TAM 204	Watley Seed	63.5	57.8	2	36
Antero	PlainsGold	63.2	60.4	2	39
CO11D1539	Colorado State Univ. exp.	63.1	60.2	4	39
LCS Mint	Limagrain	63.0	60.7	3	43
CO11D1316W	Colorado State Univ. exp.	62.3	59.9	8	40
MTS1024	Montana State Univ. exp.	62.2	61.1	4	38
WB-Grainfield	WestBred Monsanto	58.7	62.2	1	41
Winterhawk	WestBred Monsanto	56.7	61.9	4	36
TAM 114	Adaptive Genetics	55.9	60.4	2	38
KanMark	Kansas Wheat Alliance	55.7	60.8	7	33
CO11D174	Colorado State Univ. exp.	53.6	58.8	8	38
NE10589	Univ. of Nebraska exp.	53.4	61.2	2	39
CO11D1397	Colorado State Univ. exp.	53.2	60.1	9	34
Iba	Oklahoma Genetics	52.4	61.8	7	35
LCH13DH-5-59	Limagrain exp.	50.1	60.3	8	41
Hatcher	PlainsGold	48.4	61.0	6	38
LCS Pistol	Limagrain	47.8	59.7	8	38
T158	Limagrain	43.6	58.2	2	40
Snowmass	PlainsGold	43.6	57.7	9	36
Byrd	PlainsGold	43.1	60.5	7	37
Settler CL	Husker Genetics	40.2	57.6	7	36
Gallagher	Oklahoma Genetics	38.9	59.9	5	31
Akron	Colorado State Univ.	38.4	58.9	9	38
CO11D446	Colorado State Univ. exp.	37.9	59.7	4	38
Sunshine	PlainsGold	35.3	57.8	4	34
Above	PlainsGold	35.1	57.6	8	37
TAM 112	Watley Seed	29.5	61.4	8	35
Prairie Red	PlainsGold	29.1	55.2	8	33
Brawl CL Plus	PlainsGold	26.8	58.6	6	37
Bearpaw	Montana State Univ.	26.1	57.4	8	37
CO11D1174	Colorado State Univ. exp.	24.5	55.9	9	36
Ripper	PlainsGold	24.0	55.0	9	32
<b>Average</b>		<b>53.4</b>	<b>59.8</b>	<b>6</b>	<b>37</b>
	<sup>b</sup> LSD (P<0.30)	4.6			

<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: Cooksey Farms  
 Harvest date: July 16, 2015  
 Planting date: September 23, 2014  
 Fertilizer: N at 35 lb/ac and S at 2 lb/ac; Starter: N at 8 lb/ac and P at 28 lb/ac  
 Herbicide: Salvo and Starane  
 Pesticide: Fungicide and some insecticide applied May 16. Twinline applied at 7 oz/ac  
 General Comments: Good planting conditions followed by a shower. Good winter survival of all entries, even the ones that showed injury elsewhere. April 8, wheat was lush but needing moisture. There was severe spring freeze damage from the May 9/May 10 freeze in earlier varieties. A few Russian Wheat Aphids found. On May 26, wheat was wet, mostly headed, with epidemic stripe rust levels even though trial had been sprayed. Some entries had no flag leaf left. A spectacular 12 ½ inches of rain from third week in April through the end of May.

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