

## 2015 Irrigated Winter Wheat Variety Performance Trial at Fort Collins

Variety	Brand/Source	Test		Spring Freeze			Heading days from trial avg <sup>b</sup>	Plant Height in
		Yield bu/ac	Weight lb/bu	Stripe Rust score (1-9) <sup>a</sup>	Damage score (1-9) <sup>a</sup>	Lodging score (1-9) <sup>a</sup>		
CO11D1306W	Colorado State Univ. exp.	114.5	62.3	4	1	4	3	38
CO11D1298	Colorado State Univ. exp.	110.0	61.1	5	2	7	4	38
LCS Mint	Limagrain	109.6	61.8	4	2	3	1	38
Denali	PlainsGold	108.5	61.9	6	1	5	3	37
NSA10-7208	Limagrain exp.	108.1	54.7	2	1	1	2	32
CO11D1236	Colorado State Univ. exp.	103.0	60.5	5	2	8	0	39
CO11D1316W	Colorado State Univ. exp.	102.0	60.4	4	1	8	4	39
Antero	PlainsGold	99.5	60.5	3	3	6	0	39
SY Wolf	AgriPro Syngenta	99.4	59.4	3	2	5	2	36
Cowboy	Crop Res. Found. of WY	99.0	60.6	5	1	7	3	35
LCH13DH-5-59	Limagrain exp.	96.9	60.8	5	1	5	4	40
CO11D174	Colorado State Univ. exp.	96.6	60.0	4	1	7	-3	38
CO11D1353	Colorado State Univ. exp.	96.0	58.8	3	1	9	1	37
SY Sunrise	AgriPro Syngenta	94.1	61.3	2	1	1	2	33
Oakley CL	Kansas Wheat Alliance	91.4	60.5	3	2	6	2	38
CO11D1767	Colorado State Univ. exp.	86.2	59.4	2	1	5	3	35
Iba	Oklahoma Genetics	85.0	58.1	4	4	4	0	36
KanMark	Kansas Wheat Alliance	84.2	58.7	3	4	4	0	33
CO11D1539	Colorado State Univ. exp.	84.2	58.1	4	5	7	-1	35
TAM 114	Adaptive Genetics	83.3	59.9	3	6	4	-3	36
CO11D1397	Colorado State Univ. exp.	82.3	59.6	5	2	7	1	34
Hatcher	PlainsGold	82.2	58.8	4	3	6	1	37
Byrd	PlainsGold	79.5	59.0	6	6	5	-2	37
CO11D446	Colorado State Univ. exp.	76.7	57.0	3	8	4	-5	35
Brawl CL Plus	PlainsGold	73.3	59.6	5	5	1	-2	34
Thunder CL	PlainsGold	72.7	60.4	3	5	1	-3	37
WB-Cedar	WestBred Monsanto	71.4	55.9	3	7	1	-9	31
LCS Pistol	Limagrain	70.8	58.7	4	5	4	-5	36
T158	Limagrain	62.8	57.4	4	7	4	-3	35
CO11D1174	Colorado State Univ. exp.	60.6	55.6	8	8	2	-3	37
Yuma	Colorado State Univ.	60.2	55.7	7	6	4	-2	35
Sunshine	PlainsGold	57.6	57.0	6	7	1	-5	32
<b>Average</b>		<b>87.5</b>	<b>59.2</b>	<b>4</b>	<b>3</b>	<b>5</b>	<b>May 25, 2015</b>	<b>36</b>
°LSD (P<0.30)		5.3						

<sup>a</sup>Stripe Rust, Spring Freeze Damage, and Lodging scores: 1 equals excellent disease resistance, no freeze damage, or no lodging and 9 equals poor resistance, severe freeze damage, or severe lodging.

<sup>b</sup>Varieties with positive values headed later than trial average and varieties with negative values headed earlier than the trial average.

<sup>c</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

Cooperators: CSU Wheat Improvement Team and the Agricultural Research, Development and Education Center (ARDEC)  
 Harvest date: July 22, 2015  
 Planting date: September 22, 2014  
 Fertilizer: Pre-Plant: N at 50 lb/ac; Starter: N at 6 lb/ac and P at 20 lb/ac  
 Herbicide: Harmony Extra applied prior to jointing  
 General Comments: Severe spring freeze damage occurred in early May which devastated early maturing varieties. Stripe rust was significant but not as bad as serious stripe rust infections at Akron or Burlington. No fungicide was applied. Russian wheat aphid infestation was significant in the spring and trials were sprayed with insecticide in early May.

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