

2016 Dryland Winter Wheat Variety Performance Trial at Arapahoe

Variety	Brand/Source	Yield	Test Weight	Plant Height	Stripe Rust
		bu/ac	lb/bu	in	score (1-9) ^a
CO11D446	Colorado State Univ. exp.	110.2	57.2	33	2
CO11D1236	Colorado State Univ. exp.	102.3	56.7	38	6
Antero	PlainsGold	98.3	56.0	34	2
Hatcher	PlainsGold	97.9	54.4	32	5
LCS Mint	Limagrain Cereal Seeds	96.4	56.5	33	4
TAM 114	AGSECO	96.4	60.3	34	2
CO11D1767	Colorado State Univ. exp.	96.0	56.0	34	1
SY Monument	AgriPro Syngenta	95.5	56.3	34	2
Joe	Kansas Wheat Alliance	95.4	56.4	34	1
CO12D2011	Colorado State Univ. exp.	95.2	58.4	36	3
CO11D1397	Colorado State Univ. exp.	94.4	57.6	29	7
Byrd	PlainsGold	94.2	56.8	35	6
Cowboy	Crop Res. Found. of Wyoming	94.1	55.3	29	8
CO12D2010	Colorado State Univ. exp.	93.8	53.2	34	3
TAM 204	Watley Seed	93.2	51.3	34	2
Avery	PlainsGold	93.0	57.3	35	7
WB-Grainfield	WestBred Monsanto	92.9	58.0	34	3
CO11D1312	Colorado State Univ. exp.	92.2	56.7	34	8
CO11D1306W	Colorado State Univ. exp.	91.9	58.9	36	7
Ripper	PlainsGold	91.5	56.4	33	8
CO11D1539	Colorado State Univ. exp.	91.3	54.7	37	3
Brawl CL Plus	PlainsGold	91.1	51.8	36	4
MTS1024	Montana State Univ. exp.	90.3	54.8	31	2
Ruth	Husker Genetics	90.0	58.4	35	3
CO11D421	Colorado State Univ. exp.	89.9	56.2	30	4
LCH13NEDH-14-69	Limagrain Cereal Seeds	89.9	58.3	32	2
SY Sunrise	AgriPro Syngenta	89.7	58.0	34	2
Snowmass	PlainsGold	89.0	58.1	36	8
Denali	PlainsGold	87.9	59.0	37	8
WB4721	WestBred Monsanto	87.4	59.4	34	2
KanMark	Kansas Wheat Alliance	86.7	56.1	33	4
Akron	Colorado State University	86.2	52.9	35	8
Sunshine	PlainsGold	85.3	55.4	36	7
Settler CL	Husker Genetics	84.8	56.7	35	8
CO14A065	Colorado State Univ. exp.	84.5	51.9	31	5
CO12D906	Colorado State Univ. exp.	84.2	56.8	37	5
CO12D1028	Colorado State Univ. exp.	84.0	54.4	35	7
LCS Chrome	Limagrain Cereal Seeds	83.2	56.0	33	2
LCH13-032	Limagrain Cereal Seeds	83.1	59.6	34	3
Oakley CL	Kansas Wheat Alliance	81.9	57.7	32	1
Winterhawk	WestBred Monsanto	80.9	59.1	35	4
SY Wolf	AgriPro Syngenta	78.7	50.8	33	3
Prairie Red	PlainsGold	77.6	56.0	34	8
Doublestop CL Plus	Oklahoma Genetics	76.5	57.0	35	4
CO14A058	Colorado State Univ. exp.	72.4	49.6	32	6
CO12D922	Colorado State Univ. exp.	70.0	56.2	35	7
Average		89.4	56.2	34	4
^b LSD (P<0.30)		6.2			

^aStripe rust score: 1 means no stripe rust and 9 means severe stripe rust infection.

^bIf 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: Dennis & Matt Campbell
 Harvest date: July 7, 2016
 Planting date: September 16, 2015
 Fertilizer: Starter: N at 8 lb/ac and P at 28 lb/ac; N at 25 lb/ac applied in March
 Herbicide: Ally at 0.1 oz/ac in March
 Stripe Rust: Trace levels of stripe rust in early May, but levels were very high by early June. Applied tebuconazole on June 1.
 General Comments: Trial planted 2" deep behind shovels into moisture. Stands were very good. Lush early spring growth, trial was showing drought stress symptoms by early April. Plants showed severe terminal drought stress by June 8.

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