

2015 Dryland Winter Wheat Variety Performance Trial at Akron

Variety	Brand/Source	Yield bu/ac	Test		Plant	Winter Survival score (1-9) ^b
			Weight lb/bu	Stripe Rust score (1-9) ^a	Height in	
KS11HW39-5-4	Kansas State Univ. exp.	90.2	63.3	1	38	3
CO11D1767	Colorado State Univ. exp.	81.5	58.5	1	37	2
SY Monument	AgriPro Syngenta	75.3	60.6	1	34	2
Oakley CL	Kansas Wheat Alliance	75.0	59.1	2	34	6
Antero	PlainsGold	71.5	58.3	2	39	3
TAM 114	Adaptive Genetics	68.5	60.5	2	38	3
CO11D1306W	Colorado State Univ. exp.	65.9	60.9	7	39	3
CO11D1236	Colorado State Univ. exp.	65.2	57.8	7	38	2
NE10589	Univ. of Nebraska exp.	64.5	62.2	2	37	3
CO11D1539	Colorado State Univ. exp.	59.4	59.1	2	40	3
WB-Grainfield	WestBred Monsanto	58.4	58.8	2	37	8
Denali	PlainsGold	57.6	59.2	8	42	2
SY Wolf	AgriPro Syngenta	54.6	54.9	3	36	6
TAM 204	Watley Seed	53.4	54.6	2	32	7
CO11D1298	Colorado State Univ. exp.	52.1	54.9	6	38	4
LCS Pistol	Limagrain	51.3	58.3	6	37	4
LCS Mint	Limagrain	45.6	57.4	4	38	7
Winterhawk	WestBred Monsanto	44.1	56.7	4	36	6
T158	Limagrain	43.5	59.7	2	35	4
Cowboy	Crop Res. Found. of WY	42.4	55.2	9	36	5
Gallagher	Oklahoma Genetics	41.0	52.3	4	33	8
MTS1024	Montana State Univ. exp.	40.1	50.9	6	37	4
TAM 113	AGSECO	39.3	54.2	6	38	9
Hatcher	PlainsGold	39.0	52.2	4	37	7
LCH13DH-5-59	Limagrain exp.	38.6	53.2	8	38	3
Sunshine	PlainsGold	38.2	57.7	4	38	3
CO11D1353	Colorado State Univ. exp.	38.0	49.7	7	37	6
KanMark	Kansas Wheat Alliance	36.2	56.6	7	33	5
Snowmass	PlainsGold	35.6	52.5	8	41	3
CO11D174	Colorado State Univ. exp.	34.6	51.8	8	41	3
CO11D446	Colorado State Univ. exp.	34.6	59.2	2	34	2
Settler CL	Husker Genetics	32.2	52.0	7	33	4
TAM 112	Watley Seed	31.7	57.8	9	37	5
Brawl CL Plus	PlainsGold	30.9	56.7	6	39	5
Iba	Oklahoma Genetics	30.5	54.1	6	31	8
Byrd	PlainsGold	30.1	54.6	8	37	2
CO11D1397	Colorado State Univ. exp.	30.0	51.4	7	34	2
CO11D1316W	Colorado State Univ. exp.	27.9	45.8	9	35	6
Prairie Red	PlainsGold	22.2	53.5	8	36	2
Above	PlainsGold	21.9	54.3	8	35	5
Akron	Colorado State Univ.	18.1	50.8	9	42	6
Ripper	PlainsGold	16.9	50.5	9	36	2
CO11D1174	Colorado State Univ. exp.	16.2	47.0	9	37	3
Bearpaw	Montana State Univ.	8.6	48.8	8	33	5
Average		44.4	55.4	5	37	4
°LSD (P<0.30)		5.1				

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

^bWinter survival score: 1 equals excellent winter survival and 9 equals severe winterkill.

^cIf 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: Central Great Plains Research Center
 Harvest date: July 14, 2015
 Planting date: September 18, 2014
 Fertilizer: Pre-plant: N at 50lb/ac; Starter: N at 8 lb/ac and P at 28 lb/ac
 Herbicide: Starane at 14 ounce per acre around April 6
 Stripe Rust: Stripe rust was not controlled early and caused significant damage before a fungicide was applied around June 1.

General Comments: Good emergence and very lush growth until November freeze. Below freezing temperatures were registered on May 9. Very wet month of May, over 6 inches of rain. Severe freeze damage noted on May 28 with lots of sterile heads, partially sterile heads, and some purpling of the heads. There were many Russian wheat aphids present.

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