

2015 Dryland Winter Wheat Variety Performance Trial at Genoa

Variety	Brand/Source	Yield	Test Weight ^a	Plant Height
		bu/ac	lb/bu	in
CO11D1767	Colorado State Univ. exp.	50.9	56.3	23
Antero	PlainsGold	50.0	58.0	21
CO11D1539	Colorado State Univ. exp.	49.4	58.7	21
TAM 114	Adaptive Genetics	47.7	60.6	24
Oakley CL	Kansas Wheat Alliance	47.2	58.2	20
KS11HW39-5-4	Kansas State Univ. exp.	46.7	58.5	23
Hatcher	PlainsGold	46.6	57.4	25
CO11D446	Colorado State Univ. exp.	46.0	59.6	17
SY Wolf	AgriPro Syngenta	42.9	55.7	24
KanMark	Kansas Wheat Alliance	42.0	58.8	21
CO11D1236	Colorado State Univ. exp.	41.9	57.1	24
SY Monument	AgriPro Syngenta	41.9	56.5	26
CO11D1353	Colorado State Univ. exp.	41.8	56.0	24
LCS Mint	Limagrain	41.1	57.6	21
Sunshine	PlainsGold	41.0	56.5	22
Iba	Oklahoma Genetics	39.3	56.4	22
Denali	PlainsGold	38.8	55.8	27
Winterhawk	WestBred Monsanto	38.4	57.8	25
CO11D1306W	Colorado State Univ. exp.	38.4	56.9	24
NE10589	Univ. of Nebraska exp.	38.3	60.1	20
TAM 113	AGSECO	36.8	59.1	23
LCS Pistol	Limagrain	36.8	59.1	22
T158	Limagrain	35.2	57.9	22
WB-Grainfield	WestBred Monsanto	35.1	59.2	24
Gallagher	Oklahoma Genetics	32.5	56.8	20
Cowboy	Crop Res. Found. of WY	32.4	55.3	25
MTS1024	Montana State Univ. exp.	31.8	55.1	25
Snowmass	PlainsGold	31.4	57.2	22
CO11D174	Colorado State Univ. exp.	31.3	57.6	28
Brawl CL Plus	PlainsGold	31.0	59.4	21
TAM 204	Watley Seed	30.5	55.5	21
CO11D1298	Colorado State Univ. exp.	30.0	54.3	23
LCH13DH-5-59	Limagrain exp.	29.8	57.8	24
CO11D1316W	Colorado State Univ. exp.	29.0	55.4	23
Settler CL	Husker Genetics	28.8	54.4	22
CO11D1397	Colorado State Univ. exp.	28.2	56.4	22
Byrd	PlainsGold	28.0	57.0	29
TAM 112	Watley Seed	23.7	55.3	24
Akron	Colorado State Univ.	23.6	53.4	23
Above	PlainsGold	22.6	-	19
Prairie Red	PlainsGold	21.4	-	20
CO11D1174	Colorado State Univ. exp.	19.1	49.9	21
Bearpaw	Montana State Univ.	18.7	-	26
Ripper	PlainsGold	14.8	-	19
	Average	35.3	57.0	23
	^b LSD (P<0.30)	4.5		

^aTest weight could not be measured in some plots due to insufficient grain.

^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

Cooperator: Ross Hansen
 Harvest date: July 23, 2015
 Planting date: September 20, 2014
 Fertilizer: Starter: N at 8 lb/ac and P at 28 lb/ac; Spring: N at 46 lb/ac applied on May 20.
 Pesticide: None
 General Comments: Very good planting conditions and emergence. In early Nov. there were uniform stands and 5 tillers/plant. No evidence of winterkill in early April, but trial looked pale green. Freeze damage in early maturing varieties and stripe present at low levels. Pale green color was more noticeable by late April. In mid-May, yellow and purple/blue stems were visible in many varieties. Tested plant samples for virus infections and none found. Most likely cause of yellowing was N deficiency. Slight hail damage from storm on June 5. By mid-June plants had regained green color but were stunted from the lack of N. Total spring rainfall was 8.78 inches.

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