



Winter Cereals

Sustainability in Action

Andover, SD ■ Winter Wheat Variety Trial

2010 Performance Results - John & Jaclyn Horter, Cooperators

Variety	Yield (bu/A)		Test Weight (lb/Bu)		Protein %		Lodging Score*	
	No Fung	Fung	No Fung	Fung	No fung	Fung	No fung	Fung
SY Wolf	89.6	96.4	54.7	56.8	12.1	12.5	2.7	2.0
Alice	77.7	91.6	54.7	57.1	12.1	12.1	7.3	7.5
Hawken	78.2	91.0	56.6	56.8	12.3	12.7	4.5	4.0
SD05118-1	85.3	90.1	56.5	57.8	12.3	11.7	5.2	4.3
Smoky Hill	77.5	89.1	54.9	57.5	11.3	11.7	5.8	4.0
Millennium	78.6	87.9	58.0	58.0	12.0	12.1	5.8	4.0
Overland	82.5	87.0	56.9	58.3	12.3	11.6	6.0	4.5
Darrell	78.3	86.9	56.0	56.4	12.0	12.6	5.7	4.7
Lyman	80.5	85.7	58.0	57.3	12.8	12.9	7.7	6.7
Camelot	76.5	85.1	56.5	57.4	11.8	11.3	6.8	5.7
Decade(MT-0552)	74.4	84.8	55.2	57.2	12.7	12.7	3.0	2.3
Peregrine	73.3	84.4	57.2	57.8	12.1	11.3	7.0	6.0
Art	83.8	83.5	56.6	57.5	12.1	11.8	4.2	2.7
Wesley	77.0	81.9	53.9	56.1	12.7	12.2	4.8	4.3
Boomer	68.7	81.3	55.5	56.1	12.5	12.9	4.8	3.3
Expedition	76.8	79.5	53.7	56.7	12.5	11.5	6.3	6.5
CA9W07-817	73.7	79.0	56.3	57.6	12.8	12.3	5.5	3.8
NI044212	66.6	78.8	52.4	54.6	12.7	11.9	7.5	6.7
Striker	67.7	77.7	55.9	55.3	13.4	12.7	4.7	4.3
CDC Falcon	67.8	77.5	55.1	56.4	13.2	12.4	4.8	3.3
Mace	70.9	77.2	53.8	55.6	12.1	12.2	7.0	5.5
Accipiter	73.0	76.3	54.5	56.5	12.7	11.3	4.5	3.3
Mean	76.3	84.2	55.6	56.9	12.4	12.1	5.5	4.5
LSD 5%	14.6		2.0		1.2		1.5	
CV%	11.3		2.2		6.3		24.4	

Seeding date: September 30, 2009

Seeding rate: 1.2 million PLS/A

Seed treatment: Proceed Plus

Fertilizer:

- 100 lbs 11-52-0 with seed
- 175 lbs (81 lbs N) Urea in deep band with drill
- 15.8 gpa (47 lbs N) UAN at 4 leaf - stream bars

Fungicides:

- Stratego 5 fl. oz/A with herbicide
- Prostaro 6.5 fl. oz/A from fully headed to early flower
(All treated varieties received the Prostaro application the same day which caused some varieties to receive it early and some after the desired early flower stage of application of Feekes 10.51.)

Seeding equipment:

Horsch Anderson Drill with AE-15 dry Anderson openers

Prior crop: HRSW

Sponsors

Ducks Unlimited, SDSU, Bayer CropScience, SD Wheat, Inc., Horsch Anderson, Wheat Growers, SD Wheat Commission, Day Conservation District, NRCS, AGVISE Laboratories, Western Ag Labs, WestBred, AgriPro, SD Foundation Seed, ND Foundation Seed

Winter Cereals: Sustainability in Action

is a joint research and education initiative of Ducks Unlimited and Bayer CropScience. The initiative promotes improving agricultural productivity while maintaining habitat for wildlife by increasing winter wheat acres in the Prairie Pothole Region.

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