2011 Holt County Winter Wheat Variety Test Report

PI: Greg Kruger

The Holt County Winter Wheat Variety trial was planted September 28, 2010 on the Jess Miner farm near O"Neill, NE (N42.5395, W98.7638). Seeding rate was 120 lb/a. Soil type was Anselmo - O"Neill fine sandy loams, with a pH of 6.4 and organic matter of 2%. Site was conventionally tilled and center pivot irrigated. 60 lb/a of 11-52-0 fertilizer was broadcast in the fall. 110 lb/a 46-0-0 and 50 lb 21-0-0-24 were broadcast in spring at greenup, and 9.1 gal/acre of 30-0-0-3 was applied through the pivot at boot stage. 0.5 oz/a Affinity Broadspec and 8 oz/a 2,4-D 4LVE was applied May 5 for weed control. 10 oz/a Quilt fungicide was applied May 20. Plots were harvested July 19, 2011.

Results are in the table on the following page.

Holt County Irrigated Winter Wheat Variety Test - 2011

Brand	Variety	Grain Yield (bu/a)	Moisture (%)	Bushel Weight lb/bu)	Plant Height (inches)	Grain Protein (%)	Kernel Weight (1000/lb)
AGRIPRO/SYNGENTA	PostRock	94.0	10.1	60.6	36	12.1	14.4
WESTBRED	Hitch	91.5	10.3	56.8	34	11.5	15.6
WESTBRED	WB-Stout	91.5	9.5	54.8	34	13.3	14.8
----	NE05426	90.8	9.4	59.3	37	12.8	13.8
WESTBRED	WB-Cedar	90.5	10.1	60.1	34	13.1	12.4
AGRIPRO/SYNGENTA	SY Wolf	89.8	10.3	56.3	35	12.8	15.4
AGRIPRO/SYNGENTA	Art	89.8	9.7	59.2	36	13.0	15.5
-----	NX04Y2107	88.0	8.9	52.8	37	-	13.4
----	Wesley	87.1	9.7	55.6	35	12.5	19.6
-----	NE06545	86.3	9.4	57.8	36	12.4	15.0
-----	NI08708	85.8	9.6	53.9	38	12.3	14.5
-----	NI06736	85.4	9.3	55.7	35	12.7	16.0
WESTBRED	Smoky Hill	84.9	8.8	51.7	36	12.2	14.4
-----	Expedition	83.5	9.4	58.4	39	12.3	14.3
----	NW03666 (W)	83.3	9.5	55.9	39	12.7	13.9
-----	NE06607	83.1	9.5	55.8	36	12.2	17.2
-----	NI07703	82.4	9.3	57.5	38	12.7	17.1
WESTBRED	Armour	82.3	10.0	58.5	32	11.6	14.9
NuPride	Camelot	81.4	9.6	55.7	39	13.6	16.1
WESTBRED	Santa Fe	80.2	9.5	54.9	34	13.4	15.6
----	NI06731	80.2	9.2	56.3	38	12.8	15.0
----	Settler CL	79.6	9.7	57.4	36	12.1	14.5
-----	NX05M4180-6	78.7	10.0	53.8	38	11.1	14.9
----	Robidoux	77.4	9.0	55.0	38	12.6	15.9
----	Antelope (W)	76.7	9.1	56.4	38	12.3	14.2
----	NE05430	76.5	9.2	56.4	38	12.6	15.7
-----	Thunder CL	76.1	8.3	54.3	37	12.5	17.7
----	NE05496	73.5	8.9	53.9	38	13.0	14.9
----	NI06737	71.9	9.5	54.7	35	12.6	17.1
Husker Genetics	Overland	71.4	10.1	58.0	42	12.3	17.6
----	Anton (W)	70.8	9.5	50.5	39	13.4	17.6
----	NE02558	69.2	9.8	53.6	38	12.9	18.4
-----	Lyman	65.5	9.7	54.1	40	14.5	15.0
----	NE05548	64.2	9.5	53.8	44	13.6	15.9
----	Mace	60.8	8.7	51.9	35	13.5	20.1
Average of all entries		80.7	9.5	55.8	37	12.7	15.7
Difference required for significance at 5%		6.7	0.9	4.0	2	1.1	3.1