Corn Performance with Stamina Seed Treatment, Carrington; BASF Collaboration

Greg Endres, Blaine Schatz and Mike Ostlie

A dryland, conventionally-tilled field trial was conducted at the NDSU Carrington Research Extension Center in cooperation with BASF to examine the performance of corn with Stamina seed treatment. Experimental design was a randomized complete block with six replications. 'Stamina' (pyraclostrobin) was applied at 0.4 and 0.8 fl oz/cwt to DeKalb 'DKC35-43' (VT3) Roundup Ready corn commercially treated with 'Acceleron' and planted on May 9 in 30-inch rows. Seed was harvested with a plot combine on October 10.

All field and seed factors were statistically similar among treatments (Table).

Table 1. Corn performance with Stamina seed treatment.

	Plant			Seed				
		Stand			Test			
	Emerge	(May 31)	Silk	Yield	Weight	Moisture	Protein	Starch
Seed Treatment	Jday	plt/A	Jday	lb/A	lb/bu		%	
untreated check	140	33,200	201	194.1	59.7	15.2	9.2	71.6
Stamina at 0.4 fl oz/A	140	32,095	201	192.3	60.1	15.0	9.4	71.5
Stamina at 0.8 fl oz/A	140	34,750	201	194.7	60.0	15.2	9.5	71.1
Mean	140	33,350	201	193.7	59.9	15.1	9.4	71.4
C.V. (%)	0.3	11.4	0.1	3.9	0.9	2.4	3.3	1.0
LSD (0.05)				NS				

Corn seed treatment evaluation, July 2012.