

DuPont-Pioneer Corn Variety Demonstration

Project duration May 2018 – November 2018
Objectives Demonstrate early varieties of DuPont-Pioneer corn
Collaborators Jeremy Andres, DuPont-Pioneer representative

Results

Four varieties of DuPont-Pioneer corn were grown for demonstration purposes at the PCDF annual field day. Plots were taken to yield, but severe bird damage made yield comparisons not useful. The varieties grown were P7005AM, P7202AM, P7211HR, and P7213R.

Materials & Methods

Experimental Design Demonstration; 4 x 50m plots per variety
Seeding Jun 5
Harvest Nov 12

Data collected	Date collected
Tasseling Date	Jul 12 – Aug 13
Silking Date	Jul 16 – Aug 28
Ear Formation	Aug 1 – Sept 4
Heights	Aug 2
Moisture	Nov 12
Yield	Nov 12

Agronomic info

Previous 2 years crop Oat barley silage
Soil Type Erickson Loam Clay
Landscape Rolling with trees to the east
Seedbed preparation No-till due to moisture concerns; direct-seeded into stubble

Table 1: Spring 2018 Soil Test

	Available	Needed
N	54 lb/ac	84 lb/ac
P	13 ppm	10 lb/ac
K	228 ppm	
S	118 lb/ac	

Table 2: Added N and P

Blend	Blend (actual lbs/ac)	Actual lbs N	Actual lbs P
46-0-0	178.01	81.88	0
11-52-0-0	19.23	2.12	10
Total	-	84	10

N banded with seed; P side-banded

Table 3: Pesticide Application

Crop stage	Date	Product	Rate
Pre-emerge	May 18	Heat	28.4g/ac
		Round-up	0.67L/ac
Pre-emerge	Jun 5	Heat	28.4 g/ac
		RoundUp	0.67 L/ac
In crop	Jul 30	Basagran	0.91 L/ac
		Centurion	0.15 L/ac