

FIELD EXPERIMENT HISTORY

Title: Using Agrotain for split-applications of N
Experiment: 12Fertilizer **Trial ID:** 5735 **Year:** 2013
Personnel: J.G. Lauer, K.D. Kohn, and T. Diallo
Location: Arlington, WI **County:** Columbia
Supported By: HATCH

Site Information

Field: ARS379 **Previous Crop:** Corn **Soil Type:** Plano silt loam
Soil Test: **Date:** 10/1 /13 **pH:** 5.9 **OM (%)** 3.4 **P (ppm)** 23 **K (ppm)** 110

Plot Management

Tillage Operations: Fall Chisel Field Cultivator
Fertilizer:

	<u>Analysis</u>	<u>Rate</u>	<u>Date</u>
Preplant	N/A	N/A	N/A
Starter	N/A	N/A	N/A
Post plant	46-0-0	435	7 /2 /13
Manure:	N/A	None	

Herbicide: Dual II Mag 28 oz/A Insecticide: N/A
 Hornet 4.0 oz/A

Irrigation: None **Hybrid:** Pioneer P09630AM1

Planting Date: 6/10/13 **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 35000 plants per acre **Planting Method:** Almaco Precision Planter

Harvest Date: 11/4/13 **Harvest Method:** Massey 8XP

Notes: Fertilizer application made on July 2 (V3).

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10 x 25 **Experiment Size:** 0.27 A
Harvest Plot Size: 5 x 22 **Harvest Plant Density:** 36168 plants per acre

Factors/Treatments:

N fertilizer (%)

	Urea	Agrotain
1) 100	0	
2) 80	20	
3) 60	40	
4) 40	60	
5) 20	80	
6) 0	100	

Results: Table 1312-01.

