

FIELD EXPERIMENT HISTORY

Title: Corn Response to New Seed Treatments
Experiment: 08Seed **Trial ID:** 6009 **Year:** 2015
Personnel: Joe Lauer, Dale Wilson, Kent Kohn, Thierno Diallo
Location: Arlington, WI **County:** Columbia
Supported By: Valent BioSciences

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/1 /14 **pH:** 6.1 **OM (%)** 2.9 **P (ppm)** 27 **K (ppm)** 161

Plot Management

Tillage Operations: Field Cultivator

Fertilizer:	Analysis	Rate	Date
Preplant	46-0-0	325 lbs/A	4 /14/15
Starter	10-34-0	3 gal/A	April 16, May 1
Post plant	N/A	N/A	N/A
Manure:	N/A	N/A	N/A

Herbicide: Dual II 1.5 pt/A **Insecticide:** None
 Hornet 4.0 oz/A

Irrigation: None **Hybrid:** Pioneer P0157AM

Planting Date: See Factors **Planting Depth:** 1.5" **Row Width:** 30"

Target Plant Density: 32000 plants per acre **Planting Method:** Almaco precision planter

Harvest Date: 10/26/15 **Harvest Method:** Massey8XP

Notes: 3rd DOP test strip planted adjacent to trial. Planting date May 14, 2015.
 Grain yield = 199.7; moisture = 23.9; Test wt = 52.6.

Experimental Design

Design: RCB: 2 x 12 factorial **Replications:** 9
Plot Size Seeded: 10' x 25' **Experiment Size:** 2.1 Acre
Harvest Plot Size: 5' x 23.75' **Harvest Plant Density:** 30665 plants per acre

Factors/Treatments:

<u>Date of Planting:</u>	<u>Seed treatments (ug/g seed):</u>	
April 16	1) Protectant only	7) S-4698 @ 15
May 01	2) Protectant only	8) S-4698 @ 50
	3) S-4731 @ 15	9) S-4698 @ 150
	4) S-4731 @ 50	10) S-4698 @ 500
	5) S-4731 @ 150	11) S-4903 @ 25
	6) S-4731 @ 500	12) S-4903 @ 50

Results: Table 1508-08.

