

FIELD EXPERIMENT HISTORY

Year: 2025

Expt. No. 2025-179
Expt. Title: AgBio: Start Right 2.0/Starter Trial on Corn Silage
Personnel: J. Odell, T.S. Maloney, T.M. Maloney, M.D. Maloney and M.E. Maloney
Location: Milner Farm, Whitewater, WI
Supported by: Agri-Tech Consulting and AgBio Logic, LLC

FIELD INFORMATION

Field: MF-NW **N42.913191 W-88.758718**

Soil type: Milford silty clay loam

Soil Test Results: 10/11/2024 pH: 6.8 P: 39 ppm K: 144 ppm O.M. 4.2 % CEC = 23.7
Rock River Labs Watertown, WI Ca = 4884 ppm, Mg = 739 ppm, S = 4.5 ppm, B = 0.6 ppm, Mn = 29 ppm, Zn = 4.9 ppm
Sand % = 12, Silt % = 66, Clay % = 22%, Fertility = excellent, Drainage = excellent

Fertilizer Applied: 150 lbs/acre 11-52-0 + 250 lbs/acre 0-0-62 on November 03, 2024
250 lbs/acre 46-0-0+ 100 lbs/acre 21-0-0-24S on May 04, 2025
35 gals/acre 28-0-0 on June 10, 2025

Tillage Operations: Fall chisel plowed, spring field cultivate to incorporate fertilizer and level field for planting

Previous Crop: Soybean

Previous Herbicide: Boundary/Enlist One/Liberty

Irrigation: None

EXPERIMENTAL PROCEDURE

Exp. Design: RCB 1 factor

Replicates: 4

Variables: Factor A: Corn starter treatment (2 treatments)

Plot Size: 10' x 50' plots = 0.011 acres

Row Spacing: 30"

Cultivar: DS-4580Q

Planting: Date: 12-May-25 Soil temp DOP: 53F
Equipment: SRES 4-row precision vacuum planter
Rate: 35,000 seeds per acre
Depth: 2.75"

Other data obtained: Stand, treatment efficacy, lodging, grain yield and moisture, test weight

Harvesting: Date: 11-Sep-25
Equipment: Custom silage harvester with Cub Cadet chopper

Pesticides	<u>Material</u>	<u>Rate</u>	<u>Method</u>	<u>Date</u>
	Accuron	1.5 pt	pre emergence	16-May-25
	Atrazine	1.0 lb	pre emergence	16-May-25
	Callisto	3.0 oz	post emergence	17-Jun-25
	Roundup PowerMax	32.0 oz	post emergence	17-Jun-25
	20 gal/acre water volume, AIXR nozzles, 5 mph, 40 psi, calm			

Results: Table 179