

FIELD EXPERIMENT HISTORY

Title: Corn response to XiteBio plant growth promoting rhizobacteria
Experiment: 11Biologicals **Year:** 2016
Personnel: J. G. Lauer, K. D. Kohn, T. H. Diallo **Trial ID:** 6130
Location: Arlington, WI **County:** Columbia
Supported By: HATCH, XiteBio

Site Information

Field: ARS 408 **Previous Crop:** Alfalfa **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/01/16 **pH:** 6.2 **OM (%)** 3.3 **P (ppm)** 26 **K (ppm)** 79

Plot Management

Tillage Operations: Chisel Plow Field Cultivator

Fertilizer: **Preplant Analysis:** N/A **Rate lbs/A:** N/A **Date:** N/A
Starter Analysis: 9-23-30 **Rate lbs/A:** 200 lbs/A **Date:** 5/3/16
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: Manure 1050 gal

Herbicide: Hornet 5 oz/A **Insecticide:** Force 3G 4.4 lbs/A
 Medal II EC 24 oz/A **Hybrid:** Dekalb DKC56-03RIB

Irrigation: None

Planting Date: 5/3/16 **Planting Depth:** 1.5" **Row Width** 30"

Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter

Harvest Date: 10/10/16 **Harvest Method:** Massey 8XP

Notes: XiteBio applied at 250ml/A on 6/16/16 @ V7
 Return value for treated plots = Adjusted Gross Income (AGI) - application cost (\$10.00/A) - product cost (\$10.00/A).

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 5' x 23' **Harvest Plant Density:** 35085 plants per acre
Factors/Treatments:

Treatment

- 1) UTC
 - 2) XiteBio
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Results: Table 1611-01.

FIELD EXPERIMENT HISTORY

Title: Corn response to XiteBio plant growth promoting rhizobacteria
Experiment: 11Biologicals **Year:** 2016
Personnel: J. G. Lauer, K. D. Kohn, T. H. Diallo **Trial ID:** 6131
Location: Fond du Lac, WI **County:** Fond du Lac
Supported By: HATCH, XiteBio

Site Information

Field: **Previous Crop:** Soybean **Soil Type:** Virgil Silt Loam
Soil Test: **Date:** 10/01/16 **pH:** 6.6 **OM (%)** 2.9 **P (ppm)** 21 **K (ppm)** 111

Plot Management

Tillage Operations: Chisel Plow Field Cultivator

Fertilizer: **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 391 **Date:** N/A
Starter Analysis: 9-23-30 **Rate lbs/A:** 200 lbs/A **Date:** 5/6/16
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A

Herbicide: Acuron 3.0 qt/A **Insecticide:** Force 3G 4.4 lbs/A
Irrigation: None **Hybrid:** Dekalb DKC48-12RIB

Planting Date: 5/6/16 **Planting Depth:** 1.5" **Row Width** 30"

Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter

Harvest Date: 10/11/16 **Harvest Method:** Massey 8XP

Notes: XiteBio applied at 250ml/A on 6/15/16 @ V6
 Return value for treated plots = Adjusted Gross Income (AGI) - application cost (\$10.00/A) - product cost (\$10.00/A).

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 5' x 23' **Harvest Plant Density:** 33901 plants per acre
Factors/Treatments:

Treatment:

- 1) UTC
 - 2) XiteBio
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Results: Table 1611-02.

FIELD EXPERIMENT HISTORY

Title: Corn response to XiteBio plant growth promoting rhizobacteria
Experiment: 11Biologicals **Year:** 2016
Personnel: J. G. Lauer, K. D. Kohn, T. H. Diallo **Trial ID:** 6132
Location: Janesville, WI **County:** Rock
Supported By: HATCH, XiteBio

Site Information

Field: **Previous Crop:** Corn **Soil Type:** Plano Silt Loam
Soil Test: **Date:** 10/01/16 **pH:** 6.2 **OM (%)** 3.9 **P (ppm)** 114 **K (ppm)** 48

Plot Management

Tillage Operations: Chisel Plow Field Cultivator

Fertilizer: **Preplant Analysis:** 46-0-0 **Rate lbs/A:** 435 **Date:** N/A
Starter Analysis: 9-23-30 **Rate lbs/A:** 200 lbs/A **Date:** 4/26/16
Post plant Analysis: N/A **Rate lbs/A:** N/A **Date:** N/A
Manure: N/A

Herbicide: Accent Q 0.9 oz/A **Insecticide:** Force 3G 4.4 lbs/A
 Lumax 3.0 gal/A **Hybrid:** Dekalb DKC56-03RIB

Irrigation: None

Planting Date: 4/26/16 **Planting Depth:** 1.5" **Row Width** 30"

Target Plant Density: 32000 plants per acre **Planting Method:** Almaco Precision Planter

Harvest Date: 10/5/16 **Harvest Method:** Massey 8XP

Notes: XiteBio applied at 250ml/A on 6/17/16 @ V6
 Return value for treated plots = Adjusted Gross Income (AGI) - application cost (\$10.00/A) - product cost (\$10.00/A).

Experimental Design

Design: RCB **Replications:** 4
Plot Size Seeded: 10' x 25' **Experiment Size:** 0.05 A
Harvest Plot Size: 5' x 23' **Harvest Plant Density:** 34801 plants per acre
Factors/Treatments:

Treatment:

- 1) UTC
 - 2) XiteBio
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Results: Table 1611-03.

