



2023 FIELD TRIAL RESULTS



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Starter fertilizer on corn

EXPERIMENT INFO

Planted: 05/16/2023

Hybrid: MZ 4049SMX with Fortenza + Vibrance Cinco + Lumiante + Stamina (2975 CHU)

Population: 32,000 seeds/acre

Row Width: 30"

Prev. Crop: Soybeans

Plot Size: 12 rows x 675'

Replications: 4

Sidedress Application

Date: 06/21/2023

Rate: 40 GPA High NRG-N

Harvested: 12/01/2023

Soil Data

pH: 5.7 – 6.8

CEC: 5.2 – 7.3

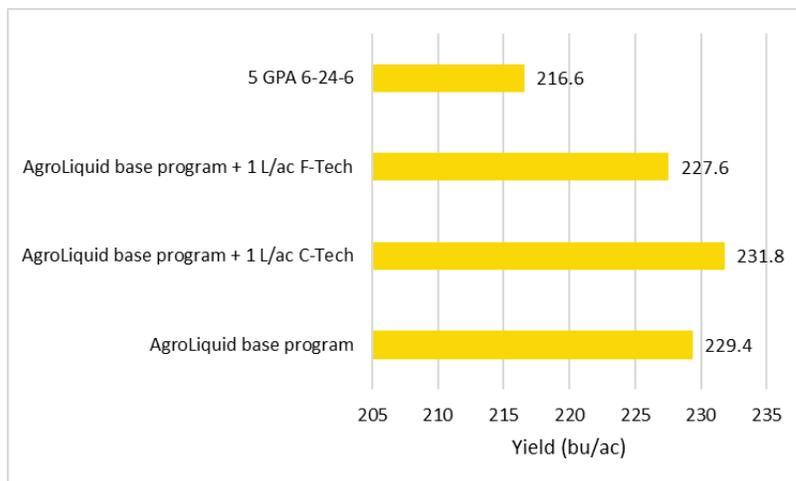
% OM: 1.3 – 1.9

P: 63 – 81 ppm

% K: 2.9 – 3.7

% Mg: 5.3 – 11.8

Ca: 540 – 1100 ppm



AgroLiquid base program: 2.5 GPA Pro-Germinator + 2.5 GPA Kalibrate + 2 L/ac Micro 500 + 0.5 L/ac Boron

Treatment	Average moisture (%)
5 GPA 6-24-6	24.4
AgroLiquid base program	23
AgroLiquid base program + 1 L/ac C-Tech	22.5
AgroLiquid base program + 1 L/ac F-Tech	23.3

The AgroLiquid base program + 1 L/ac C-Tech yielded an **additional 15.2 bushels** over the 5 GPA 6-24-6.

Strip till fertilizer on corn

EXPERIMENT INFO

Strip Tilled: 05/18/2023

Planted: 05/22/2023

Hybrids:

- MZ 4049SMX with Fortenza + Vibrance Cinco + Lumiante + Stamina (2975 CHU)
- MZ 4608SMX with Fortenza + Vibrance Cinco + Lumiante + Stamina (3200 CHU)

Population: 32,000 seeds/acre

Row Width: 30"

Prev. Crop: Soybeans

Plot Size: 25 acres

Replications: 8

Manure Application

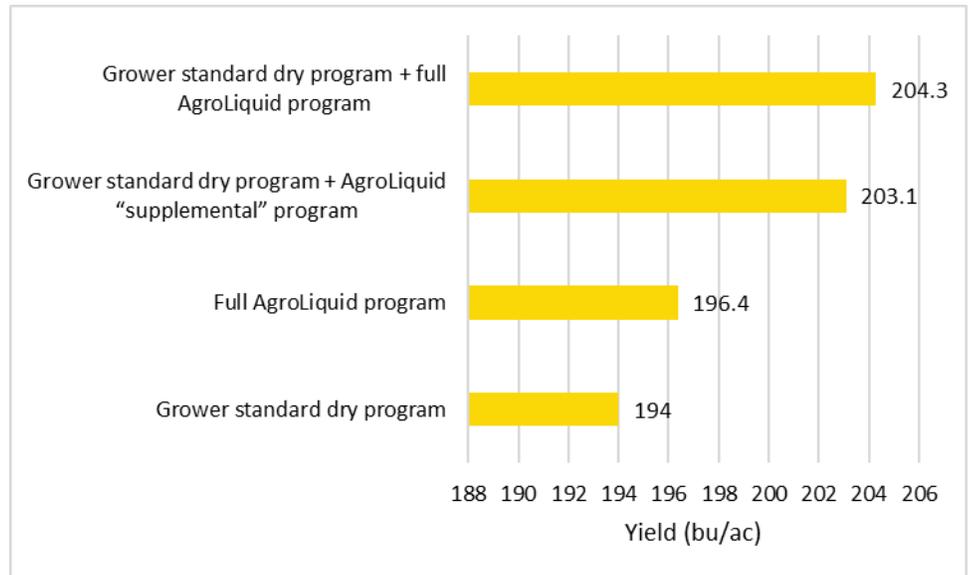
Dates: 05/11/2022 & 05/07/2023

Rate: 3,000 GPA finisher hog manure in each application

Harvested: 11/24/2023

Soil Data

pH: 6.6 – 6.9
CEC: 5.7 – 9.2
% OM: 2.1 – 5.7
P: 51 – 98 ppm
% K: 3 – 4.8
% Mg: 12.1 – 15
Ca: 1100 – 1400 ppm



Grower standard dry program (through the strip till): 12.0-15.2-11.9 13.4S 1.3Mg 0.12Zn 0.08B at 251 lbs/ac

AgroLiquid "supplemental" program (through the planter): 2.5 GPA Pro-Germinator + 2.5 GPA Kalibrate + 2 L/ac Micro 500 + 0.5 L/ac Boron

Full AgroLiquid program (through the planter): 5 GPA Pro-Germinator + 2 GPA Kalibrate + 2 L/ac Micro 500 + 0.5 L/ac Boron

Treatment	Average moisture (%)
Grower standard dry program + full AgroLiquid program	26.4
Grower standard dry program + AgroLiquid "supplemental" program	28.0
Full AgroLiquid program	27.9
Grower standard dry program	27.4

The grower standard dry program + full AgroLiquid program yielded an **additional 10.3 bushels** over the grower standard dry program.

eNhance in corn starter program

EXPERIMENT INFO

Planted: 05/17/2023

Hybrid: MZ 4049SMX with Fortenza + Vibrance Cinco + Lumiante + Stamina (2975 CHU)

Population: 31,800 seeds/acre

Row Width: 30"

Prev. Crop: Soybeans

Plot Size: 12 rows x 1,300'

Replications: 4

Sidedress Application

Date: 06/20/2023

Rate: 40 GPA High NRG-N

Harvested: 12/21/2023

Soil Data

pH: 6.0 – 7.4

CEC: 4.5 – 9.4

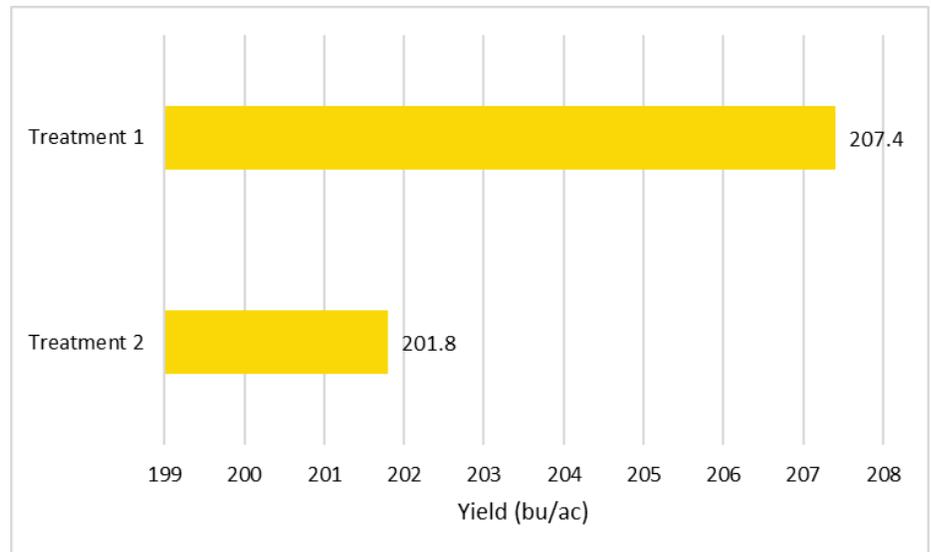
% OM: 1.0 – 2.3

P: 37 – 91 ppm

% K: 1.6 – 3.7

% Mg: 6.2 – 21.4

Ca: 270 – 1020 ppm



Treatments

Treatment 1: 2.5 GPA Pro-Germinator + 2.5 GPA Kalibrate + 1 L/ac Micro 500 + 1 L/ac eNhance

Treatment 2: 2.5 GPA Pro-Germinator + 2.5 GPA Kalibrate + 2 L/ac Micro 500 + 0.5 L/ac Boron

Treatment	Average moisture (%)
Treatment 1	26.1
Treatment 2	25.8

The AgroLiquid program with eNhance yielded an **additional 5.6 bushels** over the AgroLiquid program with Boron.

Foliar fertilizer on soybeans

EXPERIMENT INFO

Planted: 05/19/2023

Cultivar: Cyclone R2X (RM 1.5)

Population: 183,000 seeds/acre

Row Width: 7.5"

Prev. Crop: Corn

Plot Size: 30' x 975'

Replications: 3

Foliar Application

Date: 08/10/2023

Soybean Stage: R4

Harvested: 10/18/2023

Soil Data

pH: 6.5 – 7.6

CEC: 4.3 – 8.1

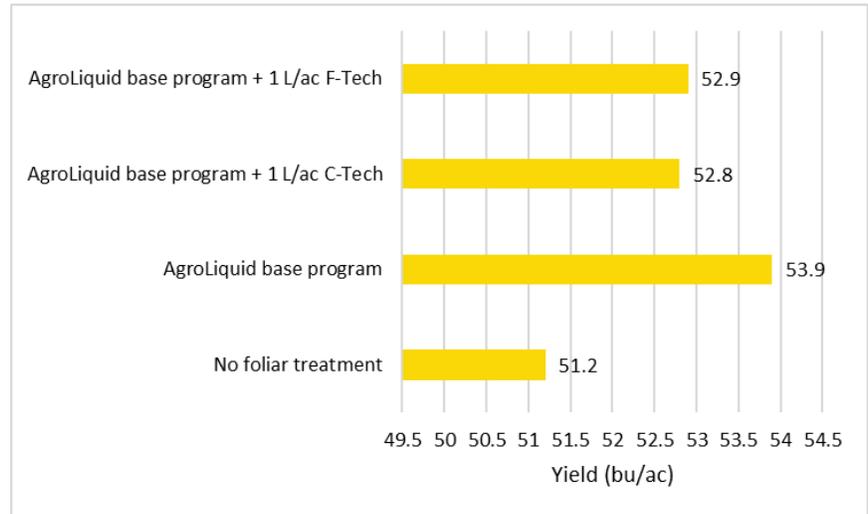
% OM: 1.3 – 2.7

P: 67 – 101 ppm

% K: 1.8 – 6.7

% Mg: 10.5 – 16.3

Ca: 490 – 1050 ppm



AgroLiquid base program: 1.75 GPA Sure-K + 1 GPA fertiRain

The AgroLiquid base program yielded an **additional 2.7 bushels** over the untreated check.

Foliar fertilizer & fungicide on soybeans

EXPERIMENT INFO

Planted: 05/27/2023

Cultivar: Cyclone R2X (RM 1.5)

Population: 180,000 seeds/acre

Row Width: 7.5"

Prev. Crop: Corn

Plot Size: 1-acre strips

Replications: 3

Foliar Application

Date: 08/04/2023

Soybean Stage: R4

Harvested: 11/03/2023

Soil Data

pH: 6.5 – 7.5

CEC: 6.2 – 11.9

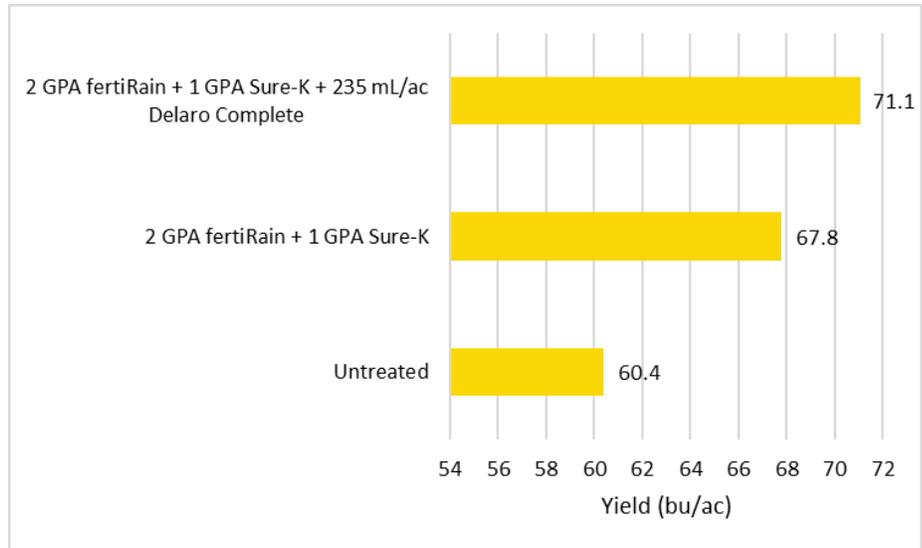
% OM: 2.5 – 4.3

P: 20 – 62 ppm

% K: 1.8 – 4.5

% Mg: 10.9 – 15.5

Ca: 780 – 2070 ppm



Treatment	Average moisture (%)
Untreated	13.9
2 GPA fertiRain + 1 GPA Sure-K	14.1
2 GPA fertiRain + 1 GPA Sure-K + 235 mL/ac Delaro Complete	14.6

The AgroLiquid fertilizer program with the fungicide yielded an **additional 10.7 bushels** over the untreated check.