

AgroLiquid® High Management Corn Nutritional Study

Objective: To evaluate the yield and economic impact of a corn liquid starter fertilizer and foliar nutritional program from AgroLiquid in a high management irrigated environment. This trial consisted of the following:

Treatments and Placement:


#1. Control:	No Irrigation, Only Foliar VT + R3 Foliar Fungicide
#2 At-Plant Fertility:	
Conceal® Dual Band: (Figure 1.)	2 Gal/A. accesS, 27 Gal/A. 32% UAN
FurrowJet® Center: (Figure 2.)	2 Gal/A. ProGerminator® 3Qt/A. Micro500™
FurrowJet® Wings: (Figure 2.)	3 Gal/A. SpringUp 2 Gal/A. Kalibrate™ 1Pt/A. Boron
#3 Foliar Applications:	
	V4: SideDress: 1 Gal/A. SpringUp, 2 Gal/A. accesS™
	V4 SideDress: 1Pt/A. Boron, 1Qt/A. CTech, 20 Gal/A. 32%
	V8: 2 Gal/A. FertiRain™, 1Qt/A. Micro500™, 1Qt/A. Fulvic Acid
	V8: 2 Gal/A. eNhance™, 1Pt/A. Boron
	VT: 13.7 oz/A. Miravis® Neo Fungicide
	R3: 13.7 oz/A. TrivaPro® Fungicide

Figure 1. Conceal® Placement



Figure 2. FurrowJet® Placement

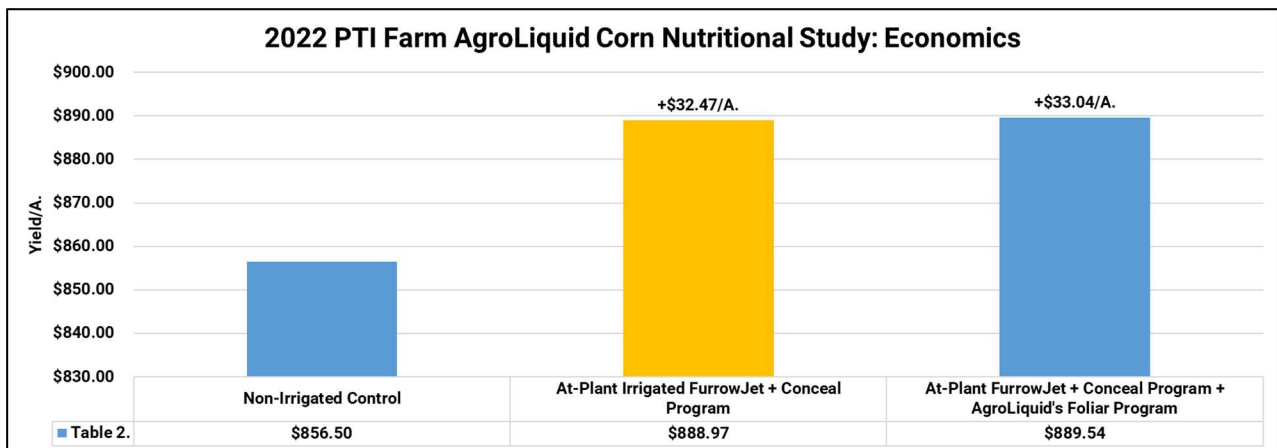
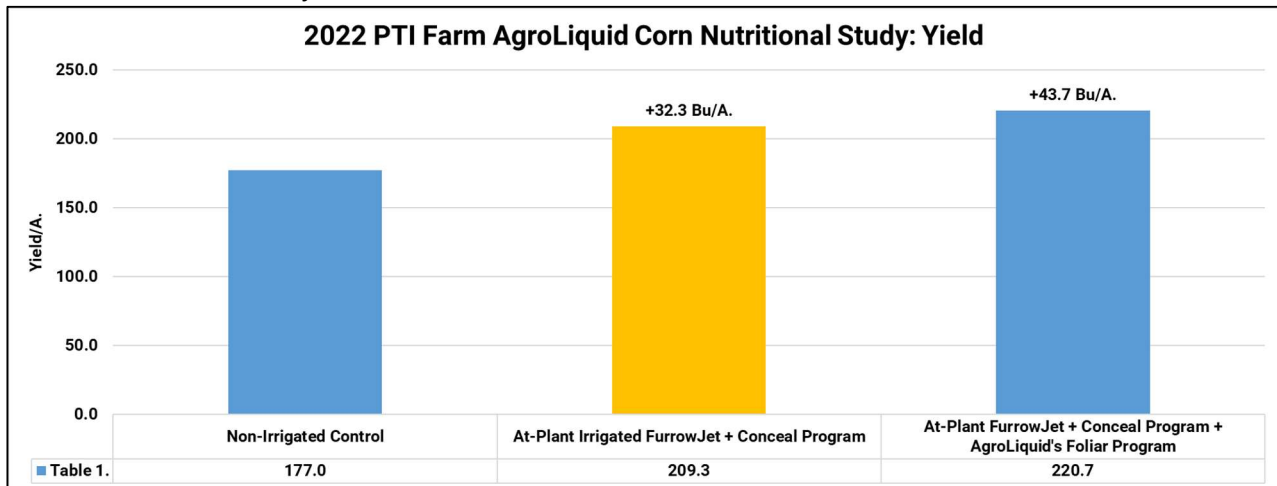


AgroLiquid® Corn Nutritional Study Continued

Irrigation on all treatments (excluding control) received 6.25" Rain throughout the growing season, as well as 5 Gal/A. Ammonium thiosulfate 12-0-0-26S + 2 Gal/A. 10% Boron as fertigation thru the V10-VT growth stages. All treatments were initially planted on April 28th, but replanted on June 15th. No at-plant fertility was additionally applied at replant. All treatments received 13.7oz/A. of Miravis Neo at VT and 13.7oz/A. of TrivaPro at R3 growth stages.

Results: Irrigated treatments contributed +38.0 Bu/A. average yield gains. Foliar treatments offered 11.4 Bu/A. gains over stand-alone at-plant FurrowJet/Conceal applications (Table 1).

Table 2. illustrates economic returns of both treatments in a high management environment versus a status quo low management program. After all costs, the high management program increased net returns by +\$32.47 to +\$33.04/A.



Planting Date: June 15th DKC 56-65, Golden Harvest 03R40, 02K73, AgriGold 639-70 Population: 36K Row Width: 30" Rotation: CAB Corn Price: \$6.00
 Conceal Program: \$13.55/A. FurrowJet Program: \$53.03/A Foliar Program: \$67.83/A. Fert Reallocation: \$30/A. Irrigation: \$40/A. Fertigation + N: \$84.75/A

AgroLiquid® High Management Soybean Study

Objective: To evaluate the yield and economic impact of a corn liquid starter fertilizer and foliar nutritional program from AgroLiquid in a high management irrigated environment. This trial consisted of the following:

Treatments and Placement:


Control:	Irrigation, Foliar R3 Foliar Fungicide
At-Plant Fertility:	
FurrowJet® Tri-Band: (Figure 1.)	1 Gal/A. Sure-K® 1Qt/A. Micro500™ 1 Gal/A. SpringUp
Foliar Applications:	
	V4: 1 Pt/A. Boron
	R3: 1.5 Gal/A. Kapitalize™ + 1.5 Gal/A. FertiRain™ + 1Pt/A. Manganese
	R3: 1.5 Gal/A. Kapitalize™ + 1.5 Gal/A. FertiRain™ + 1Pt/A. Manganese

Figure 1. FurrowJet® Placement

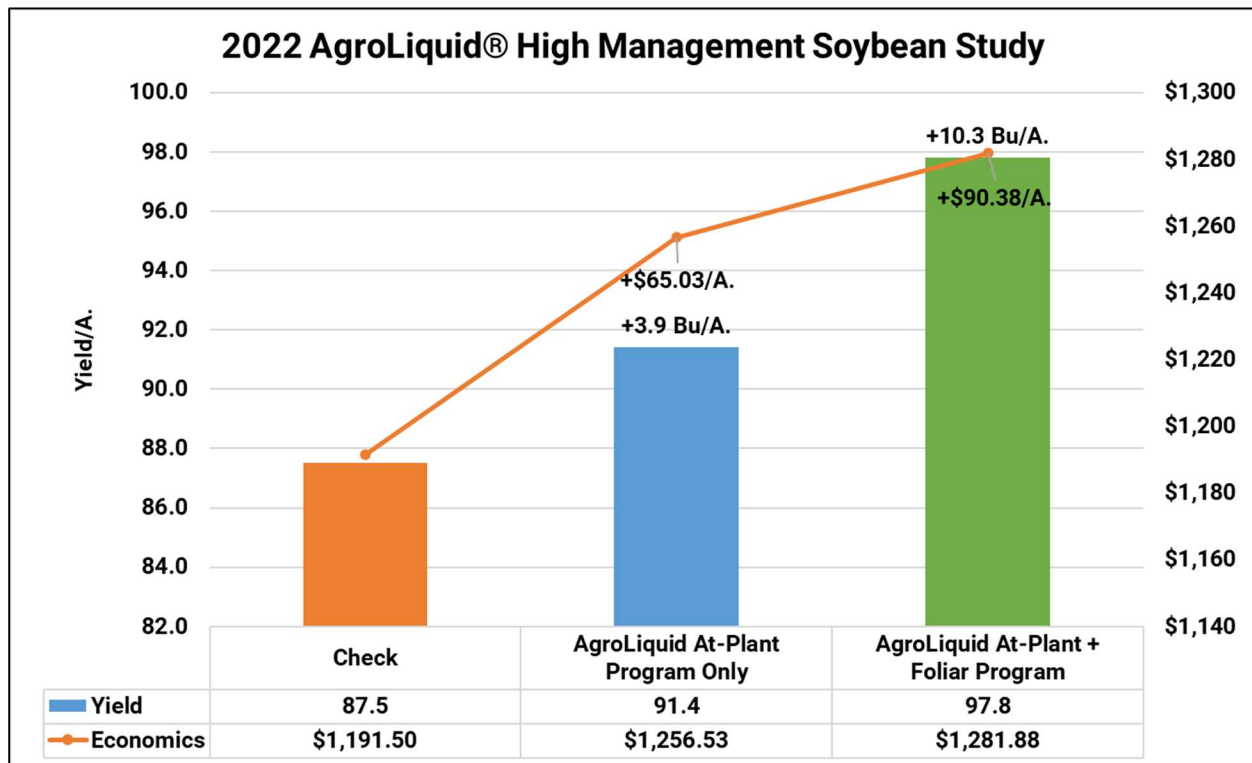


AgroLiquid® High Management Soybean Study

Irrigation on all treatments (including control) received 5.0" rain throughout the growing season. All treatments received 13.7oz/A. of Miravis Neo at R1 and 13.7oz/A. of Trivapro at R3 growth stages.

Results: The table below illustrates control treatments averaging 87.5 Bu/A. At-plant treatments achieved 91.4 Bu/A., +3.9 Bu/A. over the control. At-plant + foliar treatments offered yields of 97.8 Bu/A., +10.3 Bu/A. gains over the control and +6.4 Bu/A. over the stand-alone at-plant treatments.

Economics indicate at-plant treatments resulted in gains of +\$65.03/A., while full combination treatments gained positive returns of +\$90.38/A.



Planting Date: May 5th Variety: Golden Harvest 3244XF Population: 120K Row Width: 30" Rotation: BAC SB Price: \$13.96

FurrowJet: \$19.41/A Foliar Program: \$64.00/A. Fert Reallocation: \$30/A.

AgroLiquid® Soybean At-Plant Nutritional Placement Study

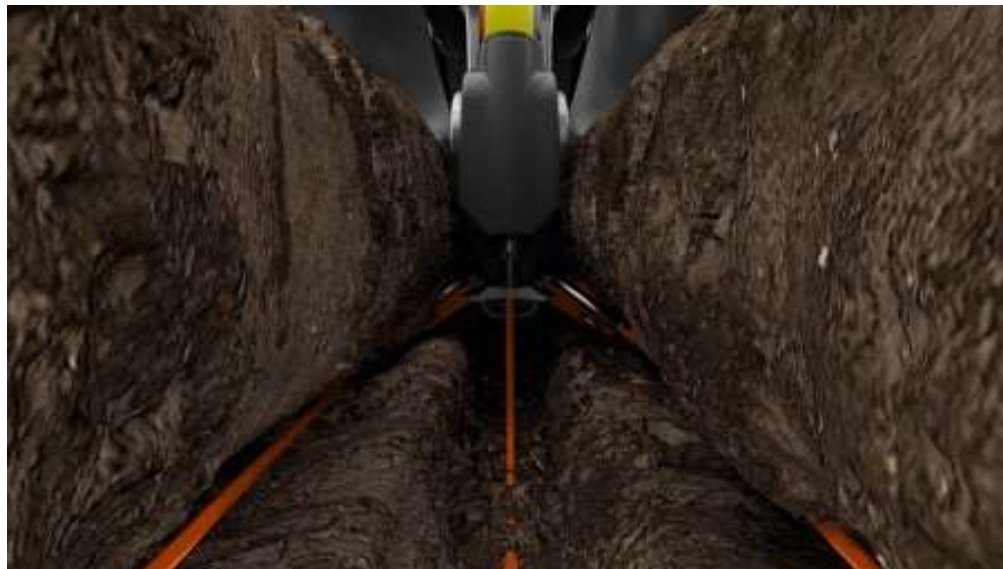
Objective: To evaluate the yield and economic impact of a corn liquid starter fertilizer and foliar nutritional program from AgroLiquid in a high management irrigated environment. This trial consisted of the following:

Treatments and Placement:

Control:	None
At-Plant Fertility:	
FurrowJet® Center: (Figure 1.)	1 Gal/A. Sure-K® 1Qt/A. Micro500™ 1 Gal/A. SpringUp 2 Gal/A. Water
FurrowJet® Wings Only:	1 Gal/A. Sure-K® 1Qt/A. Micro500™ 1 Gal/A. SpringUp 5 Gal/A. Water



Figure 1. FurrowJet® Placement

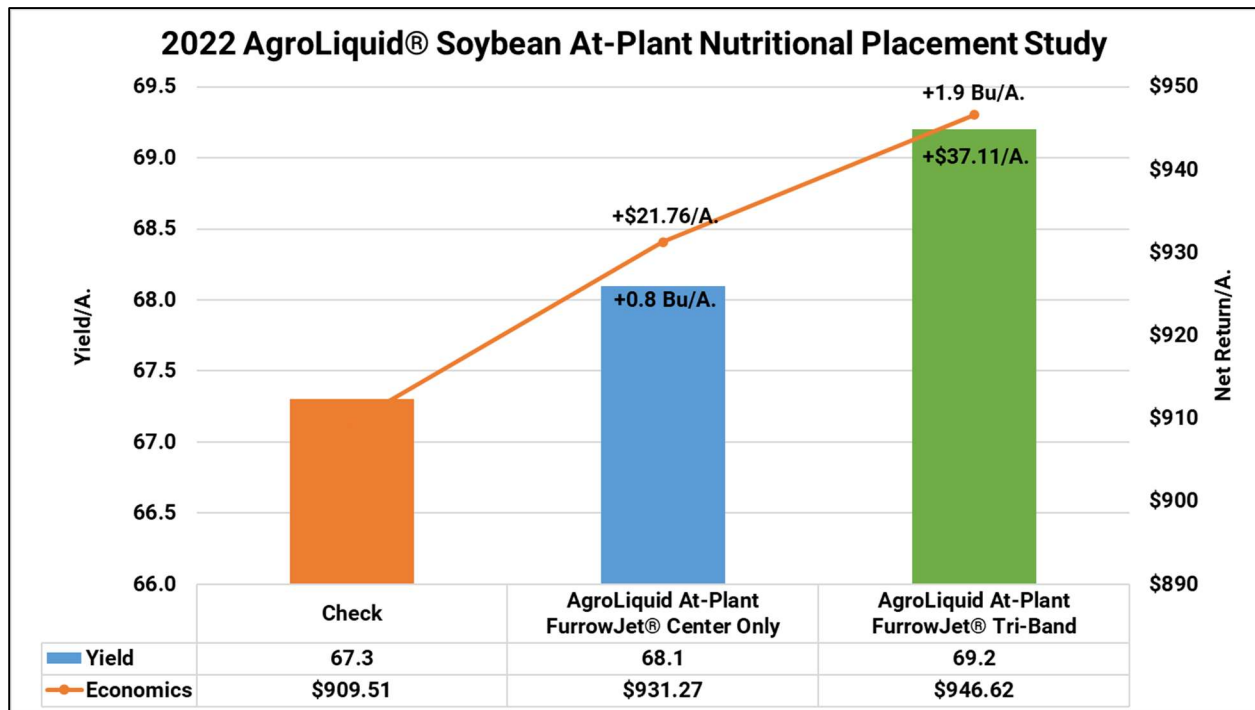


AgroLiquid® Soybean At-Plant Nutritional Placement Study

All treatments (including control) received 13.7oz/A. of Miravis® Neo at R1 and 13.7oz/A. of TrivaPro® at R3 growth stages.

Results: The table below illustrates at-plant FurrowJet center treatments achieved yields of 68.1 Bu/A., +0.8 Bu/A. and +\$21.76/A. over the control.

At-plant + FurrowJet tri-band treatments offered yields of 69.2 Bu/A., +1.9 Bu/A. and +\$37.11/A. gains over the control.



Planting Date: May 5th

Variety: Asgrow 35XF1

Population: 120K

Row Width: 30"

Rotation: BAC

SB Price: \$13.96

FurrowJet Program: \$19.41

Fert Reallocation: \$30/A.

AgroLiquid® Starter Fertilizer Study

Objective: To evaluate the yield and economic impact of a corn liquid starter fertilizer nutritional program from AgroLiquid using FurrowJet® and Conceal® (Figure 1.) The protocol consists of the following:

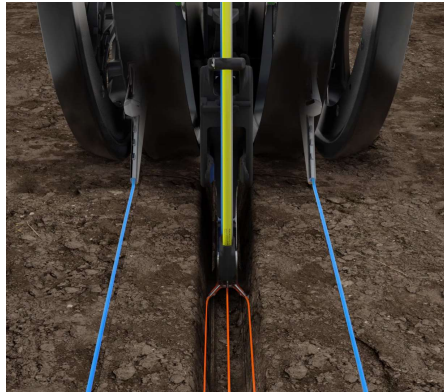


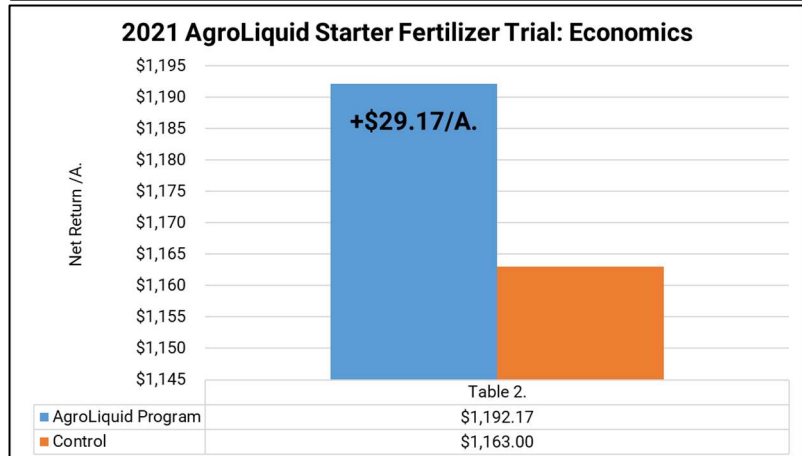
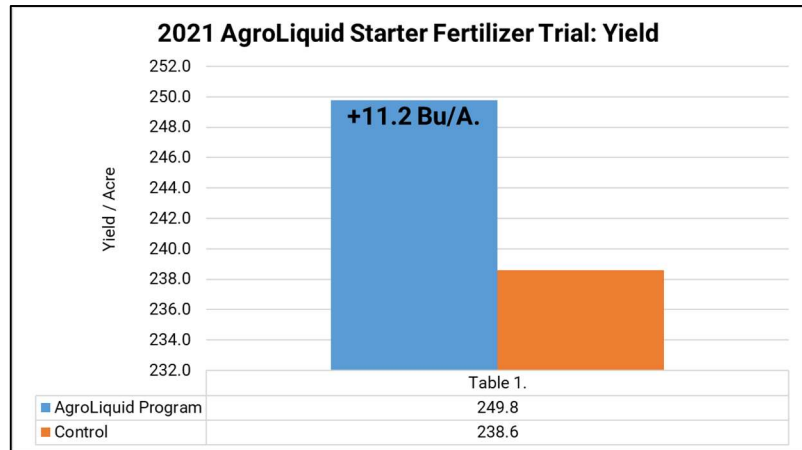
Figure 1. Conceal® and FurrowJet® Placement

Results: Table 1. illustrates the AgroLiquid fertility program achieved average yield gains of +11.2 Bu/A. Table 2. depicts net returns tallied a positive return on investment of +\$29.17/A.



Figure 2.

Product/A.		Application
3-Gal Spring-uP®	4-15-3	FurrowJet
1 Gal/A. SureK®	2-1-6	FurrowJet
0.25 Gal/A. Micro 500™	.02B-.25Cu-.37Fe-1.2Mn-1.8Z	FurrowJet
0.25 Gal/A. Manganese	4% Manganese Sulfate	FurrowJet
.125 Gal/A. eNhance™	7-0-0-8.7S-.07MN-.07Zn	Conceal
2 Gal Access®	7-0-0-17S-.25Fe-.05Mn-.05Zn	Conceal
2 Gal/A. SureK	2-1-6	Conceal



Planting Date: 4/27 Hybrid: DKC 64-64 Population: 36K Row Width: 30" Rotation: CAB Corn Price: \$5.00 \$30/A Fert. Reallocation

SpringuP: \$5.17/Gal SureK: \$6.08/Gal Micro500: \$17.18/Gal Manganese: \$19.66/Gal eNhance: \$17/Gal AccessS: \$4.81

AgroLiquid® Starter Fertilizer Study

Objective: To evaluate the yield and economic impact of a soybean liquid starter fertilizer nutritional program from AgroLiquid® using FurrowJet® and Conceal® (Figure 1.) The protocol consists of the following:

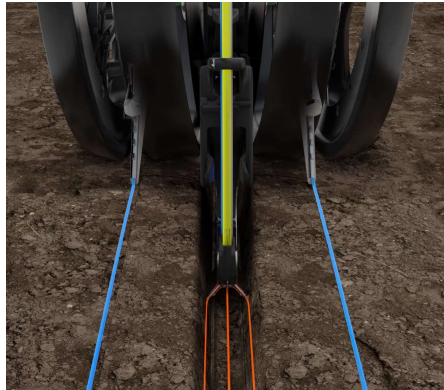


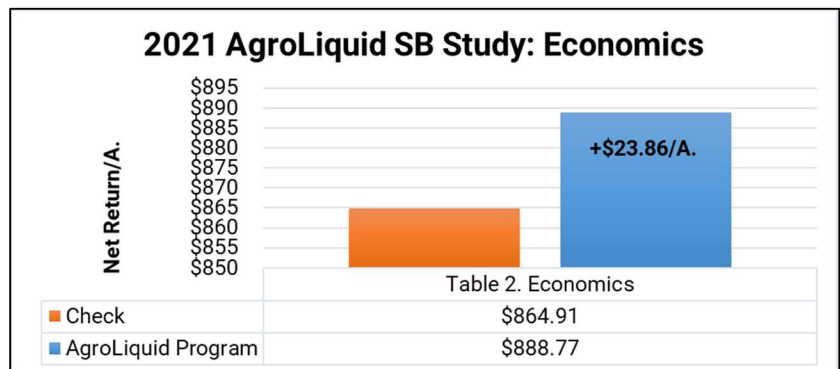
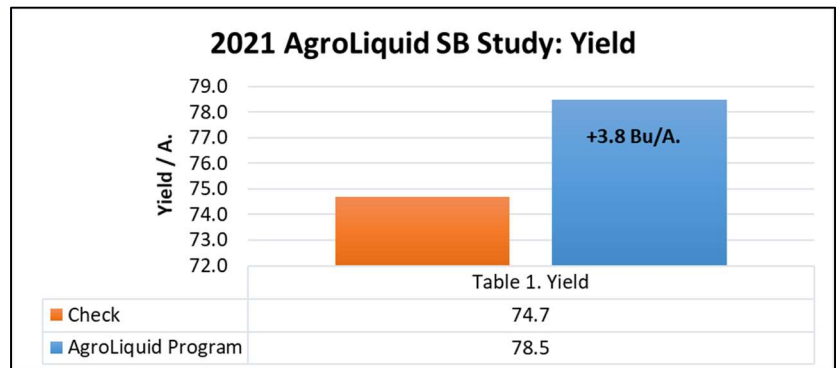
Figure 1. Conceal® and FurrowJet® Placement

Results: Table 1. illustrates the AgroLiquid fertility program achieved average yield gains of +3.8 Bu/A. Table 2. depicts net returns tallied a positive return on investment of +\$23.86/A.



Figure 2..

Product/A.		Application
2-Gal Spring-uP®	4-15-3	FurrowJet
1 Gal/A. SureK®	2-1-6	FurrowJet
0.25 Gal/A. Micro 500™	.02B-.25Cu-.37Fe-1.2Mn-1.8Z	FurrowJet
0.25 Gal/A. Manganese	4% Manganese Sulfate	FurrowJet
.125 Gal/A. eNhance™	7-0-0-8.7S-.07MN-.07Zn	Conceal
2 Gal AccessS®	7-0-0-17S-.25Fe-.05Mn-.05Zn	Conceal
2 Gal/A. SureK	2-1-6	Conceal



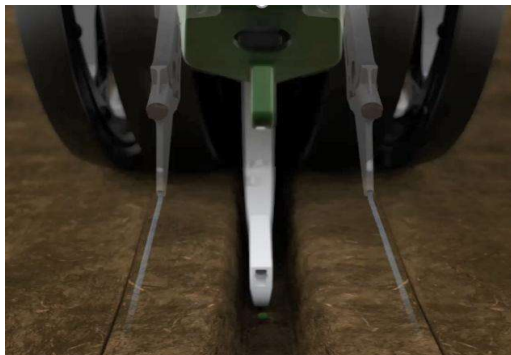
Planting Date: 4/27 Hybrid: DKC 64-64 Population: 36K Row Width: 30" Rotation: CAB Corn Price: \$5.00 \$30/A Fert. Reallocation

SpringuP: \$6.20/Gal SureK: \$6.08/Gal Micro500: \$17.18/Gal Manganese: \$19.66/Gal eNhance: \$17/Gal AccessS: \$4.81

AgroLiquid® Starter Fertilizer Study

Objective: To evaluate the yield and net return of a blend of AgroLiquid starter fertilizers (Table 1). The following products are used in this FurrowJet/Conceal relay study as a single at-plant application.

Figure 1. Conceal® and FurrowJet® Fertility Placement

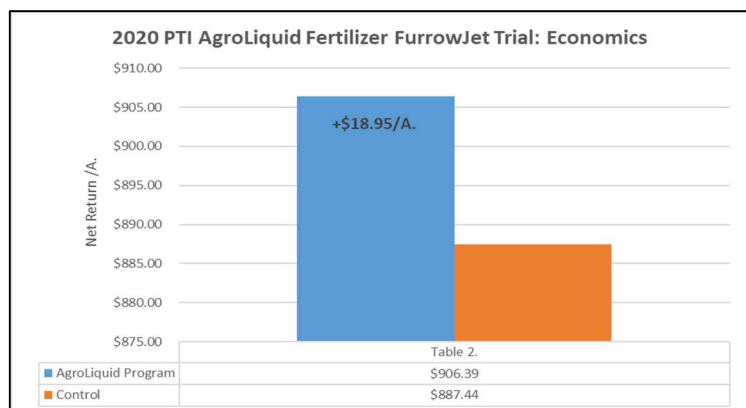
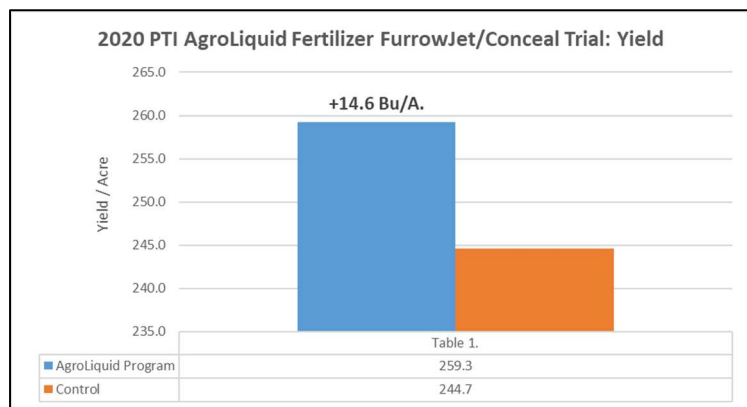


Results: Table 1. illustrates the AgroLiquid fertility program achieved an excellent average yield gain of +14.6 Bu/A. Table 2. depicts net returns tallied a positive return on investment of +\$18.95/A.



Table 1.

Product/A.		Application
2-Gal Pro-Germinator®	9-24-3	FurrowJet
3 Gal Kalibrate™	2-1-6	FurrowJet
2 Qt Micro 500	.02B-.25Cu-.37Fe-1.2Mn-1.8Zn	FurrowJet
1 Qt Manganese	4% Manganese Sulfate	FurrowJet
30 Gal UAN	32-0-0	Conceal
2 Gal access®	7-0-0-17S-.25Fe-.05Mn-.05Zn	Conceal

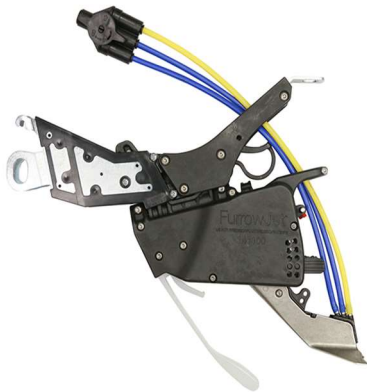


Planting Date: 5/25 Hybrid: DKC 59-82 Population: 36K Row Width: 30" Rotation: CAB Corn Price: \$3.75 \$30/A Fert. Reallocation

ProGerminator: \$6.20/Gal Kalibrate: \$6.35/Gal Micro500: \$16.78/Gal Manganese: \$20.34/Gal UAN: \$0.45 access: \$4.50

AgroLiquid® Fertilizer FurrowJet® Soybeans Study

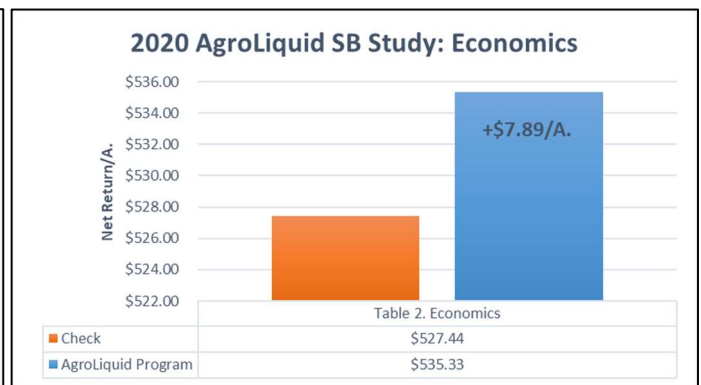
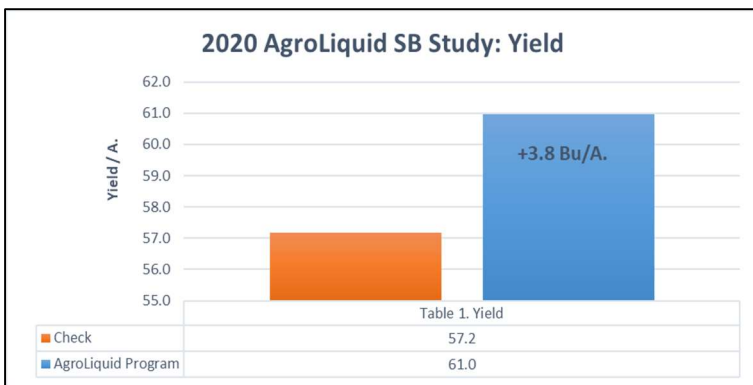
Objective: To evaluate the yield and net return of a blend of AgroLiquid starter fertilizers. The following products are used in this in-furrow study as a single at-plant application, as well as a foliar post program.



<u>Product/A.</u>		<u>Application</u>
1 Gal Pro-Germinator®	9-24-3	FurrowJet
2 Gal Sure-K	2-1-6	FurrowJet
1 Qt Micro 500 .02B-.25Cu-.37Fe-1.2Mn-1.8Zn		FurrowJet
1 Pt Boron	5%	FurrowJet
1 Gal Ferti-Rain®	12-3-3	R1 Foliar Post
1 Gal Sure-K	2-1-6	R1 Foliar Post
1 Qt Manganese	4%	R1 Foliar Post

Results: Table 1. illustrates that in-furrow and foliar AgroLiquid nutrition treatments increased average soybean yields by +3.8 Bu/A. across all replications (Table 1).

At prices listed below, this yield increase translates into a positive return on investment of +\$7.89/A. (Table 2).



Planting Date: 5/25 Hybrid: Asgrow 36X6 Population: 130K Row Width: 30" Rotation: BAC SB Price: \$9.75 ProGerm: \$6.20/Gal
 Sure-K: \$5.65/Gal Micro500: \$16.78/Gal FertiRain: \$7.10/A. Boron: \$17.50/Gal Manganese: \$20.34/Gal \$30 Fert. Reallocation