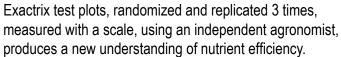


# **Exactrix Test Plot Data Confirms Nutrient Efficiency**











Exactrix owners receive \$1000 for valuable nutrient management data. Results of test plots indicate nutrients are over applied.... Why? Non uniform application of the "old fashioned" metering systems and poor timing.



Summer fallow winter wheat-tillage.
Sold to crop insurance for 6 bushel yield.



2006



## **NO-TILL, PRE-PLANT CORN PRODUCTION**





There are 10 total plots over 3 years. Large plots randomized and replicated at least 3 times. .... Of 10 total plots 8 plots are soybean corn.

There is 1 plot corn on corn in a tillage system from Wheatfield, IN....1 plot is no-till corn on corn.

Not surprising....8 plots peak and then loose yield on the yield curve when approaching standard rates.

Higher pH soils of 7.5 pH take less N and produce higher yields in general. Ray Bange, Irrigated plots.

No plots use the side dressing technique. However, planter applied, Ryan Hammes is an early indexed form of side dress.

All plots are applied 30 to 60 days ahead of planting. One plot is planter applied, Ryan Hammes of Seneca, KS.

The tillage plots have the appearance of Corn Yield curves generated at Iowa State.

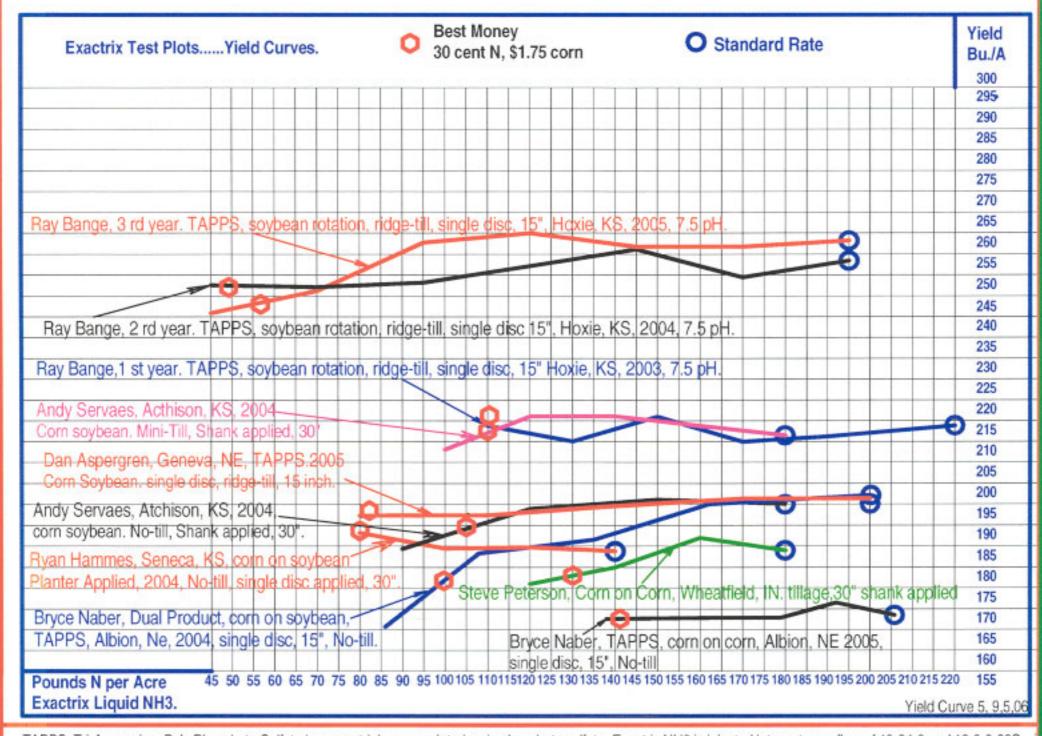
The dual placement TAPPS, No-till plots do not have the appearance of Corn Yield curves generated by Iowa State.

Based on the Exactrix plot work...all producers have reduced applied N about 40% from the standard rate.

The most outstanding results are in dual placement, TAPPS at Hoxie, Kansas, Ray Bange on 7.5 pH soil.

Irrigated plots total six. Dryland plots are high rainfall east of the 100th Meridian....Nebraska, Kansas, Indiana represented.

A total of 8 plots are No-till or Ridge-till except for Steve Peterson, Wheatfield, IN with a tillage system on 30 inch centers and Andy Servaes, Atchison, KS, on 30 inch band centers. The yield curves in tillage as single product Exactrix NH3 look similar to lowa State curves.



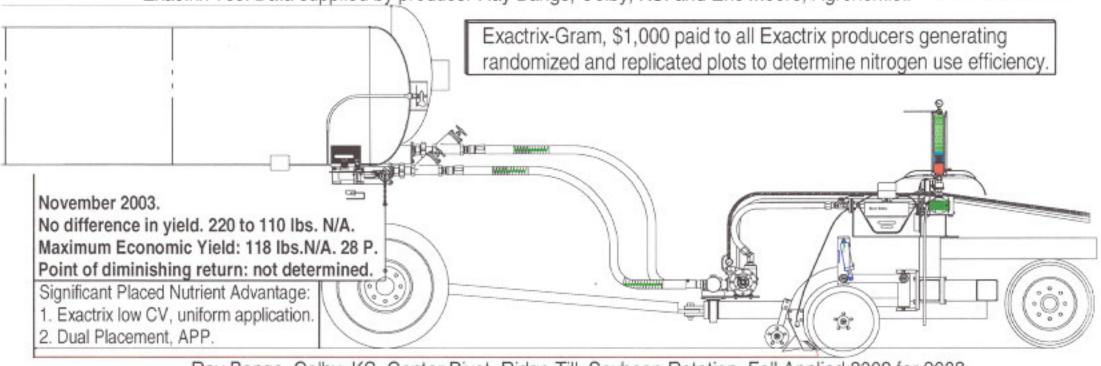
TAPPS: Tri-Ammonium Poly Phosphate Sulfate is super, triple ammoniated, poly phosphate sulfate. Exactrix NH3 is injected into a stream flow of 10-34-0 and 12-0-0-26S. A crystal nutrient material is formed in the soil. The three reacted nutrients form a uniform stream column of the most available form of placed N, P, and S. The extended result is nitrogen stabilization of about 6 to 8 weeks at temperatures above freezing. The Exactrix liquid NH3 reacts immediately forming a soil stable crystal of highly available nutrients in variable pH and variable OM soil types. TAPPS can only be formulated in the soil....never purchased...TAPPS is on site formulated with Exactrix Direct Injection Technology.

Bushels per Acre

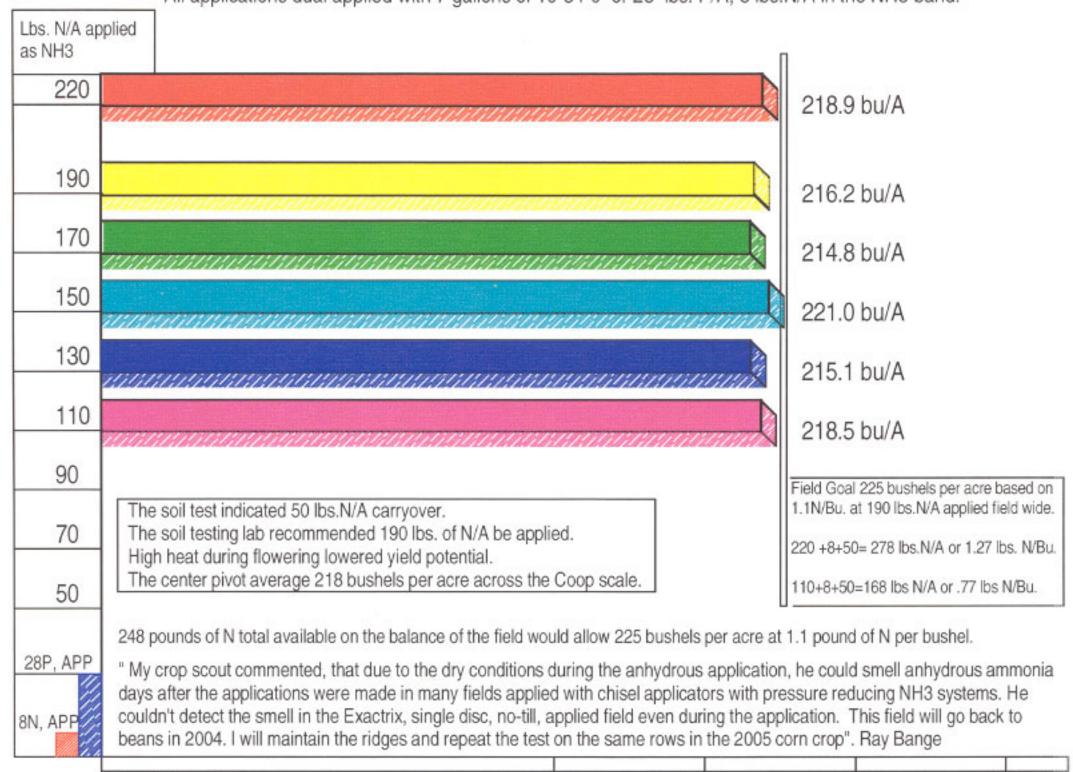
Exactrix Test Data supplied by producer Ray Bange, Colby, KS. and Eric Moore, Agronomist.



300



Ray Bange, Colby, KS, Center Pivot, Ridge Till, Soybean Rotation, Fall Applied 2002 for 2003. Exactrix 2KFT, Single Disc Bourgault, 30" centers applied 6" from side of Ridge. All applications dual applied with 7 gallons of 10-34-0 or 28 lbs. P/A, 8 lbs.N/A in the NH3 band.



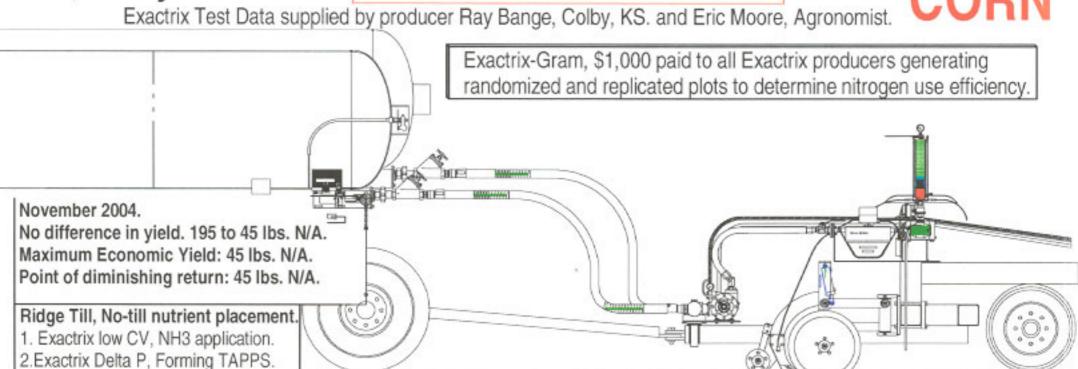
150

200

250

2004, 2nd year.

No-Tillers, Red Alert.



Ray Bange, Colby, KS, Center Pivot, Ridge Till, Soybean Rotation, Spring Applied 30 days ahead of planting. Exactrix 2KFT, Single Disc Bourgault, 15" centers. Dual application of 10-34-0, APP and 12-0-0-26S, ATS was made with an Exactrix Delta P manifold forming TAPPS crystals in the no-till placed nutrient band.

All applications were TAPPS dual applied maintaining an Ortho Ratio of 27-12-0-7S. Com Soybean rotation on 30" centers.

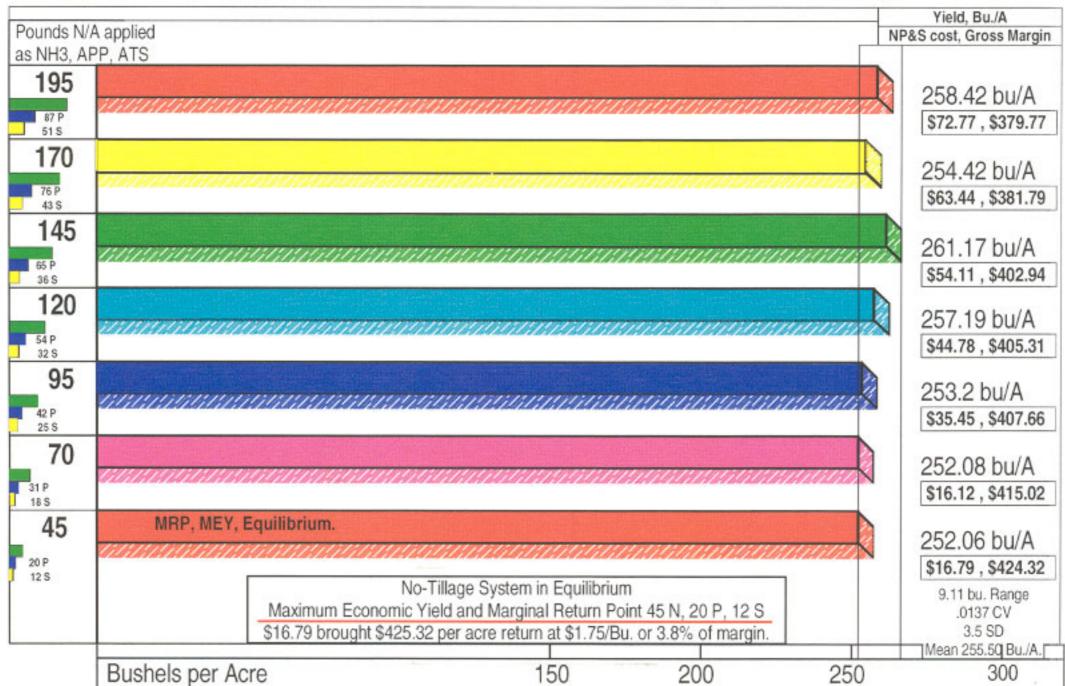
Soil lab recommendation for 200 bushel corn, 200 pounds N/A, 80 pounds P/A. 80 pounds of N expected from soybean credit and growing season mineralizations of N. S applied to stabilize the band and provide S for N and P efficiency. APP/ATS raised in Ortho Ratio to assure N performance.

Seven years of continuos No-till/Ridge till in a 7.5 to 7.8 pH at a 1.9% to 2.5% OM in the top 8 inches. The Fall soil test shows increasing OM.

Irrigated com, Golden Harvest 9250, BT and Round-up Ready, 32,000 population, Growing season cool and wet with a warm September

Pounds N/Bu. at MEY, MRP .179 lbs. N/Bu. Pounds N/Bu. supplied by OM .621 lbs.N/Bu.

A total of 156 pounds of N/A. supplied by soybean legume and the Organic Matter soil life. Soil solution P also supplied by the soil life and OM at unexpected rates.

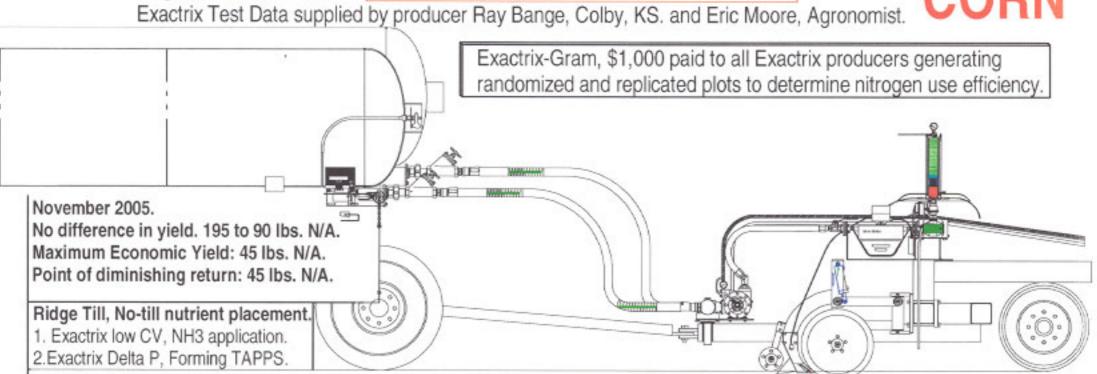


Notes: Fall soil sampling: Typical OM top 4 inches 2.8%, 4-8 inches, 2.3%. The fall soil sampling showed OM up at least .8% from spring samples of 1.9%. Field wide average across the Coop Scale was 255.45 bushels per acre. Third year testing will include tissue test and stalk nitrate test. Plots were randomized and replicated 3 times using a weigh wagon. Each plot at .51388 acres. Com Moisture adjusted to 15.5%.

#### 2005, 3rd year.

#### No-Tillers, Red Alert.





Ray Bange, Colby, KS, Center Pivot, Ridge Till, Soybean Rotation, Spring Applied 30 days ahead of planting. Exactrix 2KFT, Single Disc Bourgault, 15" centers. Dual application of 10-34-0, APP and 12-0-0-26S, ATS was made with an Exactrix Delta P manifold forming TAPPS crystals in the no-till placed nutrient band.

All applications were TAPPS dual applied maintaining an Ortho Ratio of 27-12-0-7S. Com Soybean rotation on 30" centers.

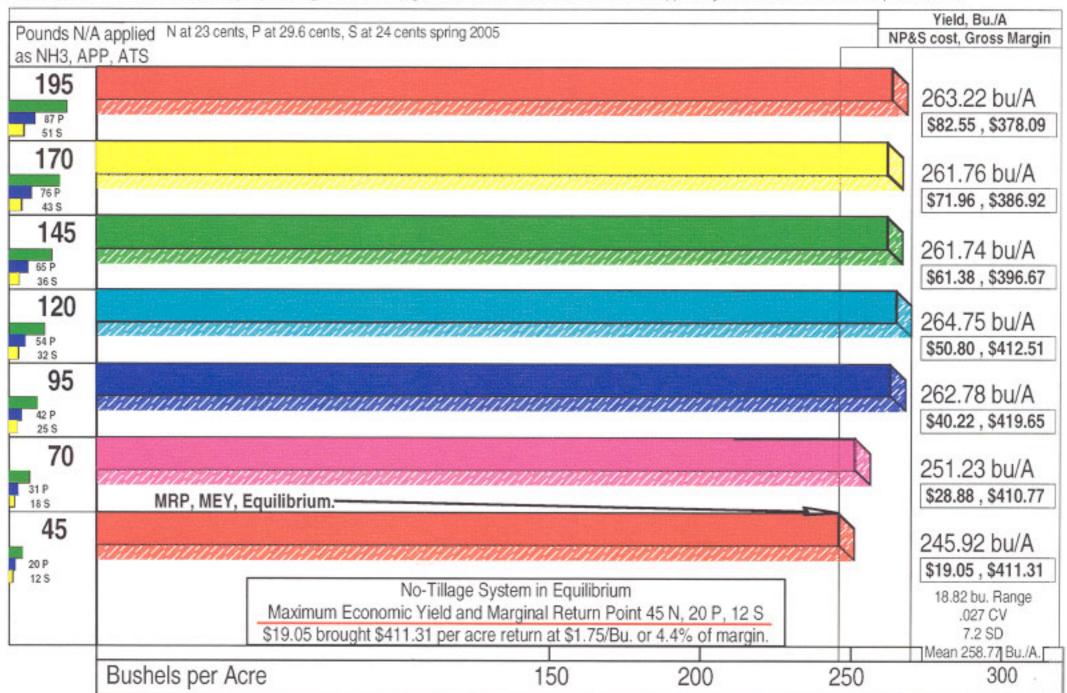
Soil lab recommendation for 200 bushel corn, 200 pounds N/A, 80 pounds P/A. 80 pounds of N expected from soybean credit and growing season mineralizations of N. S applied to stabilize the band and provide S for N and P efficiency. APP/ATS raised in Ortho Ratio to assure N performance.

Nine years of continuos No-till/Ridge till in a 7.5 to 7.8 pH at a 1.9%OM at planting to 2.5% OM fall test in the top 8 inches. The Fall soil test shows increasing OM.

Irrigated corn, Golden Harvest 9250, BT and Round-up Ready, 32,000 population, Weather considered abnormal with hot dry August winds.

Pounds N/Bu. at MEY, MRP .183 lbs. N/Bu. Pounds N/Bu. supplied by OM .617 lbs.N/Bu.

A total of 152 pounds of N/A, supplied by soybean legume and the Organic Matter soil life. Soil solution P also supplied by the soil life and OM at unexpected rates.

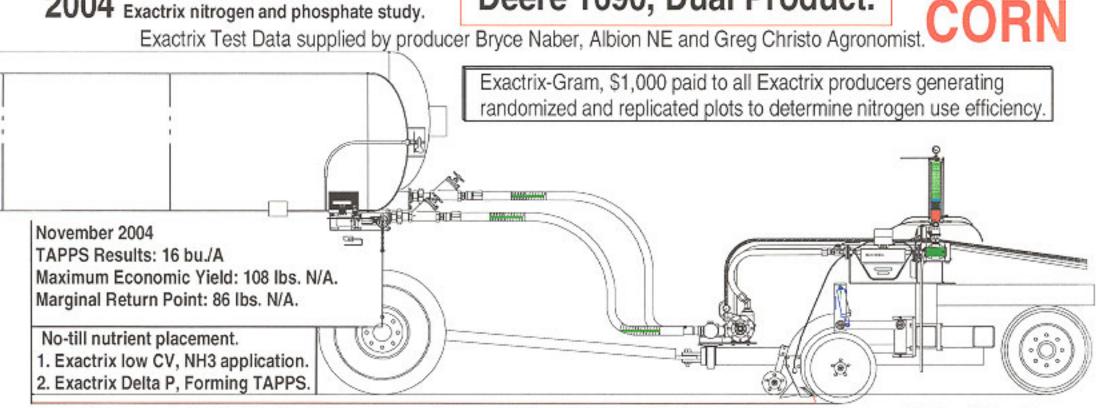


Notes: Fall soil sampling: Typical OM top 4 inches 2.8%, 4-8 inches, 2.3%. The fall soil sampling showed OM up at least .8% from spring samples of 1.9%. Third year testing will include tissue test and stalk nitrate test.

Plots were randomized and replicated 3 times using a weigh wagon. Each plot at .51388 acres. Com Moisture adjusted to 15.5%.

2004 Exactrix nitrogen and phosphate study.

#### Deere 1690, Dual Product.



Each plot was randomized and replicated three times and averaged with 6 different application rates. Bryce used his Deere 1690 on 15" band centers using Exactrix Wing Injection. The machine is set up with a 2KD Weigh Master applying at less than 1% CV, injecting liquid NH3 and the Exactrix 2KM applying APP and ATS with less than a 1% CV. Dual placement in a tight band formulating the highest available form of placed P. The rainfall pattern was 1 in 50 years. Bryce's farm received 3 rainstorms of 3" to 5" during the early growing season. The center pivots did not run in July since growing season conditions were cool and wet. Some dryland pivot corners produced as much corn as the pivots. The nutrients were applied spring pre-plant. Corn was planted timely on soybean ground. The Ortho Ratio was employed to feed the crop according to it's needs in all application ranges. ATS or THIO-SUL® was formulated with the NH3 and APP to stabilize the band and provide ammonic state nitrogen for early Cost per pound of Nutrient. N at 25 cents, P at 30 cents, S at 25 cents. Corn at \$1.75/bu. season uptake.

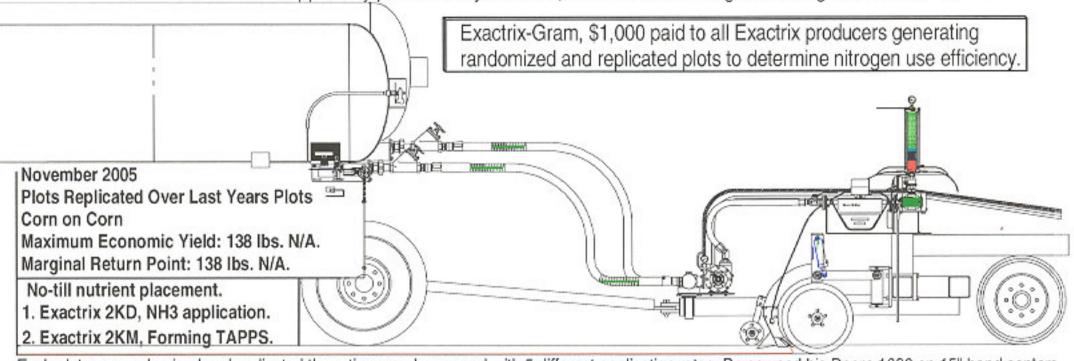
Pounds N/A	applied	650		Yield	Cost N	Gross M	Gross?
as NH3, APP	P, ATS			Bu.A	\$/A	\$1.75/Bu	\$N/\$Gr
200				202.2	80.00	274.35	22.57
72 P 42 S							
162		NEW STATE		200	70.50	279.50	20.14
72 P	Silvasona nece di Sanues an avona e della presidenza di della di la presidenza di senio ani	Nitrogen Qn	ly	184	40.50	282.00	12.5
135				191.5	57.75	277.38	17.27
60 P 30 S	let teles let til det skillet hat hat bilde til det skillet ble		MEY				
108		anne en en en en en en		188.3	47.00	282.52	14.26
48 P 28 S	5611916161616161616161616161616161616161	MRP					
86		ea arran		170.7	36.50	262.22	12.21
36 P 21 S Seed Row Starter 5N, 20 P, 2Zn	A 50 pound N/A legume N soybean credit was established. With timing and uniformity of application .7 to .8 pounds of N is requested Additional N as NH3 required to produce 1 bu, of corn at .8 pounds At the Exactrix Marginal Return Point .533 pounds of N produced 1 At the Exactrix Marginal Return Point the OM and legume N added At the Exactrix Maximum Economic Yield .600 pounds of N produce At the Exactrix Maximum Economic Yield the OM and legume N added Dual Placement TAPPS indicated 16 more bushels of corn. Soil lab recommendation was 175 pounds of N for 200 bushel/A, im The pivot comers and dryland fields at low application rates yielded and cool growing season. Bryce VR applied his grid sampled fields	uired to produce 1 bu N per bushel. Seed bu. of com. .267 pounds of N fo ed 1 bu. of com. ded .200pounds of N igated com d about the same as	row N included. r each bu. of corn. I for each bu. of corn. the pivot due to extra moist.	E: R: M: C: S:	ange 31.5 ean 190.5 oef. of Var	stem Perforr bushels. 4 bushels. riation .0656 eviation 12.5	04
	Bushels per Acre	150	200	250	1		300 -
			200	250	,		
	Caution: Applying too much pitrogen can be detrimental to the com-	cron The en	closed plots were randomiz-	ed and renlic	eated three	e times We	ioh

Caution: Applying too much nitrogen can be detrimental to the corn crop. Always keep in mind that yield reductions can occur if the producer oversupplies nitrogen. Exactrix nitrogen is 40% more crop available.

The enclosed plots were randomized and replicated three times. Weigh wagons were used. Test weight ranged from 57 to 58 pounds. Moisture was adjusted to 15.5% Pioneer Hybrid Corn 34N42 at 28,000 population.

#### Deere 1690, Dual Product.

Exactrix Test Data supplied by producer Bryce Naber, Albion NE and Greg Christo Agronomist.



Each plot was randomized and replicated three times and averaged with 5 different application rates. Bryce used his Deere 1690 on 15" band centers using Exactrix Wing Injection. The machine is set up with a 2KD Weigh Master applying at less than 1% CV, injecting liquid NH3 and the Exactrix 2KM applying APP and ATS with less than a 1% CV. Dual placement in a tight band formulating the highest available form of placed P. The rainfall pattern produced very wet conditions at planting. The severe side wall compaction and air pockets reduced stand from 31,000 to 21,000. The plots were planted too wet but yet timely 5/17/05. Weed control, Basis pre-plant, Liberty and 1 lb. Atrazine post plant.

N was raised 30 pounds to allow for the lack of the soybean N credit. The plots were placed exactly over last years plots using GPS. The nutrients were applied spring pre-plant. Corn was planted 30" on the Exactrix corn on soybean plots from the previous year. Cost per pound of Nutrient. N at 27 cents, P at 32 cents, S at 27 cents. Corn at \$1.75/bu. Harvest date 10/31/05. Full irrigation at 800 to 1000 gpm well, No-till production for 4 years.

Pounds N/A as NH3, APF		П		Yield Bu.A	48 40 TO 240 S	Gross M \$1.75/Bu	
230				173.5	80.30	223.33	26.4%
40 P 20 S							
192				176.5	70.40	238.48	22.8%
40 P 20 S 179							
40 P 20 S				172.9	66.53	236.05	22.0%
165				172.9	62.75	239.83	20.7%
40 P 20 S	MEY MRP				91		
138				172.6	55.46	246.59	18.4%
40 P 20 S	With timing and uniformity of application .7 to .8 pounds of N is Additional N as NH3 required to produce 1 bu, of corn at .8 pounds the Exactrix Marginal Return Point .862 pounds of N produce At the Exactrix Maximum Economic Yield .862 pounds of N pro	required to produce 1 bu. ands N per bushel. Seed ro ed 1 bu. of corn. duced 1 bu. of corn.	ow N included.	R M C	ange 3.84 ean 193.66 oef. of Vari	6 bushels.	
Seed Row Starter 5N, 20 P, 2Zn	Marginal Return Point Not Achieved. Nitrogen Soil lab recommendation was 230 pounds of N for 200 bushel/ Bryce VR applied his grid sampled fields with Legacy 6000 con	A. irrigated com on corn	In 2006.				
	Bushels per Acre	150	200	250	<u> </u>		300 -
	Dualiela hei voie	130	200	20	,	5.5	000

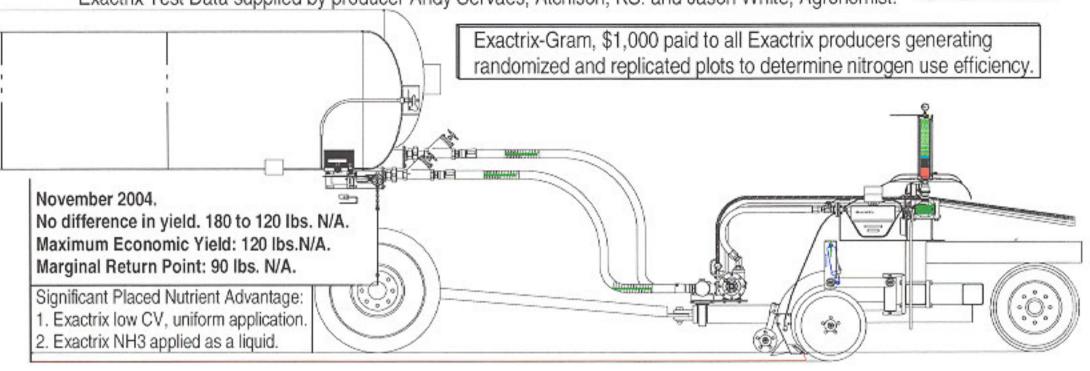
Caution: Applying too much nitrogen can be detrimental to the corn crop. Always keep in mind that yield reductions can occur if the producer oversupplies nitrogen. Exactrix nitrogen is 40% more crop available.

The enclosed plots were randomized and replicated three times. Weigh wagons were used. Test weight ranged from 57 to 58 pounds. Moisture was adjusted to 15.5% Pioneer Hybrid Corn 35Y62 at 31,000 population, 21,000 stand count.

#### 2004, Exactrix Nitrogen Study 2KF

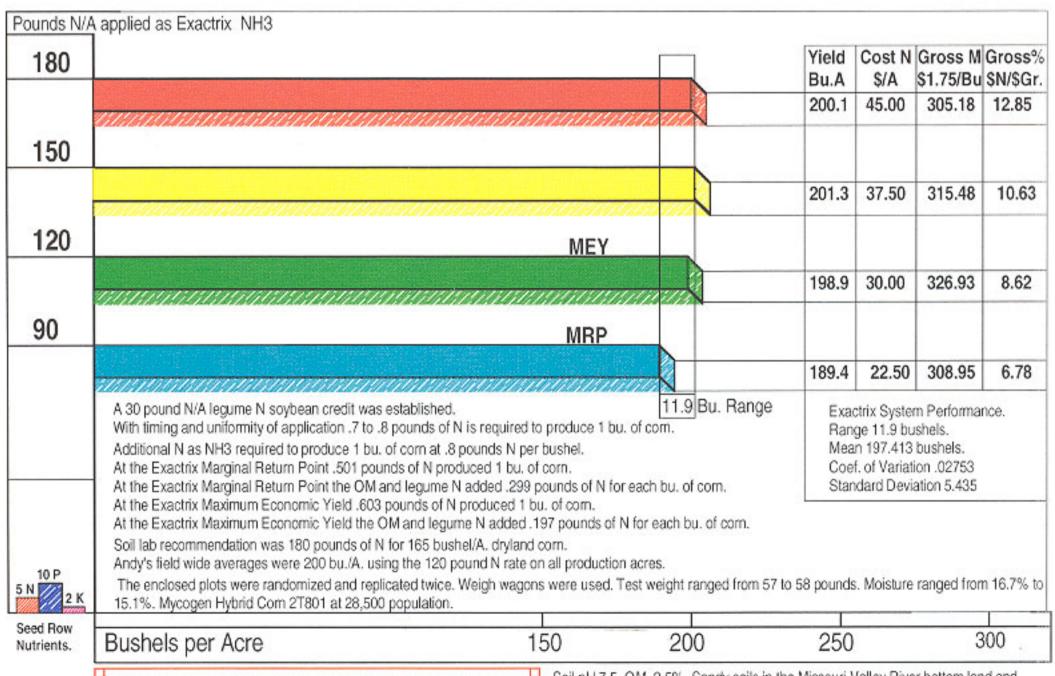
Exactrix Test Data supplied by producer Andy Servaes, Atchison, KS. and Jason White, Agronomist.





No-till producer Andy Servaes, raising dryland corn and soybean is from Atchison, KS, He raises 1,000 acres of corn and soybeans and custom applies a 3,000 acres per year. In the Spring of 2003 he used shank openers on 30" centers. In the Fall of 2004 Andy converted his tool bar to 20" centers using Bourgault single disc openers.

Andy primarily applies in the Spring. Moving the band centers to 20" allows Andy to apply at lower rates in Spring without burning corn. Andy converted to Exactrix to stop line freezing and to apply 40% more crop useable N for his customers. Some of his customers still do not believe that Exactrix does apply more crop useable N. So more tests are planned. Andy's goal is to eventually convert to dual placement and 15" band centers. Indexing and RTK guidance may allow Andy to simulate nutrient efficiency results that Ridge Tillers benefit from.



Caution: Applying too much nitrogen can be detrimental to the corn crop.

Always keep in mind that yield reductions can occur if the producer oversupplies nitrogen. Exactrix nitrogen is 40% more crop available.

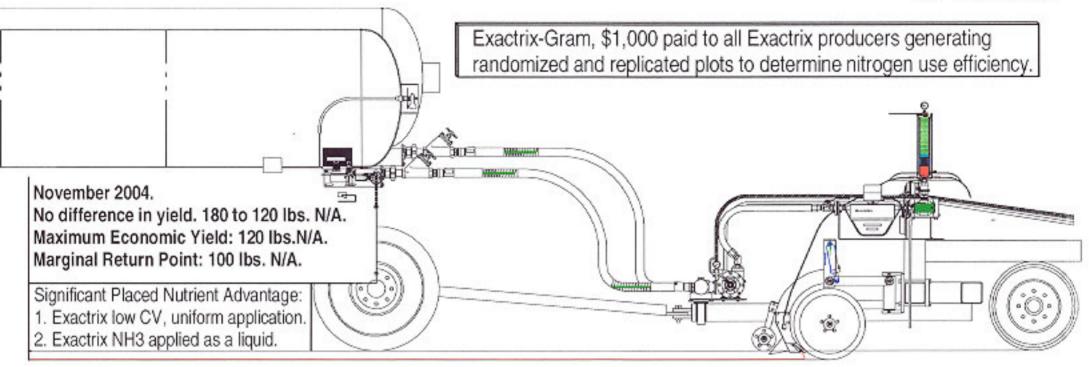
Soil pH 7.5, OM 2.5%, Sandy soils in the Missouri Valley River bottom land and rolling losss soils at breaks of the Missouri River. Wheat is produced about every 4 to 5 years. Phosphate is broadcast for wheat production. Com, Soybeans, Com Soybeans, Wheat rotation.

Test, Servaes, N rate, 11, 28,04

#### 2004, Dj, Continental Vertical Dam compared to Exactrix 2KFT

Exactrix Test Data supplied by producer Andy Servaes, Atchison, KS, Jason White of Golden Harvest assisted with the weigh wagons and plot data.





No-till producer Andy Servaes, raising dryland corn and soybean is from Atchison, KS, He raises 1,000 acres of corn and soybeans and custom applies a 3,000 acres per year. In the Spring of 2003 he used shank openers on 30" centers. In the Fall of 2004 Andy converted his tool bar to 20" centers using Bourgault single disc openers.

Andy primarily applies in the Spring. Moving the band centers to 20" allows Andy to apply at lower rates in Spring without burning corn. Andy converted to Exactrix to stop line freezing and to apply 40% more crop useable N for his customers. Some of his customers still do not believe that Exactrix does apply more crop useable N. So more tests are planned. Andy's goal is to eventually convert to dual placement and 15" band centers. Indexing and RTK guidance may allow Andy to simulate nutrient efficiency results that Ridge Tillers benefit from.

5 N 2 K Seed Row	to 58 pounds. Moisture ranged from 16.7% to 15.1%. Myco	0	0 0					
10 P	Soil lab recommendation was 180 pounds of N for 165 bus Andy's field wide averages were 200 bu./A. using the 120 p The enclosed plots were not randomized and replicated. We	Mean 211.225 bushels. Coef. of Variation .02999 Standard Deviation 6.336						
	At the Exactrix Maximum Economic Yield .57 pounds of N p At the Exactrix Maximum Economic Yield the OM and legul	produced 1 bu, of corn. the N added .23 pounds of N f		Dj,Continental Ve Range 13.90 bus	hels.	System Pe	rformano	
50	Additional N as NH3 required to produce 1 bu. of corn at .8 At the Exactrix Marginal Return Point .49 pounds of N prod At the Exactrix Marginal Return Point the OM and legume N	Coef. of Variation .01798 Standard Deviation 3.920						
	With timing and uniformity of application .7 to .8 pounds of N is required to produce 1 bu, of com.  Remember 5 pounds of N was added to the seed row in treatments.				Exactrix System Performance. Range 8.09 bushels. Mean 217.975 bushels.			
	A 30 pound N/A legume N soybean credit was established.		18 Bı	u. Total Range				
				203.2	25.00		7.03	
100			MRP	213.1	25.00	347.93	6.70	
120		No Plot	*	221.1	30.00	350.93	1.15	
120	2. 2. 2. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4. 4.	X-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	MEY	221.1	30.00	356.93	7.75	
140	* * * * * * * * * * * * * * * * * * * *			221.2	40.00	352.11 341.95	9.04	
140		Sen and Carelline of American Section 1		2010	40.00	05044	0.0	
	Dj.Commental Vertical Dam	U 4 4 4 4 4 4 4 4 6 6 6 6	a	217.1	45.00	334.25	11.07	
180	Exactrix 2KF Dj.Continental Vertical Dam	Management of the Control of the Con	Hamilton Brown	216.5 217.1	45.00 45.00	333.88 334.25	11.88	
Lbs. N/A				Bu.A		\$1.75/Bu		

Caution: Applying too much nitrogen can be detrimental to the corn crop.
Always keep in mind that yield reductions can occur if the producer oversupplies nitrogen. Exactrix nitrogen is 40% more crop available.

Soil pH 7.5, OM 2.5%, Sandy soils in the Missouri Valley River bottom land and rolling loess soils at breaks of the Missouri River. Wheat is produced about every 4 to 5 years. Phosphate is broadcast for wheat production. Com, Soybeans, Com Soybeans, Wheat rotation.

Test, Servaes sys. comp. 11,28,04

#### 2004, Exactrix Nitrogen Study 2KF

2. Exactrix NH3 applied as a liquid.

CORN

Test, Hammes, N rate, 1, 29,05

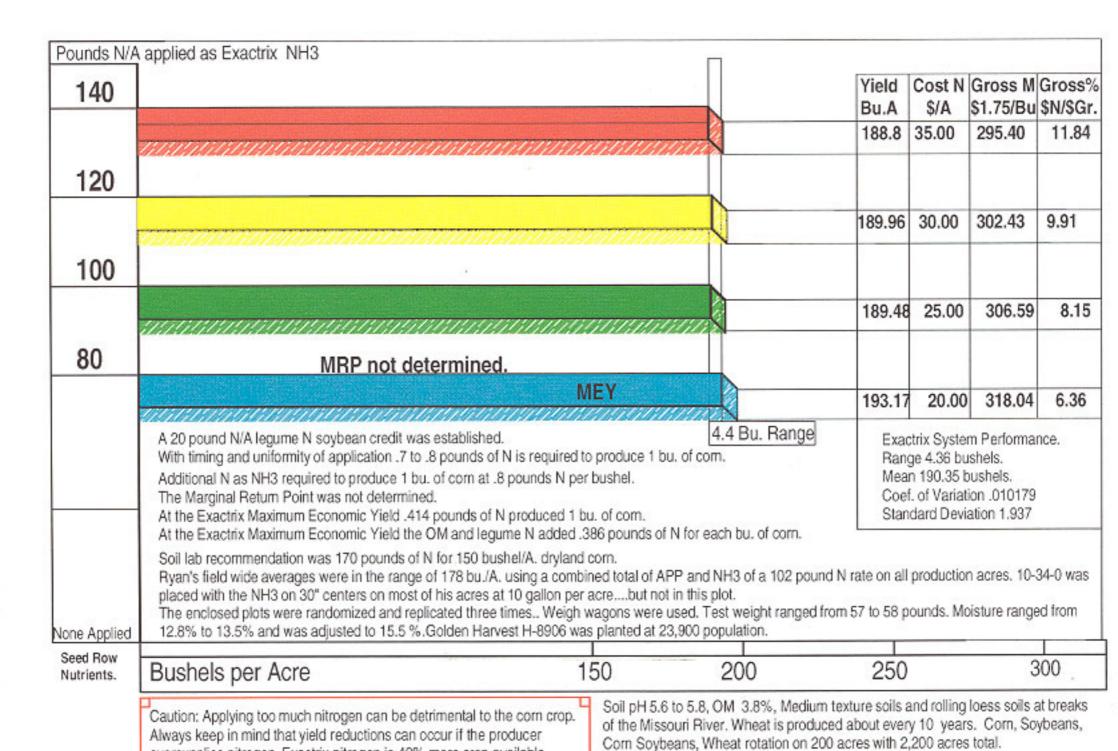
November 2004.
No difference in yield. 80 to 140 lbs. N/A.
Maximum Economic Yield: 80 lbs.N/A.
Marginal Return Point: Not determined.
Significant Placed Nutrient Advantage:

1. Exactrix Test Data supplied by producer Ryan Hammes, Seneca, KS. and Jason White, Agronomist.

Exactrix-Gram, \$1,000 paid to all Exactrix producers generating randomized and replicated plots to determine nitrogen use efficiency.

No-till producer Ryan Hammes, raising dryland corn and soybean is from Atchison, KS, He raises 2,200 acres of corn, soybeans and wheat. In the Spring of 2004 he used his Kinze Split Row Planter and banded Exactrix NH3 with double disc pusher units and Bourgault guess row return openers.

Ryan also cropped no-till corn back on harvested winter wheat resulting in a double crop. Ryan carries his ammonia trailer on a track trailer that allows the NH3 tank to be rolled up on the track group.

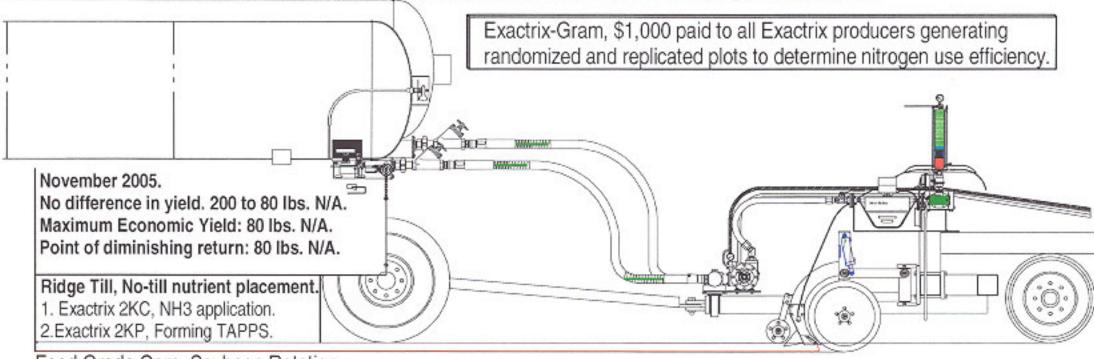


oversupplies nitrogen. Exactrix nitrogen is 40% more crop available.

#### No-Till/Ridge-Till

CORN

Exactrix Test Data supplied by producers Gene Nichols and Dan Aspergren, Geneva, NE.



#### Food Grade Corn, Soybean Rotation.

Gene Nichols, Center Pivot, Ridge Till, Soybean Rotation, Spring Applied 30 days ahead of planting.

Exactrix 2KC Single Disc Yetter with Yockey type closing wheels on 15" band centers. Dual application of 10-34-0, APP and 12-0-0-26S, ATS was made with an Exactrix Mini Man 2KP open forming TAPPS crystals in the no-till placed nutrient band.

All applications were TAPPS dual applied maintaining P and S constant and N as NH3 varied between 80 to 200 pounds N per acre.

S applied to stabilize the band and provide S for N and P efficiency. APP/ATS applied to assure N performance.

Several years of continuos No-till/Ridge till.

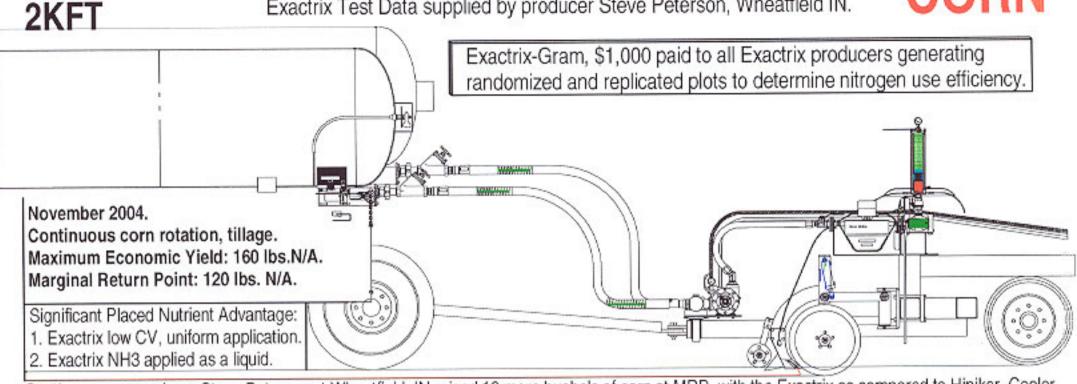
Pounds N/Bu. at MEY, MRP .4 lbs. N/Bu. Pounds N/Bu. supplied by OM .4 lbs.N/Bu.

A total of 140 pounds of N/A. supplied by soybean legume and the Organic Matter soil life. Soil solution P also supplied by the soil life and OM at unexpected rates.

ounds N/A s NH3, AP		g 2005	-	Yield, Bu./A	NP&S cost, Gross Margin	
200				201.33 bu/A	\$53.67,\$298.66	
170				201.33 bu/A	\$46.77 , \$305.56	
140			11111	199.61 bu/A	\$39.67,\$309.65	
110				197.42 bu/A	\$32.97,\$312.52	
80	MRP, MEY, Equilibrium.		an l	197.27 bu/A	\$26.07,\$319.15	
8,6\$	No-Tillage Syste  Marginal Return Point and Maximum Ecor \$26.07 brought \$319.15 per acre return at	nomic Yield not determined.		4.06 bu. Range .01 CV 1.99 SD Mean 199.32 Bu./A.		
	Bushels per Acre	150	200	250	300	

#### 2004, Hiniker, Cooler, Impellicone compared to Exactrix Exactrix Test Data supplied by producer Steve Peterson, Wheatfield IN.





Continuos corn producer Steve Peterson at Wheatfield, IN raised 16 more bushels of corn at MRP with the Exactrix as compared to Hiniker, Cooler Impellicone system.

At Maximum Economic Yield Steve raised 10 more bushels of corn with Exactrix as compared to Hiniker, Cooler, Impellicone. Steve's field wide averages were 205 bushels per acre.

Steve raises 750 acres of continuous corn and also custom applies nutrients. In 2005 Steve plans to convert from the 2KF volumetric system to the 2KC Weigh Master using Coriolis Mass Flow. He will also test dual placement with the a 15" shank type tool bar using Exactrix Delta P system. Steve has sandy soils to heavy much clay soils with pH in 6.2 range. Sulfur appears to be deficient on based on tissue samples. Steve limes every

Caution: Applying too much nitrogen can be detrimental to the corn crop. Always keep in mind that yield reductions can occur if the producer oversupplies nitrogen. Exactrix nitrogen is 40% more crop available.

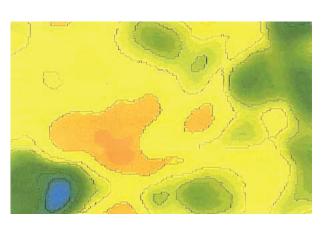
78 A C C C 1883 1894	aising pH to 6.5 to 6.7 pH. NH3 cost is pred as NH3			Yield Bu.A	Cost N \$/A	Gross N \$1.75/Bu	
180	Exactrix 2KF			189	45.00	288.88	13.61
	Hiniker, Cooler, Impellicone.	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		186	45.00	280.51	13.82
160		MEY		192	40.00	296.01	11.9
		A D D D D D D D D D D D D		182	40.00	278.51	12.56
140				185	35.00	288.75	10.81
		+ + + + + + + × + + + + + + + + + + + +		182	35.00	283.51	10.99
120		MRP	D .	181	30.00	286.75	9.47
				165	30.00	258.75	10.39
50	Additional N as NH3 required to produce 1 bu. of corn at .8 pounds N per bushel.  At the Exactrix Marginal Return Point .66 pounds of N produced 1 bu, of corn.  At the Exactrix Marginal Return Point the OM and legume N added .14 pounds of N for each bu, of corn.  At the Exactrix Maximum Economic Yield .83 pounds of N produced 1 bu, of corn.  At the Exactrix Maximum Economic Yield the OM added03 pounds of N for each bu, of corn.  Soil lab recommendation made no N recommendation. Shank tillage system, One set of plots was plowed.			Range 11 bushe Mean 186,75 bush Coef. of Variation Standard Deviati Hiniker, Cooler, I Range 21 bushe Mean 178,75 bush Coef. of Variation Standard Deviati	shels. n .0256 on 4.787 mpellicone ls. shels. n .0523	e System Pe	erformano
	The enclosed plots were randomized and replicate 34B24 at 28,500 population.	ed twice. Yield monitors were used. Pion	eer Hybrid Corn				
seed row	D 1 1 1	150	200	250	%		300
trients.	Bushels per Acre	150	/ (1) (1)	Z0U			000

Test, Peterson sys. comp. 11,28,04



### **ADVANCED CONTROL & MAPPING**





Single Product Systems, Standard Mid-Tech 6100 TASC Controller

Dual Product Systems, Standard Mid-Tech 6200 TASC Controller

Multiple Product Systems, Variable Rate Technology, Map Making Technology,

Optional Legacy 6000 Controller (As Shown)











# HIGH SPEED SINGLE DISC OPENERS PLACE NUTRIENTS WITHOUT TILLAGE























### SIDE DRESSING

No-till single disc application
Maximum nutrient efficiency
Record yields with timing
Exceptional returns on investment



