Lancaster Seed Sales

110-116RM 2024

GRAIN CORN TRIAL



BRAND	RM	HYBRID	YIELD	H20%	TW
DEKALB	112	DKC62-70	210.5	19.2	59.7
DEKALB	111	DKC111-35	202.0	19.1	60.8
DEKALB	110	DKC110-10	190.5	18.9	59.1
DEKALB	110	DKC110-41	189.2	18.2	59.9
DEKALB	114	DKC114-99	187.7	19.7	58.7
DEKALB	114	DKC64-22	184.2	19.2	60.6
AGRIGOLD	110	A640-16 3110	183.1	18.4	59.9
AGRIGOLD	113	A643-52 vt2	182.5	19.7	58.1
DEKALB	113	DKC113-83	181.8	20.1	57.8
DEKALB	112	DKC112-29	176.4	20.2	56.1
DEKALB	116	DKC66-06	175.1	19.7	59.3
AGRIGOLD	112	A642-18 ssp	175.0	19.5	57.9
AGRIGOLD	114	A644-64 vt2	173.8	19.1	59.3
AGRIGOLD	112	A642-32 vt2	172.3	19.0	61.1
BREVANT	111	B11C37AM	168.0	18.9	58.7
DEKALB	113	DKC112-12	168.0	19.1	59.0
BREVANT	112	B12H48PCE	161.5	19.8	55.9
BREVANT	113	B13C49PCE	154.2	20.1	56.4
PIONEER	111	P1136AM	151.7	18.8	59.1

Planting Date: 4/29/24

Harvest Date: 10/11/24

Plot Average: 178.3

Population: 34000

Lancaster Seed Sales

101-109RM 2024

GRAIN CORN TRIAL



BRAND	RM	HYBRID	YIELD	H20%	TW
DEKALB	103	DKC103-07	199.8	18.1	60.7
DEKALB	106	DKC106-98	193.4	18.9	58.1
DEKALB	108	DKC108-17	193.0	19.6	57.6
DEKALB	106	DKC56-26	189.7	18.6	61.5
DEKALB	109	DKC59-82	186.8	19.0	60.5
BREVANT	109	B09C43V	180.5	19.3	58.7
AGRIGOLD	106	A636-16	178.2	19.5	57.1
DEKALB	104	DKC104-08	176.6	17.8	56.6
AGRIGOLD	106	A636-39	176.3	17.9	60.6
AGRIGOLD	102	A632-68	174.5	17.6	61.0
PIONEER	109	P0924Q	173.3	19.4	58.1
AGRIGOLD	101	A631-08 vt2	171.4	17.1	52.0
AGRIGOLD	109	A639-03 vt2	169.6	18.5	57.5
BREVANT	108	B08R32AM	167.9	18.6	63.7
DEKALB	101	DKC101-35	164.2	17.2	57.4
DEKALB	102	DKC102-13	160.3	17.7	59.1
AGRIGOLD	106	A636-42 ssp	157.3	18.7	58.2
DEKALB	105	DKC105-35	141.3	18.2	58.9

Planting Date: 4/29/24

Harvest Date: 10/11/24

Plot Average: 174.5

Population: 34000



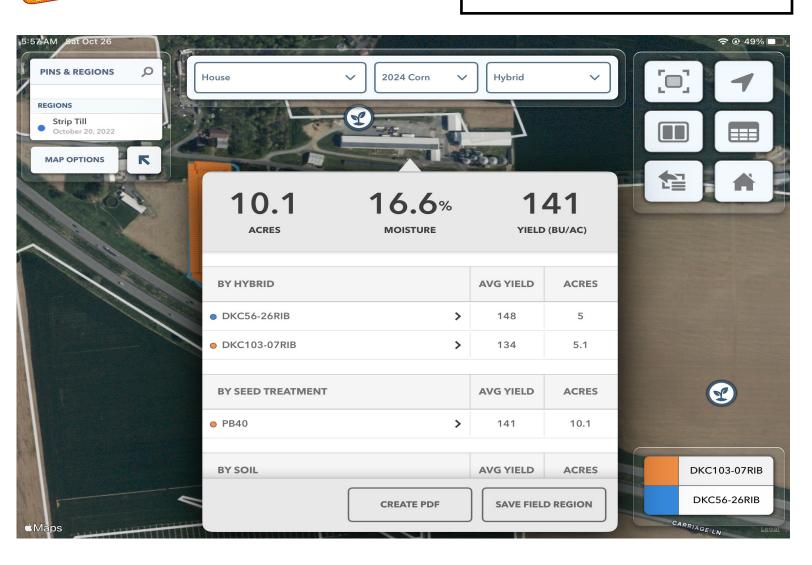
Multiple pass side by side trials



DKC56-26 = 148B/A

DKC103-07 = 134B/A

DKC56-26 = 14 Bushel advantage @ \$4.50 corn = \$63/acre advantage =\$148/bag more revenue







Multiple pass side by side trials



DECALB

DKC56-26 = 179B/A



DKC105-33 = 172B/A

56-26 = 7 Bushel advantage @ \$4.50 corn = \$31.50/acre advantage =\$74/bag more revenue

67 PM Sun Oct 13 PINS & REGIONS	N Drive	~	2024 Corn	✓ Hybrid				
4.1 ACRES	26% MOISTURE		75 (BU/AC)					
BY HYBRID		AVG YIELD	ACRES					
DKC56-26RIB	>	179	2					
• DKC105-33RIB	>	172	2					
BY SEED TREATMENT		AVG YIELD	ACRES					
● PB40	>	175	4.1					
							DKC	105-35RI
BY SOIL		AVG YIELD	ACRES				DKC	:105-33RI
	CREATE PDF		DREGION		A The		PC	4511AM
		H H	/				DK	C56-26RIE
		and a				37	DKC	C106-98RI
Maps		Contra d			5		-	a station



Multiple pass side by side trials



DKC106-98 = 5 Bushel advantage @ \$4.50 corn = \$22.50/acre advantage =\$52.87/bag more revenue



DKC106-98 = 200B/A



P0487Q = 195B/A

5 PM Sun Oct 13 PINS & REGIONS O	Stackstown	~	2024 Corn	✓ Hybrid	~) (• • 82%
pins 5.9 Acres	19.3 % MOISTURE		97 (BU/AC)				
BY HYBRID		AVG YIELD	ACRES				
DKC106-98RIB	>	200	2.9				
P0487Q	>	195	2.9				
BY SEED TREATMENT		AVG YIELD	ACRES				
PB40	>	197	5.9		117		1136AM
BY SOIL		AVG YIELD	ACRES				C56-26RIB
	CREATE PDF	SAVE FIEL	DREGION			DKC	C106-98RIB
						A63	6-16VT2RIE
							P0487Q



Multiple pass side by side trials



DKC106-98 = 4 Bushel advantage @ \$4.50 corn = \$18/acre advantage =\$42.30/bag more revenue



DKC56-26 = 203B/A

DKC106-98 = 207B/A

56 PM Sun Oct 13 PINS & REGIONS PINS PINS Noticeably shorter corn June 9, 2021 Short corn June 9, 2021	Stackstown	25.9 ACRES	19.7 % MOISTURE		 2 ⊕ 81% [0 5 (BU/AC)
• Start of BYDV March 27, 2023		BY HYBRID		AVG YIELD	ACRES
		DKC106-98RIB	>	207	12.7
		DKC56-26RIB	>	203	13.2
E		BY SEED TREATMEN	NT	AVG YIELD	ACRES
	*	• PB40	>	205	25.9
	•	BY SOIL		AVG YIELD	ACRES
			CREATE PDF	SAVE FIELD	REGION
				DK	C106-98RIB
				A63	86-16VT2RIB
·					P0487Q
Maps					

Previous Crop: Beans Planting Date: 5/2/24 Harvest Date: 10/8/24 Field Average : 195 B/A



Multiple pass side by side trials



DEKAB

DKC56-26 = 143B/A

DEKAB

DKC106-98 = 127B/A

DKC56-26 = 16 Bushel advantage @ \$4.50 corn = \$72/acre advantage =\$169.20/bag more revenue

59 PM Sun Oct 13 PINS & REGIONS	Bossler	~	2024 Corn	← Hybrid	~		1 २ € 80%
PINS Eicld Bin Son 11 2010 7.7 ACRES	19.6% moisture		35 (BU/AC)		*		
BY HYBRID		AVG YIELD	ACRES				7
DKC56-26RIB	>	143	3.9			15	
DKC106-98RIB	>	127	3.8				
BY SEED TREATMENT		AVG YIELD	ACRES				
• PB40	>	135	7.7			-	
BY SOIL		AVG YIELD	ACRES				
	CREATE PDF	SAVE FIEL	DREGION				DKC56-26RIB
Aaps							DKC106-98RIB

Previous Crop: Beans Planting Date: 5/3/24 Harvest Date: 10/8-24 Field Average : 135B/A



DKC106-98 = 193B/A

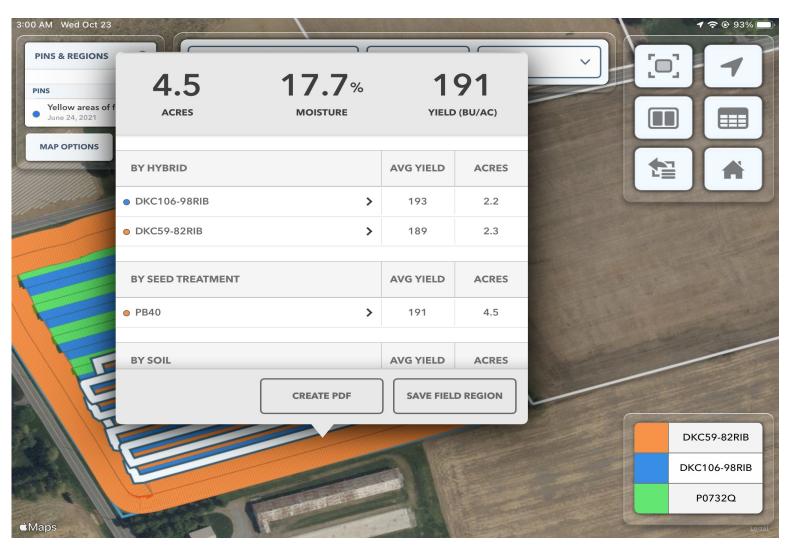
DKC59-82 = 189B/A

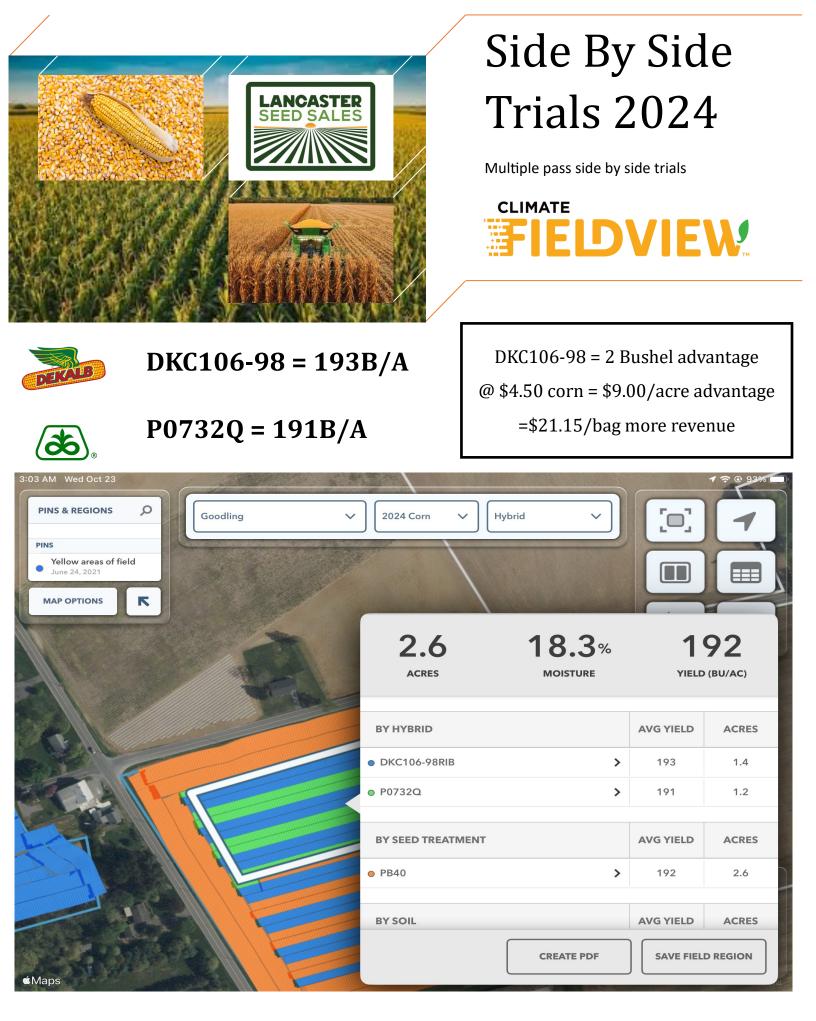
Side By Side Trials 2024

Multiple pass side by side trials



DKC106-98 = 4 Bushel advantage @ \$4.50 corn = \$18.00/acre advantage =\$42.30/bag more revenue







Multiple pass side by side trials



DKC59-82 = 33 Bushel advantage @ \$4.50 corn = \$148.5/acre advantage =\$348.9/bag more revenue

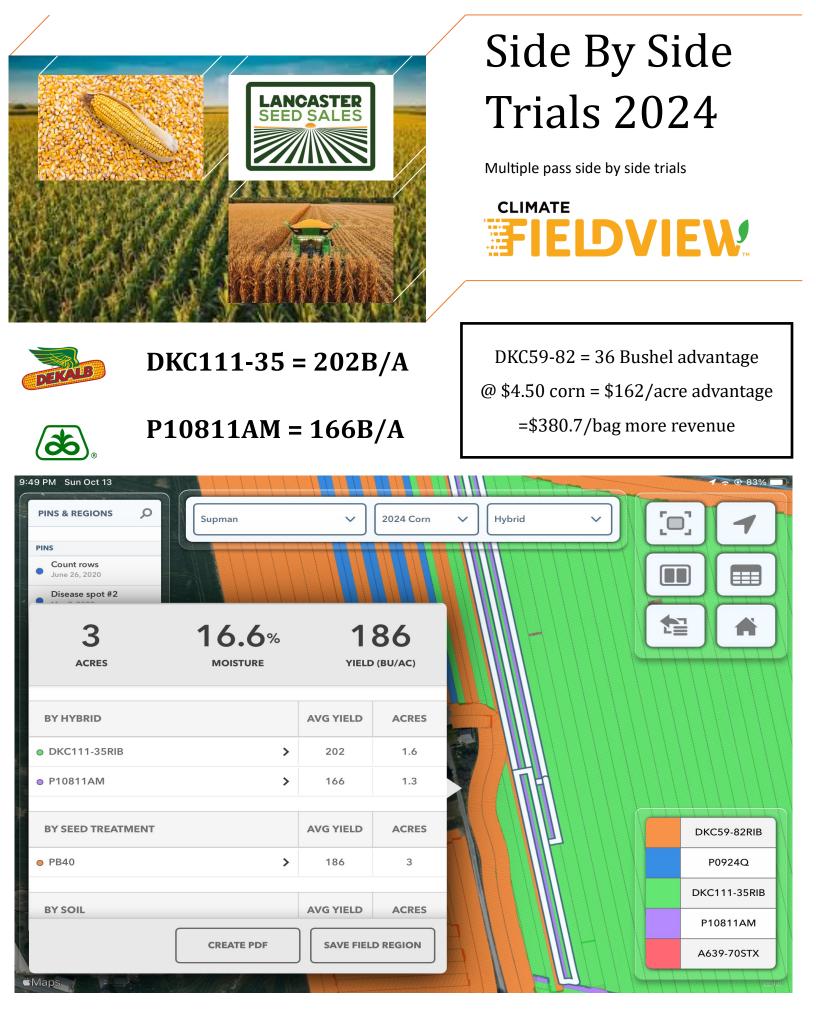


DKC59-82 = 163B/A



P0924Q = 130B/A

	Supman	✓ 2024 Corn	Hybrid		
PINS					
Count rows June 26, 2020		3.8	18.9%	14	47 🔳
Disease spot #2 May 9, 2022		ACRES	MOISTURE	YIELD	(BU/AC)
Field Pin Jun 13, 2023 June 13, 2023	F Free				
Field Pin Jun 13, 2023 June 13, 2023		BY HYBRID		AVG YIELD	ACRES
Field Pin Jun 13, 2023 June 13, 2023		DKC59-82RIB	>	163	2
Field Pin Jun 13, 2023 June 13, 2023		P0924Q	>	130	1.9
Field Pin Jun 13, 2023 June 13, 2023					
Field Pin Jun 13, 2023 June 13, 2023		BY SEED TREATMENT		AVG YIELD	ACRES
Field Pin Jun 13, 2023 June 13, 2023		PB40	>	147	3.8
Field Pin Jun 13, 2023					-82R
Field Pin Oct 25, 2020 October 25, 2020		BY SOIL		AVG YIELD	ACRES 24Q
Field Pin Oct 25, 2020 October 25, 2020			CREATE PDF		D REGION 1-35
Leaf disease May 9, 2022 MAP OPTIONS					P10811AN A639-70ST





Multiple pass side by side trials



DKC111-35 = 25 Bushel advantage @ \$4.50 corn = \$112.50/acre advantage =\$264.37/bag more revenue



P1136AM = 172B/A

DKC111-35 = 197B/A

9:43 PM Sun Oct 20	~	2024 Corn 🗸 Hyb	rid V		1 - @ 62%
			M/		
		2 ACRES	17.9% moisture		85 (BU/AC)
		BY HYBRID		AVG YIELD	ACRES
		DKC111-35RIB	>	197	1
		• P1136AM	>	172	1
		BY SEED TREATMENT		AVG YIELD	ACRES
		PB40	>	185	2
		BY SOIL		AVG YIELD	ACRES
¢Maps			CREATE PDF	SAVE FIELD	REGION



Multiple pass side by side trials



DEKAB

DKC 64-22 = 192B/A

AgriGold[®]

A643-52VT2 = 193B/A

A643-52VT2 = 1 Bushel advantage @ \$4.50 corn = \$4.50/acre advantage =\$10.50/bag more revenue

6:18 AM Tue Oct 15			· ····			1 २ € 96% 🗖
PINS & REGIONS O	Cell Tower					
REGIONS		21	18.6%	1	93	
• Field Region Sep 29, 2 September 29, 2019		ACRES	MOISTURE		(BU/AC)	
• Field Region Sep 29, 2 September 29, 2019						
		BY HYBRID		AVG YIELD	ACRES	
		A643-52VT2P	>	193	10.3	
		DKC64-22RIB	>	192	10.7	
		BY SEED TREATMENT		AVG YIELD	ACRES	
		• PB40	>	193	21	
		BY SOIL		AVG YIELD	ACRES	64-22RIB
			CREATE PDF	SAVE FIEL	DREGION	3-52VT2P
				an a	Dk	C113-83RIB
						P1383AM
					Dk	(C114-99RIB
• Maps						Legal

Previous Crop: Beans Planting Date: 4/30/24 Harvest Date: 10/14/24 Field Average : 180B/A



Multiple pass side by side trials



DKC64-22 = 29Bushel advantage @ \$4.50 corn = \$130.50/acre advantage =\$306.67/bag more revenue



P1383AM = 167B/A

DKC64-22 = 196B/A

PINS & REGIONS O	Cell Tower 🗸	2024 Corn 🗸	Hybrid	~)	
REGIONS			1 Contraction		
Field Region Sep 29, 2 September 29, 2019					
Field Region Sep 29, 2 September 29, 2019					
MAP OPTIONS	5	18.4%	1	82	
	ACRES	MOISTURE		(BU/AC)	
	BY HYBRID		AVG YIELD	ACRES	
	• DKC64-22RIB	>	196	2.5	
	● P1383AM	>	167	2.5	
	BY SEED TREATMENT		AVG YIELD	ACRES	DKC64-22RI
	● PB40	>	182	5	A643-52VT2
the second second					DKC113-83R
and the second s	BY SOIL		AVG YIELD	ACRES	P1383AM
		CREATE PDF	SAVE FIELD		DKC114-99R



Multiple pass side by side trials



DEVAIB

DKC64-22 = 192 B/A



DKC113-83 = 177B/A

DKC64-22 = 15 Bushel advantage @ \$4.50 corn = \$67.5/acre advantage =\$158.60/bag more revenue

PINS & REGIONS P	~	2024 Corn	✓ Hybrid		
Field Region Sep 29, 2 September 29, 2019					
Field Region Sep 29, 2 September 29, 2019					
4.1 ACRES	18.9 % MOISTURE		84 (BU/AC)		
BY HYBRID		AVG YIELD	ACRES		
• DKC64-22RIB	>	192	2.1		2
• DKC113-83RIB	>	177	2		
BY SEED TREATMENT		AVG YIELD	ACRES		DKC64-22RIB
• PB40	>	184	4.1		A643-52VT2P
BY SOIL		AVG YIELD	ACRES		DKC113-83RIE P1383AM
	CREATE PDF	SAVE FIELI	REGION	THE DESCRIPTION	DKC114-99RIE



Multiple pass side by side trials





DKC64-22 = 182B/A

DEKAIB

DKC114-99 = 178B/A

DKC64-22 = 4 Bushel advantage @ \$4.50 corn = \$18/acre advantage =\$42.30/bag more revenue

8 AM Tue Oct 15 PINS & REGIONS PINS & Cell Tower	× 2024	Corn 🗸	Hybrid V	
REGIONS Field Region Sep 29, 2 September 29, 2019 Field Region Sep 29, 2 September 29, 2019				
MAP C 3.2 18.3% ACRES MOISTURE		80 D (BU/AC)		
BY HYBRID	AVG YIELD	ACRES		
• DKC64-22RIB	> 182	1.6		
• DKC114-99RIB	178	1.6		
BY SEED TREATMENT	AVG YIELD	ACRES		DKC64-22RIB
• PB40	> 180	3.2		A643-52VT2P
				DKC113-83RIB
BY SOIL		ACRES		P1383AM
CREATE PDF	SAVE FIE	LD REGION		DKC114-99RIB
Maps				

Previous Crop: Beans Planting Date: 4/30/24 Harvest Date: 10/14/24 Field Average : 180B/A



Multiple pass side by side trials



DEKAB

DKC 62-69 = 219B/A

P1587Q = 206B/A

DKC 62-69 = 13 Bushel advantage @ \$4.50 corn = \$58.5/acre advantage =\$137.5/bag more revenue

PINS & REGIONS D	Pig Houses	✓ 2024 Corn ✓	Hybrid 🗸		1
PINS					
Field Pin Dec 10, 2021 December 10, 2021					
Field Pin Dec 10, 2021 December 10, 2021		4.1	21.1%	2	12
Field Pin Dec 10, 2021 December 10, 2021		ACRES	MOISTURE		
Field Pin Jun 14, 2023 June 14, 2023					
Field Pin May 10, 2023 May 10, 2023		BY HYBRID		AVG YIELD	ACRES
Start March 27, 2021		• DKC62-69RIB	>	219	2
• Stop March 27, 2021		• P1587Q	>	206	2
• stop March 27, 2021					
REGIONS		BY SEED TREATMENT		AVG YIELD	ACRES
Field Region Jul 24, 2020		• PB40	>	212	4.1
Field Region Jun 14, 20					
		BY SOIL		AVG YIELD	ACRES
MAP OPTIONS			CREATE PDF	SAVE FIELD	REGION
				DK	C114-99RIE





Previous Crop: CORN Planting Date: 5-22-24 Harvest Date: 10/21/24 Field Average : 202B/A







TRIALS 2024

REPLICATED TRIAL DATA

CHECK STRIP = 166.2 B/A

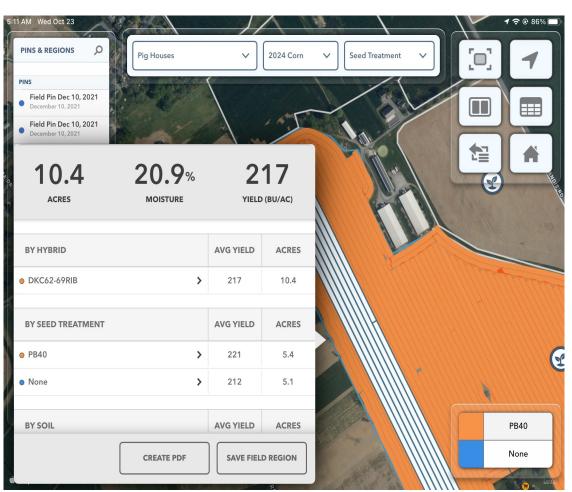
PIVOT BIO PROVEN 40 = 173.8 B/A

PIVOT BIO PROVEN 40 + 40LB SIDEDRESS = 178.7

PIVOT BIO PROVEN 40 = 7.6 B/A INCREASE OVER CHECK

PIVOT BIO PROVEN 40 + 40LB SIDEDRESS = 4.9 B/A INCREASE OVER PIVOT ALONE

CONCLUSION—PIVOT BIO PROVN 40 WAS AS OR MORE EFFECTIVE THAN 40LB SIDEDRESS N



SIDE BY SIDE TRIAL

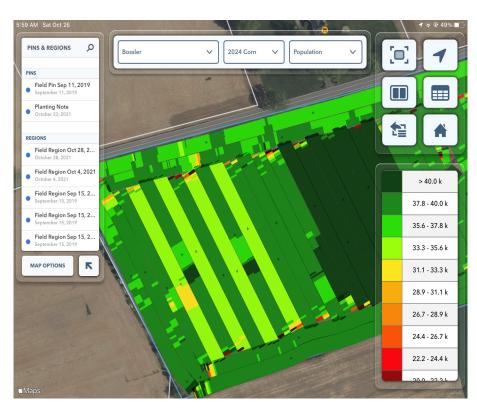
This season in side by side trials Pivot Bio Proven 40 averaged 9B/A more than non treated check.

Lancaster Seed Sales

Population

TRIAL 1 = 34K vs. VRT = VRT + 2B/A TRIAL 2 = 34K vs. VRT = VRT + 0B/A TRIAL 3 = 34K vs. VRT = VRT + 4B/A

This season we again tested VRT vs. fixed rate populations. With severe drought conditions we were worried our higher populations would negatively affect yield. After analyzing the yield data we concluded that we had slight gains in yield in 2 out of the 3 trials.



Conclusion

This season VRT planted corn averaged a 2 bushel advantage in our 3 field trials. Figuring in the price of corn seed vs the increase in planting rate we were -\$2 in profit/acre

Note: This is the first time in 4 years of VRT trials we were in the negative in NET profit



TASSLE FUNGICIDE 2024



TRIALS 2024

#1 = 5 B/A INCREASE IN YIELD VS. NO FUNGICDE #2 = 15 B/A INCREASE VS NO FUNGICIDE #3 = 6 B/A INCREASE VS NO FUNGICIDE OVERALL FUNGICIDE INCREASED YIELD BY AN AVERAGE OF 8.7 B/A