

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

General Trial Information

Study Director: Bryan Young
Investigator: Bryan Young **Title:** Professor

Trial Status: F - one-year/final
Initiation Date: 5-23-12

Trial Location

City: Belleville
State/Prov.: IL
Postal Code: 62221
Country: USA

Objectives:

Evaluate the performance of Syngenta Seed and Crop Protection Programs in soybean.

Personnel

Study Director: Bryan Young
Investigator: Bryan Young **Title:** Professor
Affiliation: Southern Illinois University
Address: 1205 Lincoln Drive - AG 176 - MC 4415
Location: Carbondale IL
Postal Code: 62901 **E-mail:** bgyoung@siu.edu
Phone No.: 618-453-7679 **Mobile No.:** 618-713-6471

Crop Description

Crop 1: GLXMA Glycine max Soybean
Variety: See treatment list
BBCH Scale: BSOY **Planting Date:** 5-23-12
Planting Method: SEEDED Seeded **Rate, Unit:** 75 LB/A
Depth, Unit: 1 IN
Row Spacing, Unit: 30 IN

Pest Description

Pest 1 Type: W **Code:** IPOHE - Ipomoea hederacea (L.) Jacq.
Common Name: morningglory, ivyleaf

Pest 2 Type: W **Code:** AMATA - Amaranthus rudis Sauer
Common Name: waterhemp, common

Pest 3 Type: W **Code:** CHEAL - Chenopodium album L.
Common Name: lambsquarters, common

Pest 4 Type: W **Code:** PANDI - Panicum dichotomiflorum Michx.
Common Name: panicum, fall

Pest 5 Type: W **Code:** ABUTH - Abutilon theophrasti Medik.
Common Name: velvetleaf

Site and Design

Plot Width, Unit: 20 FT **Site Type:** FIELD field
Plot Length, Unit: 50 FT
Plot Area, Unit: 1000 FT2 **Tillage Type:** REDTIL reduced-till
Replications: 3 **Study Design:** RACOB� Randomized Complete Block (RCB)

No.	Previous Crop	Year
1.	ZEAMD	2011

Maintenance

No.	Maintenance Treatment Name
1.	N 0 LB/A, P205 50 LB/A, K20 100 LB/A

Soil Description

% OM: 1.9 **Texture:** SIL SILT LOAM
pH: 6.5 **Soil Name:** BETHALTO
CEC: 13

Additional Measured Elements

Element	Quantity	Unit
P1	74	LB/A
K	320	LB/A

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Moisture and Weather Conditions

Overall Moisture Conditions: BELNOR below normal
Closest Weather Station: ICN - Belleville IL **Distance, Unit:** 0.5 MI

No.	Date	Amount	Unit	Type	Type Description	Interval	Unit	Min Temp	Max Temp	Temp Unit
1.	4-24-12					7	DAY	42.6	74.3	F
2.	4-29-12	3.06	IN	RAIN	rain					
3.	4-30-12	0.66	IN	RAIN	rain					
4.	5-1-12	0.13	IN	RAIN	rain					
5.	5-1-12					7	DAY	33.5	76	F
6.	5-4-12	0.25	IN	RAIN	rain					
7.	5-7-12	0.29	IN	RAIN	rain					
8.	5-8-12					7	DAY	47.5	87.8	F
9.	5-15-12					7	DAY	37.7	81.3	F
10.	5-21-12	0.18	IN	RAIN	rain					
11.	5-22-12					7	DAY	47.6	82.3	F
12.	5-29-12					7	DAY	48.1	90	F
13.	5-30-12	0.07	IN	RAIN	rain					
14.	5-31-12	0.21	IN	RAIN	rain					
15.	6-5-12					7	DAY	50.2	90.1	F
16.	6-11-12	0.75	IN	RAIN	rain					
17.	6-12-12					7	DAY	52.4	93.6	F
18.	6-17-12	0.36	IN	RAIN	rain					
19.	6-19-12					7	DAY	56.3	94	F
20.	6-26-12					7	DAY	51.8	105.4	F
21.	7-3-12					7	DAY	68.9	104.7	F
22.	7-8-12	0.28	IN	RAIN	rain					
23.	7-10-12					7	DAY	63.4	95	F
24.	7-17-12					7	DAY	61	102.2	F
25.	7-24-12					7	DAY	61	103	F
26.	7-29-12	0.15	IN	RAIN	rain					
27.	7-31-12					7	DAY	60.2	99.1	F
28.	8-5-12	0.18	IN	RAIN	rain					
29.	8-7-12					7	DAY	50.2	99.8	F
30.	8-13-12	0.88	IN	RAIN	rain					
31.	8-14-12					7	DAY	51	95.6	F
32.	8-17-12	1.19	IN	RAIN	rain					
33.	8-21-12					7	DAY	54.7	94.2	F
34.	8-26-12	0.04	IN	RAIN	rain					
35.	8-27-12	1.66	IN	RAIN	rain					
36.	8-31-12	0.11	IN	RAIN	rain					

Application Description

	A	B	C	D
Application Date:	5-25-12	6-22-12	7-13-12	8-1-12
Time of Day:	8:30	9:30	11:00	8:00
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	PRE	4-6"W	21DA-B	R3
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	LAH	LAH	RFK	LAH
Air Temperature, Unit:	81 F	81 F	86 F	82 F
% Relative Humidity:	65	49	59	69
Wind Velocity, Unit:	2 MPH	5 MPH	5 MPH	6 MPH
Wind Direction:	S	N	E	E
Dew Presence (Y/N):	N no	N no	N no	N no
Soil Temperature, Unit:	69 F	76 F	81 F	82 F
Soil Moisture:	BELNOR	BELNOR	BELNOR	BELNOR
% Cloud Cover:	0	20	0	30
Next Rain Occurred On:	5-31-12	7-8-12	7-29-12	8-4-12

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Crop Stage At Each Application								
	A		B		C		D	
Crop 1 Code, BBCH Scale:	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY	GLXMA	BSOY
Stage Scale Used:	DESC		DESC		DESC		DESC	
Stage Majority, Percent:	NA		V5		R2		R3	
Stage Minimum, Percent:			V4		R2		R3	
Stage Maximum, Percent:			V5		R2		R3	
Height, Unit:			10	IN	18	IN	28	IN
Height Minimum, Maximum:			8	10	16	18	24	28

Pest Stage At Each Application								
	A		B		C		D	
Pest 1 Code, Type, Scale:	IPHOE	W DESC	IPHOE	W DESC	IPHOE	W DESC	IPHOE	W DESC
Stage Majority, Percent:	NA		10		10+		NA	
Stage Minimum, Percent:			3		10			
Stage Maximum, Percent:			35		10+			
Height, Unit:			5	IN	16	IN		
Height Minimum, Maximum:			2	6	8	24		
Density, Unit:			2	FT2	2	FT2		
Pest 2 Code, Type, Scale:	AMATA	W DESC	AMATA	W DESC	AMATA	W DESC	AMATA	W DESC
Stage Majority, Percent:	NA		20		10+		NA	
Stage Minimum, Percent:			20		10			
Stage Maximum, Percent:			30		10+			
Height, Unit:			10	IN	16	IN		
Height Minimum, Maximum:			8	14	12	18		
Density, Unit:			0.01	FT2	0.001	FT2		
Pest 3 Code, Type, Scale:	CHEAL	W DESC	CHEAL	W DESC	CHEAL	W DESC	CHEAL	W DESC
Stage Majority, Percent:	NA		30		10+		NA	
Stage Minimum, Percent:			10		10			
Stage Maximum, Percent:			40		10+			
Height, Unit:			8	IN	20	IN		
Height Minimum, Maximum:			4	12	15	20		
Density, Unit:			0.1	FT2	0.01	FT2		
Pest 4 Code, Type, Scale:	PANDI	W DESC	PANDI	W DESC	PANDI	W DESC	PANDI	W DESC
Stage Majority, Percent:	NA		NA		10+		NA	
Stage Minimum, Percent:					10			
Stage Maximum, Percent:					10+			
Height, Unit:					8	IN		
Height Minimum, Maximum:					5	10		
Density, Unit:					0.01	FT2		
Pest 5 Code, Type, Scale:	ABUTH	W DESC	ABUTH	W DESC	ABUTH	W DESC	ABUTH	W DESC
Stage Majority, Percent:	NA		NA		10+		NA	
Stage Minimum, Percent:					10			
Stage Maximum, Percent:					10+			
Height, Unit:					16	IN		
Height Minimum, Maximum:					8	24		
Density, Unit:					0.1	FT2		

Application Equipment								
	A		B		C		D	
Appl. Equipment:	CO2 sprayer		CO2 sprayer		CO2 sprayer		CO2 sprayer	
Equipment Type:	BACSPR		BACSPR		BACSPR		BACSPR	
Operation Pressure, Unit:	30	PSI	30	PSI	30	PSI	30	PSI
Nozzle Type:	XR		XR		XR		XR	
Nozzle Size:	8002		8002		8002		8002	
Boom Length, Unit:	7.5 FT		7.5 FT		7.5 FT		7.5 FT	
Spray Volume, Unit:	15	GPA	15	GPA	15	GPA	15	GPA

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								GLXMA 10-31-12 Moisture Percent	GLXMA 10-31-12 Test wt. lb/bu	GLXMA 10-31-12 Yield bu/A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Appl Code			
1	NK S49-F8 No seed treatment									11.5 a	58.0 abc	67 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
2	NK S49-F8 Cruiser Maxx									11.7 a	57.9 a-f	64 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
3	NK S49-F8 Avicta									11.5 a	58.0 a-f	66 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
4	NK S46-A1 No seed treatment									11.6 a	57.7 fg	65 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
5	NK S46-A1 Cruiser Maxx									11.7 a	57.6 g	61 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
6	NK S46-A1 Avicta									11.6 a	57.7 efg	59 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
7	NK S49-F8 No seed treatment									11.4 a	58.1 a	67 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			

Means followed by same letter do not significantly differ (P=0.05, LSD)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								GLXMA 10-31-12 Moisture Percent	GLXMA 10-31-12 Test wt. lb/bu	GLXMA 10-31-12 Yield bu/A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
8	NK S49-F8 Cruiser Maxx									11.5 a	58.0 a-f	67 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
9	NK S49-F8 Avicta									11.3 a	58.1 ab	67 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
10	NK S46-A1 No seed treatment									11.4 a	57.8 a-g	60 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
11	NK S46-A1 Cruiser Maxx									11.5 a	57.8 b-g	54 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
12	NK S46-A1 Avicta									11.4 a	57.8 a-g	53 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
13	NK S49-F8 No seed treatment									11.5 a	58.0 abc	66 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
14	NK S49-F8 Cruiser Maxx									11.6 a	58.0 a-e	66 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
15	NK S49-F8 Avicta									11.5 a	58.0 abc	70 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								GLXMA 10-31-12 Moisture Percent	GLXMA 10-31-12 Test wt. lb/bu	GLXMA 10-31-12 Yield bu/A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
16	NK S46-A1 No seed treatment									11.5 a	57.8 a-g	62 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
17	NK S46-A1 Cruiser Maxx									11.6 a	57.8 c-g	60 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
18	NK S46-A1 Avicta									11.5 a	57.7 c-g	54 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
19	NK S49-F8 No seed treatment									11.5 a	58.0 a-f	66 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
20	NK S49-F8 Cruiser Maxx									11.6 a	57.9 a-g	66 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
21	NK S49-F8 Avicta									11.4 a	58.0 a-d	66 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
22	NK S46-A1 No seed treatment									11.5 a	57.7 efg	59 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
23	NK S46-A1 Cruiser Maxx									11.5 a	57.7 d-g	57 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								GLXMA 10-31-12 Moisture Percent	GLXMA 10-31-12 Test wt. lb/bu	GLXMA 10-31-12 Yield bu/A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Appl Code			
24	NK S46-A1 Avicta									11.5 a	57.7 c-g	52 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
	LSD (P=.05)									0.48	0.30	11.3
	Standard Deviation									0.29	0.18	6.9
	CV									2.52	0.32	11.05
	Replicate F									1.784	5.653	1.116
	Replicate Prob(F)									0.1799	0.0065	0.3365
	Treatment F									0.248	1.876	1.737
	Treatment Prob(F)									0.9997	0.0361	0.0571

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code								WEED	WEED	WEED		
Crop Code								6-22-12	7-13-12	8-1-12		
Rating Date								Pressure	Pressure	Pressure		
Rating Type								H/M/L/no	H/M/L/no	H/M/L/no		
Rating Unit												
Rating Timing												
Trt-Eval Interval								0 DA-B	21 DA-B	0 DA-D		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
1	NK S49-F8 No seed treatment									1.7 a	0.7 cd	0.3 c
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
2	NK S49-F8 Cruiser Maxx									1.3 a	0.7 cd	0.3 c
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
3	NK S49-F8 Avicta									1.3 a	2.3 a	1.3 ab
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
4	NK S46-A1 No seed treatment									1.0 a	0.3 d	0.3 c
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
5	NK S46-A1 Cruiser Maxx									1.0 a	0.3 d	0.3 c
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
6	NK S46-A1 Avicta									1.0 a	1.7 ab	1.0 abc
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
7	NK S49-F8 No seed treatment									1.0 a	0.7 cd	0.7 bc
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D			
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code							WEED	WEED	WEED
Crop Code							6-22-12	7-13-12	8-1-12
Rating Date							Pressure	Pressure	Pressure
Rating Type							H/M/L/no	H/M/L/no	H/M/L/no
Rating Unit									
Rating Timing									
Trt-Eval Interval							0 DA-B	21 DA-B	0 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Unit	Growth Stage	Appl Code	
8	NK S49-F8 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B	1.3 a
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B	0.7 cd
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C	0.7 bc
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C	
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D	
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D	
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D	
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D	
9	NK S49-F8 Avicta								
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		PRE	A	1.3 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C	2.3 a
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C	1.3 ab
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D	
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D	
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D	
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D	
10	NK S46-A1 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B	1.3 a
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B	1.0 bcd
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C	1.0 abc
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C	
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D	
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D	
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D	
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D	
11	NK S46-A1 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B	1.0 a
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B	1.0 bcd
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C	0.3 c
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C	
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D	
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D	
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D	
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D	
12	NK S46-A1 Avicta								
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		PRE	A	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C	1.3 bc
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C	1.0 abc
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D	
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D	
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D	
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D	
13	NK S49-F8 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B	1.7 a
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B	1.0 bcd
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C	0.7 bc
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C	
14	NK S49-F8 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B	1.7 a
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B	0.3 d
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C	0.3 c
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C	
15	NK S49-F8 Avicta								
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		PRE	A	1.7 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C	2.3 a
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C	1.7 a

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code										WEED	WEED	WEED
Crop Code										6-22-12	7-13-12	8-1-12
Rating Date										Pressure	Pressure	Pressure
Rating Type										H/M/L/no	H/M/L/no	H/M/L/no
Rating Unit												
Rating Timing												
Trt-Eval Interval										0 DA-B	21 DA-B	0 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code			
16	NK S46-A1 No seed treatment									1.0 a	0.7 cd	0.7 bc
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
17	NK S46-A1 Cruiser Maxx									1.0 a	1.0 bcd	0.7 bc
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
18	NK S46-A1 Avicta									1.7 a	1.7 ab	1.7 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
19	NK S49-F8 No seed treatment									1.7 a	0.7 cd	0.7 bc
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
20	NK S49-F8 Cruiser Maxx									1.7 a	1.0 bcd	1.0 abc
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
21	NK S49-F8 Avicta									1.3 a	2.3 a	1.3 ab
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
22	NK S46-A1 No seed treatment									1.3 a	0.7 cd	0.3 c
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			
23	NK S46-A1 Cruiser Maxx									1.3 a	1.0 bcd	0.3 c
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B			
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C			
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C			
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D			
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D			
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D			

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code								WEED	WEED	WEED
Crop Code								6-22-12	7-13-12	8-1-12
Rating Date								Pressure	Pressure	Pressure
Rating Type								H/M/L/no	H/M/L/no	H/M/L/no
Rating Unit										
Rating Timing										
Trt-Eval Interval								0 DA-B	21 DA-B	0 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code
24	NK S46-A1 Avicta									
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A	
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C	
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C	
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D	
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D	
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D	
	LSD (P=.05)									0.93
	Standard Deviation									0.56
	CV									43.09
	Replicate F									2.282
	Replicate Prob(F)									0.1135
	Treatment F									0.725
	Treatment Prob(F)									0.7955
										5.308
										0.0084
										6.128
										2.383
										0.0001
										0.0060

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code							INSECT	INSECT	INSECT	INSECT	INSECT	INSECT
Crop Code							6-22-12	7-13-12	8-1-12	8-8-12	8-22-12	9-5-12
Rating Date							Pressure	Pressure	Pressure	Pressure	Pressure	Pressure
Rating Type							H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no
Rating Unit							0 DA-B	21 DA-B	0 DA-D	7 DA-D	21 DA-D	35 DA-D
Rating Timing												
Trt-Eval Interval												
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code		
1	NK S49-F8 No seed treatment										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
2	NK S49-F8 Cruiser Maxx										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
3	NK S49-F8 Avicta										1.0 a	1.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE		A		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
4	NK S46-A1 No seed treatment										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
5	NK S46-A1 Cruiser Maxx										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
6	NK S46-A1 Avicta										1.0 a	1.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE		A		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
7	NK S49-F8 No seed treatment										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3		D		
	TOP K	100	SL	1	gal/a	1	gal/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code							INSECT	INSECT	INSECT	INSECT	INSECT	INSECT
Crop Code							6-22-12	7-13-12	8-1-12	8-8-12	8-22-12	9-5-12
Rating Date							Pressure	Pressure	Pressure	Pressure	Pressure	Pressure
Rating Type							H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no
Rating Unit												
Rating Timing												
Trt-Eval Interval							0 DA-B	21 DA-B	0 DA-D	7 DA-D	21 DA-D	35 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Stage	Appl Code				
8	NK S49-F8 Cruiser Maxx								1.0 a	1.0 a	1.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B				
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C				
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D				
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D				
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D				
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D				
9	NK S49-F8 Avicta								1.0 a	1.0 a	1.0 a	0.0 a
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		PRE	A				
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C				
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D				
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D				
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D				
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D				
10	NK S46-A1 No seed treatment								1.0 a	1.0 a	1.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B				
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C				
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D				
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D				
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D				
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D				
11	NK S46-A1 Cruiser Maxx								1.0 a	1.0 a	1.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B				
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C				
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D				
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D				
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D				
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D				
12	NK S46-A1 Avicta								1.0 a	1.0 a	1.0 a	0.0 a
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		PRE	A				
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C				
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a		R3	D				
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a		R3	D				
	TOP K	100	SL	1 gal/a	1 gal/a		R3	D				
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v		R3	D				
13	NK S49-F8 No seed treatment								1.0 a	1.0 a	1.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B				
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C				
14	NK S49-F8 Cruiser Maxx								1.0 a	1.0 a	1.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		4-6"W	B				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		4-6"W	B				
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C				
15	NK S49-F8 Avicta								1.0 a	1.0 a	1.0 a	0.0 a
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a		PRE	A				
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a		21DA-B	C				
	N-PAK AMS	100	SL	5 % v/v	5 % v/v		21DA-B	C				

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code							INSECT	INSECT	INSECT	INSECT	INSECT	INSECT
Crop Code							6-22-12	7-13-12	8-1-12	8-8-12	8-22-12	9-5-12
Rating Date							Pressure	Pressure	Pressure	Pressure	Pressure	Pressure
Rating Type							H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no
Rating Unit												
Rating Timing												
Trt-Eval Interval							0 DA-B	21 DA-B	0 DA-D	7 DA-D	21 DA-D	35 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code		
16	NK S46-A1 No seed treatment										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
17	NK S46-A1 Cruiser Maxx										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
18	NK S46-A1 Avicta										1.0 a	1.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE		A		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
19	NK S49-F8 No seed treatment										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
20	NK S49-F8 Cruiser Maxx										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
21	NK S49-F8 Avicta										1.0 a	1.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE		A		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
22	NK S46-A1 No seed treatment										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		
23	NK S46-A1 Cruiser Maxx										1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"	W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"	W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B		C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B		C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3		D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3		D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3		D		

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code	INSECT									
Crop Code	INSECT									
Rating Date	6-22-12	7-13-12	8-1-12	8-8-12	8-22-12	9-5-12				
Rating Type	Pressure	Pressure	Pressure	Pressure	Pressure	Pressure				
Rating Unit	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no				
Rating Timing										
Trt-Eval Interval	0 DA-B	21 DA-B	0 DA-D	7 DA-D	21 DA-D	35 DA-D				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code
24	NK S46-A1 Avicta									
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A	
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C	
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C	
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D	
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D	
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D	
	LSD (P=.05)			0.00		0.00		0.00		0.00
	Standard Deviation			0.00		0.00		0.00		0.00
	CV			0.0		0.0		0.0		0.0
	Replicate F			0.000		0.000		0.000		0.000
	Replicate Prob(F)			1.0000		1.0000		1.0000		1.0000
	Treatment F			0.000		0.000		0.000		0.000
	Treatment Prob(F)			1.0000		1.0000		1.0000		1.0000

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code								INSECT	INSECT
Crop Code								9-19-12	10-1-12
Rating Date								Pressure	Pressure
Rating Type								H/M/L/no	H/M/L/no
Rating Unit									
Rating Timing									
Trt-Eval Interval								49 DA-D	61 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code
1	NK S49-F8 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
2	NK S49-F8 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
3	NK S49-F8 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
4	NK S46-A1 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
5	NK S46-A1 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
6	NK S46-A1 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
7	NK S49-F8 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code								INSECT	INSECT
Crop Code								9-19-12	10-1-12
Rating Date								Pressure	Pressure
Rating Type								H/M/L/no	H/M/L/no
Rating Unit									
Rating Timing									
Trt-Eval Interval								49 DA-D	61 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate	Growth Stage	Appl Code
8	NK S49-F8 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
9	NK S49-F8 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
10	NK S46-A1 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
11	NK S46-A1 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
12	NK S46-A1 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
13	NK S49-F8 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
								0.0 a	0.0 a
14	NK S49-F8 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
								0.0 a	0.0 a
15	NK S49-F8 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
								0.0 a	0.0 a

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code								INSECT	INSECT
Crop Code								9-19-12	10-1-12
Rating Date								Pressure	Pressure
Rating Type								H/M/L/no	H/M/L/no
Rating Unit									
Rating Timing									
Trt-Eval Interval								49 DA-D	61 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
16	NK S46-A1 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
17	NK S46-A1 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
18	NK S46-A1 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
19	NK S49-F8 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
20	NK S49-F8 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
21	NK S49-F8 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
22	NK S46-A1 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
23	NK S46-A1 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

								INSECT	INSECT
								9-19-12	10-1-12
								Pressure	Pressure
								H/M/L/no	H/M/L/no
								49 DA-D	61 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Stage	Appl Code
24	NK S46-A1 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
LSD (P=.05)								0.00	0.00
Standard Deviation								0.00	0.00
CV								0.0	0.0
Replicate F								0.000	0.000
Replicate Prob(F)								1.0000	1.0000
Treatment F								0.000	0.000
Treatment Prob(F)								1.0000	1.0000

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval							DISEASE	DISEASE	DISEASE	DISEASE	DISEASE	DISEASE			
							6-22-12 Pressure H/M/L/no	7-13-12 Pressure H/M/L/no	8-1-12 Pressure H/M/L/no	8-8-12 Pressure H/M/L/no	8-22-12 Pressure H/M/L/no	9-5-12 Pressure H/M/L/no			
							0 DA-B	21 DA-B	0 DA-D	7 DA-D	21 DA-D	35 DA-D			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code						
1	NK S49-F8 No seed treatment									1.0 a	1.0 a	1.0 a	0.0 a	0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B						
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C						
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D						
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D						
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D						
2	NK S49-F8 Cruiser Maxx									1.0 a	1.0 a	1.0 a	0.0 a	0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B						
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C						
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D						
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D						
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D						
3	NK S49-F8 Avicta									1.0 a	1.0 a	1.0 a	0.0 a	0.0 a	0.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A						
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C						
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D						
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D						
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D						
4	NK S46-A1 No seed treatment									1.0 a	1.0 a	1.0 a	0.0 a	0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B						
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C						
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D						
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D						
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D						
5	NK S46-A1 Cruiser Maxx									1.0 a	1.0 a	1.0 a	0.0 a	0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B						
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C						
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D						
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D						
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D						
6	NK S46-A1 Avicta									1.0 a	1.0 a	1.0 a	0.0 a	0.0 a	0.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A						
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C						
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D						
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D						
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D						
7	NK S49-F8 No seed treatment									1.0 a	1.0 a	1.0 a	0.0 a	0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B						
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C						
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C						
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D						
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D						
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D						
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D						

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval							DISEASE	DISEASE	DISEASE	DISEASE	DISEASE	DISEASE
							6-22-12 Pressure H/M/L/no	7-13-12 Pressure H/M/L/no	8-1-12 Pressure H/M/L/no	8-8-12 Pressure H/M/L/no	8-22-12 Pressure H/M/L/no	9-5-12 Pressure H/M/L/no
							0 DA-B	21 DA-B	0 DA-D	7 DA-D	21 DA-D	35 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Unit	Stage	Appl Code			
8	NK S49-F8 Cruiser Maxx									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a	R3	D					
	TOP K	100	SL	1 gal/a	1 gal/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					
9	NK S49-F8 Avicta									1.0 a	1.0 a	1.0 a
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a	PRE	A					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a	R3	D					
	TOP K	100	SL	1 gal/a	1 gal/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					
10	NK S46-A1 No seed treatment									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a	R3	D					
	TOP K	100	SL	1 gal/a	1 gal/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					
11	NK S46-A1 Cruiser Maxx									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a	R3	D					
	TOP K	100	SL	1 gal/a	1 gal/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					
12	NK S46-A1 Avicta									1.0 a	1.0 a	1.0 a
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a	PRE	A					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	ENDIGO ZCX	2.71	ZC	0.085 lb ai/a	4 fl oz/a	R3	D					
	TOP K	100	SL	1 gal/a	1 gal/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					
13	NK S49-F8 No seed treatment									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
14	NK S49-F8 Cruiser Maxx									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
15	NK S49-F8 Avicta									1.0 a	1.0 a	1.0 a
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a	PRE	A					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval							DISEASE	DISEASE	DISEASE	DISEASE	DISEASE	DISEASE
							6-22-12 Pressure H/M/L/no	7-13-12 Pressure H/M/L/no	8-1-12 Pressure H/M/L/no	8-8-12 Pressure H/M/L/no	8-22-12 Pressure H/M/L/no	9-5-12 Pressure H/M/L/no
							0 DA-B	21 DA-B	0 DA-D	7 DA-D	21 DA-D	35 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Growth Unit	Stage	Appl Code			
16	NK S46-A1 No seed treatment									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
17	NK S46-A1 Cruiser Maxx									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
18	NK S46-A1 Avicta									1.0 a	1.0 a	1.0 a
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a	PRE	A					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
19	NK S49-F8 No seed treatment									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	WARRIOR II	2.09	CS	0.0245 lb ai/a	1.5 fl oz/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					
20	NK S49-F8 Cruiser Maxx									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	WARRIOR II	2.09	CS	0.0245 lb ai/a	1.5 fl oz/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					
21	NK S49-F8 Avicta									1.0 a	1.0 a	1.0 a
	PREFIX	5.29	EC	1.65 lb ai/a	2.5 pt/a	PRE	A					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	WARRIOR II	2.09	CS	0.0245 lb ai/a	1.5 fl oz/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					
22	NK S46-A1 No seed treatment									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	WARRIOR II	2.09	CS	0.0245 lb ai/a	1.5 fl oz/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					
23	NK S46-A1 Cruiser Maxx									1.0 a	1.0 a	1.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	4-6"W	B					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	4-6"W	B					
	TOUCHDOWN TOTAL	4.17	SL	0.78 lb ae/a	24 fl oz/a	21DA-B	C					
	N-PAK AMS	100	SL	5 % v/v	5 % v/v	21DA-B	C					
	QUILT XCEL	2.2	SC	0.18 lb ai/a	10.5 fl oz/a	R3	D					
	WARRIOR II	2.09	CS	0.0245 lb ai/a	1.5 fl oz/a	R3	D					
	COC (PRIME OIL)	100	SL	1 % v/v	1 % v/v	R3	D					

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code								DISEASE	DISEASE	DISEASE	DISEASE	DISEASE	DISEASE
Crop Code								6-22-12	7-13-12	8-1-12	8-8-12	8-22-12	9-5-12
Rating Date								Pressure	Pressure	Pressure	Pressure	Pressure	Pressure
Rating Type								H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no	H/M/L/no
Rating Unit													
Rating Timing													
Trt-Eval Interval								0 DA-B	21 DA-B	0 DA-D	7 DA-D	21 DA-D	35 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate	Growth Unit	Stage	Appl Code			
24	NK S46-A1 Avicta										1.0 a	1.0 a	1.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A				
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C				
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C				
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D				
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D				
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D				
	LSD (P=.05)										0.00	0.00	0.00
	Standard Deviation										0.00	0.00	0.00
	CV										0.0	0.0	0.0
	Replicate F										0.000	0.000	0.000
	Replicate Prob(F)										1.0000	1.0000	1.0000
	Treatment F										0.000	0.000	0.000
	Treatment Prob(F)										1.0000	1.0000	1.0000

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code								DISEASE	DISEASE
Crop Code								9-19-12	10-1-12
Rating Date								Pressure	Pressure
Rating Type								H/M/L/no	H/M/L/no
Rating Unit									
Rating Timing									
Trt-Eval Interval								49 DA-D	61 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code
1	NK S49-F8 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
2	NK S49-F8 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
3	NK S49-F8 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
4	NK S46-A1 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
5	NK S46-A1 Cruiser Maxx								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
6	NK S46-A1 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a
7	NK S49-F8 No seed treatment								
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
								0.0 a	0.0 a

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								DISEASE 9-19-12 Pressure H/M/L/no 49 DA-D	DISEASE 10-1-12 Pressure H/M/L/no 61 DA-D		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code		
8	NK S49-F8 Cruiser Maxx									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D		
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		
9	NK S49-F8 Avicta									0.0 a	0.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D		
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		
10	NK S46-A1 No seed treatment									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D		
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		
11	NK S46-A1 Cruiser Maxx									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D		
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		
12	NK S46-A1 Avicta									0.0 a	0.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	ENDIGO ZCX	2.71	ZC	0.085	lb ai/a	4	fl oz/a	R3	D		
	TOP K	100	SL	1	gal/a	1	gal/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		
13	NK S49-F8 No seed treatment									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
14	NK S49-F8 Cruiser Maxx									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
15	NK S49-F8 Avicta									0.0 a	0.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		

Southern Illinois University

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Pest Code Crop Code Rating Date Rating Type Rating Unit Rating Timing Trt-Eval Interval								DISEASE	DISEASE		
								9-19-12 Pressure H/M/L/no	10-1-12 Pressure H/M/L/no		
								49 DA-D	61 DA-D		
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Unit Unit	Other Rate	Other Rate	Growth Unit Stage	Appl Code		
16	NK S46-A1 No seed treatment									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
17	NK S46-A1 Cruiser Maxx									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
18	NK S46-A1 Avicta									0.0 a	0.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
19	NK S49-F8 No seed treatment									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		
20	NK S49-F8 Cruiser Maxx									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		
21	NK S49-F8 Avicta									0.0 a	0.0 a
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		
22	NK S46-A1 No seed treatment									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		
23	NK S46-A1 Cruiser Maxx									0.0 a	0.0 a
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	4-6"W	B		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	4-6"W	B		
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C		
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C		
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D		
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D		
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D		

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

								DISEASE	DISEASE
Pest Code								9-19-12	10-1-12
Crop Code								Pressure	Pressure
Rating Date								H/M/L/no	H/M/L/no
Rating Type									
Rating Unit									
Rating Timing									
Trt-Eval Interval								49 DA-D	61 DA-D
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code
24	NK S46-A1 Avicta								
	PREFIX	5.29	EC	1.65	lb ai/a	2.5	pt/a	PRE	A
	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	fl oz/a	21DA-B	C
	N-PAK AMS	100	SL	5	% v/v	5	% v/v	21DA-B	C
	QUILT XCEL	2.2	SC	0.18	lb ai/a	10.5	fl oz/a	R3	D
	WARRIOR II	2.09	CS	0.0245	lb ai/a	1.5	fl oz/a	R3	D
	COC (PRIME OIL)	100	SL	1	% v/v	1	% v/v	R3	D
LSD (P=.05)								0.00	0.00
Standard Deviation								0.00	0.00
CV								0.0	0.0
Replicate F								0.000	0.000
Replicate Prob(F)								1.0000	1.0000
Treatment F								0.000	0.000
Treatment Prob(F)								1.0000	1.0000

Syngenta ICS Soybean Trial.

Trial ID: 12-WF-SW

Location: Belleville Res. Center

Investigator: Bryan Young

Trial Comments

1. Protocol: Syngenta (ICS soybean).
2. Ratings: Observe and rate any major differences in weed control at 14-21 DA-B and at the R3 application as H/M/L/none.
Observe and note weed, insect, and disease pressure at each application timing, record as H/M/L/none.
Observe and note any disease or insect pressure from R3 to R7 (50% leaves yellow) as H/M/L/none.
3. Yield, test weight, and seed moisture; trim front and back 5 ft of plots prior to harvest, harvest rows 3-6.
4. Planting, six variety/seed treatment combinations, see map for layout.
Herbicide applications to be made with two passes of a 7.5 ft handheld boom.
5. Photos of significant treatment differences would be appreciated.
6. Insect pressure should be managed by Lorsban or another OP, as to measure the yield benefits of the Plant Performance benefits of Endigo vs Warrior II.
Lorsban (1 pt/A) was applied to all plots on 7-19-12 to prevent spider mites from spreading into plots.
7. Rainfall following the PRE application was 0.28 inch 6 days later and 0.75 inch 17 days later.
8. H/M/L/no = High (3), Medium (2), Low (1), none (0).
9. Harvested 10-31-12, (4) 30 inch rows by 47 ft.