

High Yield Soybean -ISA.

Trial ID: 09-BullTest Location: Carbondale, IL

Project ID:

Sponsor Contact:

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu

City State Zip Country: Carbondale IL 62901 USA

Trial Status: FINAL Initiation Date: 06-03-09

Objectives: Factorial analysis of irrigation (2), seeding rate (2) and treatments (6) for soybean health and yield.

Crop 1: GLXMA Soybean	Variety: P94Y70	Description: RR
Planting Method: SEEDED	Planting Date: 06-03-09	
Rate, Unit: 000 See trt	Depth, Unit: 1.0 IN	
Row Spacing, Unit: 15 IN		

Plot Width, Unit: 10 FT	Site Type: FIELD
Plot Length, Unit: 30 FT	Tillage Type: REDUCED-TILL
Replications: 4	Study Design: Randomized Complete Block

Prior Crops, Year

1. ZEAMD 2008

Field Prep./Maintenance: See treatment list.

Texture: SILT LOAM

	Application Description			
	A	B	C	D
Application Date:	08-04-09	08-10-09	08-17-09	09-07-09
Time of Day:	14:00	14:00	10:00	9:00
Application Method:	Spray	Spray	Spray	Spray
Application Timing:	R2	R3	R5	R6
Application Placement:	BROFOL	BROFOL	BROFOL	BROFOL
Applied By:	NRJ	DKT	DKT	DKT
Air Temperature, Unit:	89 F	91 F	82 F	83 F
% Relative Humidity:	55	58	64	62
Wind Velocity, Unit:	3 MPH	5 MPH	5 MPH	1 MPH
Wind Direction:	E	SW	SSW	W
Dew Presence (Y/N):	N	N	N	Y
Soil Temperature, Unit:	80 F	80 F	78 F	78 F
Soil Moisture:	NORMAL	NORMAL	NORMAL	ABONOR
% Cloud Cover:	95	60	40	70

	08-04-09	08-10-09	08-17-09	09-07-09
Crop stage at application:	R2	R3	R5	R6
Height Min, Max (inch):	32	38 35	42 40	47 36 48

Pest Stage At Each Application

Application Date:	08-04-09	08-10-09	08-17-09	09-07-09
Weed Code:	NA	NA	NA	NA

Application Equipment

Appl. Equipment:	CO2 sprayer	CO2 sprayer	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002	XR 8002	XR 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

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GLXMA 11-04-09 Moisture Percent	GLXMA 11-04-09 Protein Percent	GLXMA 11-04-09 Oil Percent	GLXMA 11-04-09 Fiber Percent	GLXMA 11-04-09 Seed wt. g/200	GLXMA 11-04-09 Yield bu/A	GLXMA 09-25-09 LAI	GLXMA 09-25-09 SEL
						R6.5 18 DA-D	R6.5 18 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code														
1	125,000								12.1	b	34.9	d-h	19.2	f-i	4.7	bc	33.4	h	63	c-g	3.98	0.43
1	IRRIGATED																					
1	NONTREATED																					
2	250,000								21.9	a	35.1	b-f	19.1	hij	4.7	bc	34.2	e-h	59	fg	27.02	26.04
2	IRRIGATED																					
2	NONTREATED																					
3	250,000								12.2	b	34.9	d-h	19.4	b-f	4.7	c	34.3	d-h	57	g	2.15	0.40
3	IRRIGATED																					
3	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A														
3	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A														
3	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C														
3	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C														
4	125,000								12.1	b	34.3	i	19.6	a	4.7	ab	33.6	gh	64	b-g	2.75	0.13
4	IRRIGATED																					
4	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A														
4	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A														
4	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C														
4	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C														
5	125,000								11.9	b	35.4	a-d	19.1	g-j	4.7	bc	35.4	a-f	60	efg	3.45	0.32
5	IRRIGATED																					
5	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R3	B														
5	NIS	100	SL	0.25 % v/v		0.25 % v/v	R3	B														
5	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R5	C														
5	NIS	100	SL	0.25 % v/v		0.25 % v/v	R5	C														
5	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R6	D														
5	NIS	100	SL	0.25 % v/v		0.25 % v/v	R6	D														
6	250,000								12.3	b	35.6	a	18.9	j	4.7	c	35.8	a-d	63	c-g	4.26	0.93
6	IRRIGATED																					
6	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R3	B														
6	NIS	100	SL	0.25 % v/v		0.25 % v/v	R3	B														
6	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R5	C														
6	NIS	100	SL	0.25 % v/v		0.25 % v/v	R5	C														
6	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R6	D														
6	NIS	100	SL	0.25 % v/v		0.25 % v/v	R6	D														
7	125,000								11.9	b	34.3	i	19.6	ab	4.7	bc	33.6	gh	59	efg	2.79	0.23
7	IRRIGATED																					
7	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A														
7	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A														
7	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R2	A														
7	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R2	A														
7	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C														
7	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C														
7	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R5	C														
7	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R5	C														
8	250,000								12.2	b	35.0	c-h	19.5	a-d	4.7	bc	34.4	c-h	64	a-g	3.74	0.20
8	IRRIGATED																					
8	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A														
8	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A														
8	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R2	A														
8	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R2	A														
8	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C														
8	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C														
8	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R5	C														
8	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R5	C														

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Rating Timing

Trt-Eval Interval

GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
11-04-09	11-04-09	11-04-09	11-04-09	11-04-09	11-04-09	09-25-09	09-25-09	09-25-09
Moisture	Protein	Oil	Fiber	Seed wt.	Yield	LAI	SEL	
Percent	Percent	Percent	Percent	g/200	bu/A			
						R6.5	R6.5	
						18 DA-D	18 DA-D	

Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl						
No.	Name	Conc	Type	Rate	Unit	Rate	Rate	Unit	Stage	Code				
9	250,000										12.2 b	35.3 a-e	19.1 g-j	4.7 c
9	IRRIGATED											34.3 d-h	66 a-f	4.16
9	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R3	B						0.66
9	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R3	B						
9	NIS	100	SL	0.25 % v/v	0.25	% v/v	R3	B						
9	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R5	C						
9	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R5	C						
9	NIS	100	SL	0.25 % v/v	0.25	% v/v	R5	C						
9	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R6	D						
9	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R6	D						
9	NIS	100	SL	0.25 % v/v	0.25	% v/v	R6	D						
10	125,000										12.1 b	35.3 a-e	19.1 ij	4.7 bc
10	IRRIGATED											35.6 a-e	71 ab	4.95
10	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R3	B						0.15
10	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R3	B						
10	NIS	100	SL	0.25 % v/v	0.25	% v/v	R3	B						
10	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R5	C						
10	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R5	C						
10	NIS	100	SL	0.25 % v/v	0.25	% v/v	R5	C						
10	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R6	D						
10	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R6	D						
10	NIS	100	SL	0.25 % v/v	0.25	% v/v	R6	D						
11	125,000										12.1 b	34.7 f-i	19.3 c-g	4.7 ab
11	IRRIGATED											35.9 abc	68 a-d	4.36
11	NITAMIN	3	SL	2.5 gal/a	7.5	lb ai/a	R2	A						0.12
11	UREA	46	GR	100 lb/a	46	lb ai/a	R2	A						
11	MAX-IN FOR BEANS	10	L	2 qt/a	5	lb ai/a	R2	A						
11	RADIATE	0.0868	L	2 fl oz/a	0.00136	lb ai/a	R2	A						
11	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R3	B						
11	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R3	B						
11	NIS	100	SL	0.25 % v/v	0.25	% v/v	R3	B						
11	NITAMIN	3	SL	2.5 gal/a	7.5	lb ai/a	R5	C						
11	UREA	46	GR	100 lb/a	46	lb ai/a	R5	C						
11	MAX-IN FOR BEANS	10	L	2 qt/a	5	lb ai/a	R5	C						
11	RADIATE	0.0868	L	2 fl oz/a	0.00136	lb ai/a	R5	C						
11	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R5	C						
11	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R5	C						
11	NIS	100	SL	0.25 % v/v	0.25	% v/v	R5	C						
11	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R6	D						
11	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R6	D						
11	NIS	100	SL	0.25 % v/v	0.25	% v/v	R6	D						
12	250,000										12.2 b	34.8 e-h	19.5 a-e	4.7 bc
12	IRRIGATED											36.3 ab	62 d-g	4.00
12	NITAMIN	3	SL	2.5 gal/a	7.5	lb ai/a	R2	A						0.24
12	UREA	46	GR	100 lb/a	46	lb ai/a	R2	A						
12	MAX-IN FOR BEANS	10	L	2 qt/a	5	lb ai/a	R2	A						
12	RADIATE	0.0868	L	2 fl oz/a	0.00136	lb ai/a	R2	A						
12	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R3	B						
12	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R3	B						
12	NIS	100	SL	0.25 % v/v	0.25	% v/v	R3	B						
12	NITAMIN	3	SL	2.5 gal/a	7.5	lb ai/a	R5	C						
12	UREA	46	GR	100 lb/a	46	lb ai/a	R5	C						
12	MAX-IN FOR BEANS	10	L	2 qt/a	5	lb ai/a	R5	C						
12	RADIATE	0.0868	L	2 fl oz/a	0.00136	lb ai/a	R5	C						
12	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R5	C						
12	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R5	C						
12	NIS	100	SL	0.25 % v/v	0.25	% v/v	R5	C						
12	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R6	D						
12	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R6	D						
12	NIS	100	SL	0.25 % v/v	0.25	% v/v	R6	D						
13	250,000										11.5 b	35.4 a-d	19.1 ghi	4.7 bc
13	NOT IRRIGATED											34.3 d-h	67 a-e	3.96
13	NONTREATED													0.07
14	125,000										11.6 b	35.1 b-f	19.1 g-j	4.7 ab
14	NOT IRRIGATED											33.1 h	68 a-d	4.25
14	NONTREATED													0.11

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Trt-Eval Interval

GLXMA 11-04-09 Moisture Percent	GLXMA 11-04-09 Protein Percent	GLXMA 11-04-09 Oil Percent	GLXMA 11-04-09 Fiber Percent	GLXMA 11-04-09 Seed wt. g/200	GLXMA 11-04-09 Yield bu/A	GLXMA 09-25-09 LAI	GLXMA 09-25-09 SEL
						R6.5 18 DA-D	R6.5 18 DA-D

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code														
15	125,000								11.6	b	34.6	hi	19.6	abc	4.7	ab	33.5	h	61	d-g	2.65	0.05
15	NOT IRRIGATED																					
15	UREA	46	GR	100	lb/a	46	lb ai/a	R2	A													
15	NITAMIN	3	SL	2.5	gal/a	7.5	lb ai/a	R2	A													
15	UREA	46	GR	100	lb/a	46	lb ai/a	R5	C													
15	NITAMIN	3	SL	2.5	gal/a	7.5	lb ai/a	R5	C													
16	250,000								11.8	b	34.7	f-i	19.6	a	4.7	bc	34.0	fgh	64	b-g	3.84	0.18
16	NOT IRRIGATED																					
16	UREA	46	GR	100	lb/a	46	lb ai/a	R2	A													
16	NITAMIN	3	SL	2.5	gal/a	7.5	lb ai/a	R2	A													
16	UREA	46	GR	100	lb/a	46	lb ai/a	R5	C													
16	NITAMIN	3	SL	2.5	gal/a	7.5	lb ai/a	R5	C													
17	250,000								11.9	b	35.5	ab	19.0	ij	4.7	bc	35.6	a-f	65	a-f	3.74	0.12
17	NOT IRRIGATED																					
17	HEADLINE	2.09	L	6	fl oz/a	0.098	lb ai/a	R3	B													
17	NIS	100	SL	0.25	% v/v	0.25	% v/v	R3	B													
17	HEADLINE	2.09	L	6	fl oz/a	0.098	lb ai/a	R5	C													
17	NIS	100	SL	0.25	% v/v	0.25	% v/v	R5	C													
17	HEADLINE	2.09	L	6	fl oz/a	0.098	lb ai/a	R6	D													
17	NIS	100	SL	0.25	% v/v	0.25	% v/v	R6	D													
18	125,000								11.7	b	35.5	ab	19.1	ij	4.7	bc	35.5	a-f	66	a-f	3.82	0.68
18	NOT IRRIGATED																					
18	HEADLINE	2.09	L	6	fl oz/a	0.098	lb ai/a	R3	B													
18	NIS	100	SL	0.25	% v/v	0.25	% v/v	R3	B													
18	HEADLINE	2.09	L	6	fl oz/a	0.098	lb ai/a	R5	C													
18	NIS	100	SL	0.25	% v/v	0.25	% v/v	R5	C													
18	HEADLINE	2.09	L	6	fl oz/a	0.098	lb ai/a	R6	D													
18	NIS	100	SL	0.25	% v/v	0.25	% v/v	R6	D													
19	250,000								11.8	b	34.9	d-h	19.3	d-h	4.7	bc	34.0	fgh	63	c-g	4.01	0.26
19	NOT IRRIGATED																					
19	NITAMIN	3	SL	2.5	gal/a	7.5	lb ai/a	R2	A													
19	UREA	46	GR	100	lb/a	46	lb ai/a	R2	A													
19	MAX-IN FOR BEANS	10	L	2	qt/a	5	lb ai/a	R2	A													
19	RADIATE	0.0868	L	2	fl oz/a	0.00136	lb ai/a	R2	A													
19	NITAMIN	3	SL	2.5	gal/a	7.5	lb ai/a	R5	C													
19	UREA	46	GR	100	lb/a	46	lb ai/a	R5	C													
19	MAX-IN FOR BEANS	10	L	2	qt/a	5	lb ai/a	R5	C													
19	RADIATE	0.0868	L	2	fl oz/a	0.00136	lb ai/a	R5	C													
20	125,000								11.7	b	34.8	f-i	19.4	a-f	4.8	a	35.1	b-g	57	g	4.00	0.17
20	NOT IRRIGATED																					
20	NITAMIN	3	SL	2.5	gal/a	7.5	lb ai/a	R2	A													
20	UREA	46	GR	100	lb/a	46	lb ai/a	R2	A													
20	MAX-IN FOR BEANS	10	L	2	qt/a	5	lb ai/a	R2	A													
20	RADIATE	0.0868	L	2	fl oz/a	0.00136	lb ai/a	R2	A													
20	NITAMIN	3	SL	2.5	gal/a	7.5	lb ai/a	R5	C													
20	UREA	46	GR	100	lb/a	46	lb ai/a	R5	C													
20	MAX-IN FOR BEANS	10	L	2	qt/a	5	lb ai/a	R5	C													
20	RADIATE	0.0868	L	2	fl oz/a	0.00136	lb ai/a	R5	C													
21	125,000								11.9	b	35.1	b-g	19.0	ij	4.7	ab	35.7	a-e	72	a	4.05	0.25
21	NOT IRRIGATED																					
21	HEADLINE	2.09	L	6	fl oz/a	0.098	lb ai/a	R3	B													
21	WARRIOR	1	L	3.2	fl oz/a	0.025	lb ai/a	R3	B													
21	NIS	100	SL	0.25	% v/v	0.25	% v/v	R3	B													
21	HEADLINE	2.09	L	6	fl oz/a	0.098	lb ai/a	R5	C													
21	WARRIOR	1	L	3.2	fl oz/a	0.025	lb ai/a	R5	C													
21	NIS	100	SL	0.25	% v/v	0.25	% v/v	R5	C													
21	HEADLINE	2.09	L	6	fl oz/a	0.098	lb ai/a	R6	D													
21	WARRIOR	1	L	3.2	fl oz/a	0.025	lb ai/a	R6	D													
21	NIS	100	SL	0.25	% v/v	0.25	% v/v	R6	D													

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Rating Timing

Trt-Eval Interval

GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	GLXMA
11-04-09	11-04-09	11-04-09	11-04-09	11-04-09	11-04-09	09-25-09	09-25-09	09-25-09
Moisture	Protein	Oil	Fiber	Seed wt.	Yield	LAI	SEL	
Percent	Percent	Percent	Percent	g/200	bu/A			
						R6.5	R6.5	
						18 DA-D	18 DA-D	

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Other Rate	Other Rate	Unit	Growth Stage	Appl Code														
22	250,000										11.9	b	35.4	abc	19.1	g-j	4.7	bc	36.9	a	66	a-f	3.74	0.16
22	NOT IRRIGATED																							
22	HEADLINE	2.09	L		6 fl oz/a	0.098	lb ai/a		R3	B														
22	WARRIOR	1	L		3.2 fl oz/a	0.025	lb ai/a		R3	B														
22	NIS	100	SL		0.25 % v/v	0.25	% v/v		R3	B														
22	HEADLINE	2.09	L		6 fl oz/a	0.098	lb ai/a		R5	C														
22	WARRIOR	1	L		3.2 fl oz/a	0.025	lb ai/a		R5	C														
22	NIS	100	SL		0.25 % v/v	0.25	% v/v		R5	C														
22	HEADLINE	2.09	L		6 fl oz/a	0.098	lb ai/a		R6	D														
22	WARRIOR	1	L		3.2 fl oz/a	0.025	lb ai/a		R6	D														
22	NIS	100	SL		0.25 % v/v	0.25	% v/v		R6	D														
23	250,000										12.1	b	34.7	ghi	19.5	a-d	4.7	bc	36.0	ab	70	abc	4.24	0.32
23	NOT IRRIGATED																							
23	NITAMIN	3	SL		2.5 gal/a	7.5	lb ai/a		R2	A														
23	UREA	46	GR		100 lb/a	46	lb ai/a		R2	A														
23	MAX-IN FOR BEANS	10	L		2 qt/a	5	lb ai/a		R2	A														
23	RADIATE	0.0868	L		2 fl oz/a	0.00136	lb ai/a		R2	A														
23	HEADLINE	2.09	L		6 fl oz/a	0.098	lb ai/a		R3	B														
23	WARRIOR	1	L		3.2 fl oz/a	0.025	lb ai/a		R3	B														
23	NIS	100	SL		0.25 % v/v	0.25	% v/v		R3	B														
23	NITAMIN	3	SL		2.5 gal/a	7.5	lb ai/a		R5	C														
23	UREA	46	GR		100 lb/a	46	lb ai/a		R5	C														
23	MAX-IN FOR BEANS	10	L		2 qt/a	5	lb ai/a		R5	C														
23	RADIATE	0.0868	L		2 fl oz/a	0.00136	lb ai/a		R5	C														
23	HEADLINE	2.09	L		6 fl oz/a	0.098	lb ai/a		R5	C														
23	WARRIOR	1	L		3.2 fl oz/a	0.025	lb ai/a		R5	C														
23	NIS	100	SL		0.25 % v/v	0.25	% v/v		R5	C														
23	HEADLINE	2.09	L		6 fl oz/a	0.098	lb ai/a		R6	D														
23	WARRIOR	1	L		3.2 fl oz/a	0.025	lb ai/a		R6	D														
23	NIS	100	SL		0.25 % v/v	0.25	% v/v		R6	D														
24	125,000										12.0	b	35.1	b-g	19.2	e-i	4.7	ab	35.9	a-d	63	b-g	3.70	0.14
24	NOT IRRIGATED																							
24	NITAMIN	3	SL		2.5 gal/a	7.5	lb ai/a		R2	A														
24	UREA	46	GR		100 lb/a	46	lb ai/a		R2	A														
24	MAX-IN FOR BEANS	10	L		2 qt/a	5	lb ai/a		R2	A														
24	RADIATE	0.0868	L		2 fl oz/a	0.00136	lb ai/a		R2	A														
24	HEADLINE	2.09	L		6 fl oz/a	0.098	lb ai/a		R3	B														
24	WARRIOR	1	L		3.2 fl oz/a	0.025	lb ai/a		R3	B														
24	NIS	100	SL		0.25 % v/v	0.25	% v/v		R3	B														
24	NITAMIN	3	SL		2.5 gal/a	7.5	lb ai/a		R5	C														
24	UREA	46	GR		100 lb/a	46	lb ai/a		R5	C														
24	MAX-IN FOR BEANS	10	L		2 qt/a	5	lb ai/a		R5	C														
24	RADIATE	0.0868	L		2 fl oz/a	0.00136	lb ai/a		R5	C														
24	HEADLINE	2.09	L		6 fl oz/a	0.098	lb ai/a		R5	C														
24	WARRIOR	1	L		3.2 fl oz/a	0.025	lb ai/a		R5	C														
24	NIS	100	SL		0.25 % v/v	0.25	% v/v		R5	C														
24	HEADLINE	2.09	L		6 fl oz/a	0.098	lb ai/a		R6	D														
24	WARRIOR	1	L		3.2 fl oz/a	0.025	lb ai/a		R6	D														
24	NIS	100	SL		0.25 % v/v	0.25	% v/v		R6	D														
LSD (P=.05)											5.79		0.47		0.24		0.05		1.59		7.8			
Replicate F											0.961		2.444		0.145		1.752		2.667		0.342			
Replicate Prob(F)											0.4164		0.0713		0.9326		0.1644		0.0545		0.7952			
Treatment F											1.002		4.833		7.056		1.138		3.666		2.193			
Treatment Prob(F)											0.4754		0.0001		0.0001		0.3303		0.0001		0.0065			

Means followed by same letter do not significantly differ (P=.05, LSD)

High Yield Soybean -ISA.

Trial ID: 09-BullTest

Location: Carbondale, IL

Project ID:

Sponsor Contact:

Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

GLXMA 09-30-09 LAI	GLXMA 09-30-09 SEL	GLXMA 10-02-09 Greenness 1-9 R7 23 DA-D	GLXMA 10-14-09 Height cm	GLXMA 10-14-09 Plants 000/A	GLXMA 10-15-09 Leaf Retain 1-9	GLXMA 10-15-09 Harvestable 1-9
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Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code									
1	125,000								1.96 b	0.29 b	2.3 b	110 a-e	98.3 c-g	1.6 b	8.1 b		
1	IRRIGATED																
1	NONTREATED																
2	250,000								8.73 a	7.25 a	9.1 a	109 a-f	206.3 a	10.8 a	14.9 a		
2	IRRIGATED																
2	NONTREATED																
3	250,000								2.79 b	0.20 b	2.4 b	112 a	156.7 b	2.4 b	5.9 b		
3	IRRIGATED																
3	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A									
3	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A									
3	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C									
3	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C									
4	125,000								2.72 b	0.33 b	1.6 b	107 b-h	100.9 c-g	1.8 b	7.3 b		
4	IRRIGATED																
4	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A									
4	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A									
4	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C									
4	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C									
5	125,000								3.75 b	0.12 b	4.3 b	107 a-h	86.3 efg	4.0 b	6.8 b		
5	IRRIGATED																
5	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R3	B									
5	NIS	100	SL	0.25 % v/v		0.25 % v/v	R3	B									
5	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R5	C									
5	NIS	100	SL	0.25 % v/v		0.25 % v/v	R5	C									
5	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R6	D									
5	NIS	100	SL	0.25 % v/v		0.25 % v/v	R6	D									
6	250,000								3.24 b	0.29 b	3.3 b	111 ab	124.8 b-e	4.4 b	6.4 b		
6	IRRIGATED																
6	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R3	B									
6	NIS	100	SL	0.25 % v/v		0.25 % v/v	R3	B									
6	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R5	C									
6	NIS	100	SL	0.25 % v/v		0.25 % v/v	R5	C									
6	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R6	D									
6	NIS	100	SL	0.25 % v/v		0.25 % v/v	R6	D									
7	125,000								2.11 b	0.17 b	2.6 b	110 abc	85.0 efg	2.1 b	7.3 b		
7	IRRIGATED																
7	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A									
7	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A									
7	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R2	A									
7	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R2	A									
7	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C									
7	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C									
7	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R5	C									
7	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R5	C									
8	250,000								2.78 b	0.21 b	2.8 b	110 a-d	128.8 bcd	2.5 b	7.0 b		
8	IRRIGATED																
8	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A									
8	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A									
8	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R2	A									
8	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R2	A									
8	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C									
8	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C									
8	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R5	C									
8	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R5	C									

High Yield Soybean -ISA.

Trial ID: 09-BullTest

Location: Carbondale, IL

Project ID:

Sponsor Contact:

Pest Code
Crop Code
Rating Date
Rating Data Type
Rating Unit
Rating Timing
Trt-Eval Interval

GLXMA 09-30-09 LAI	GLXMA 09-30-09 SEL	GLXMA 10-02-09 Greenness 1-9 R7.5 23 DA-D	GLXMA 10-14-09 Height cm	GLXMA 10-14-09 Plants 000/A	GLXMA 10-15-09 Leaf Retain 1-9	GLXMA 10-15-09 Harvestable 1-9
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Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
9	250,000								3.70 b	0.33 b	4.9 ab	112 a	123.5 b-f	4.5 b	6.8 b	
9	IRRIGATED															
9	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R3	B								
9	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R3	B								
9	NIS	100	SL	0.25 % v/v	0.25	% v/v	R3	B								
9	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R5	C								
9	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R5	C								
9	NIS	100	SL	0.25 % v/v	0.25	% v/v	R5	C								
9	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R6	D								
9	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R6	D								
9	NIS	100	SL	0.25 % v/v	0.25	% v/v	R6	D								
10	125,000								3.58 b	0.26 b	3.8 b	110 a-e	83.7 fg	4.3 b	6.8 b	
10	IRRIGATED															
10	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R3	B								
10	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R3	B								
10	NIS	100	SL	0.25 % v/v	0.25	% v/v	R3	B								
10	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R5	C								
10	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R5	C								
10	NIS	100	SL	0.25 % v/v	0.25	% v/v	R5	C								
10	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R6	D								
10	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R6	D								
10	NIS	100	SL	0.25 % v/v	0.25	% v/v	R6	D								
11	125,000								3.34 b	0.26 b	3.8 b	112 ab	85.0 efg	3.9 b	6.1 b	
11	IRRIGATED															
11	NITAMIN	3	SL	2.5 gal/a	7.5	lb ai/a	R2	A								
11	UREA	46	GR	100 lb/a	46	lb ai/a	R2	A								
11	MAX-IN FOR BEANS	10	L	2 qt/a	5	lb ai/a	R2	A								
11	RADIATE	0.0868	L	2 fl oz/a	0.00136	lb ai/a	R2	A								
11	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R3	B								
11	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R3	B								
11	NIS	100	SL	0.25 % v/v	0.25	% v/v	R3	B								
11	NITAMIN	3	SL	2.5 gal/a	7.5	lb ai/a	R5	C								
11	UREA	46	GR	100 lb/a	46	lb ai/a	R5	C								
11	MAX-IN FOR BEANS	10	L	2 qt/a	5	lb ai/a	R5	C								
11	RADIATE	0.0868	L	2 fl oz/a	0.00136	lb ai/a	R5	C								
11	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R5	C								
11	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R5	C								
11	NIS	100	SL	0.25 % v/v	0.25	% v/v	R5	C								
11	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R6	D								
11	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R6	D								
11	NIS	100	SL	0.25 % v/v	0.25	% v/v	R6	D								
12	250,000								2.64 b	0.17 b	4.0 b	111 ab	144.8 b	4.4 b	5.9 b	
12	IRRIGATED															
12	NITAMIN	3	SL	2.5 gal/a	7.5	lb ai/a	R2	A								
12	UREA	46	GR	100 lb/a	46	lb ai/a	R2	A								
12	MAX-IN FOR BEANS	10	L	2 qt/a	5	lb ai/a	R2	A								
12	RADIATE	0.0868	L	2 fl oz/a	0.00136	lb ai/a	R2	A								
12	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R3	B								
12	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R3	B								
12	NIS	100	SL	0.25 % v/v	0.25	% v/v	R3	B								
12	NITAMIN	3	SL	2.5 gal/a	7.5	lb ai/a	R5	C								
12	UREA	46	GR	100 lb/a	46	lb ai/a	R5	C								
12	MAX-IN FOR BEANS	10	L	2 qt/a	5	lb ai/a	R5	C								
12	RADIATE	0.0868	L	2 fl oz/a	0.00136	lb ai/a	R5	C								
12	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R5	C								
12	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R5	C								
12	NIS	100	SL	0.25 % v/v	0.25	% v/v	R5	C								
12	HEADLINE	2.09	L	6 fl oz/a	0.098	lb ai/a	R6	D								
12	WARRIOR	1	L	3.2 fl oz/a	0.025	lb ai/a	R6	D								
12	NIS	100	SL	0.25 % v/v	0.25	% v/v	R6	D								
13	250,000								2.66 b	0.13 b	3.6 b	105 e-h	154.1 b	2.6 b	7.5 b	
13	NOT IRRIGATED															
13	NONTREATED															
14	125,000								2.80 b	0.21 b	4.0 b	104 gh	86.3 efg	2.5 b	8.3 b	
14	NOT IRRIGATED															
14	NONTREATED															

High Yield Soybean -ISA.

Trial ID: 09-BullTest

Location: Carbondale, IL

Project ID:

Sponsor Contact:

Pest Code

Crop Code

Rating Date

Rating Data Type

Rating Unit

Rating Timing

Trt-Eval Interval

GLXMA 09-30-09 LAI	GLXMA 09-30-09 SEL	GLXMA 10-02-09 Greenness 1-9 R7 23 DA-D	GLXMA 10-14-09 Height cm	GLXMA 10-14-09 Plants 000/A	GLXMA 10-15-09 Leaf Retain 1-9	GLXMA 10-15-09 Harvestable 1-9
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Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
15	125,000									3.18 b	0.46 b	3.3 b	102 h	77.0 g	2.4 b	7.9 b
15	NOT IRRIGATED															
15	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A								
15	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A								
15	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C								
15	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C								
16	250,000									1.98 b	0.18 b	2.9 b	105 d-h	128.8 bcd	2.5 b	7.0 b
16	NOT IRRIGATED															
16	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A								
16	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A								
16	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C								
16	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C								
17	250,000									3.36 b	0.24 b	3.9 b	106 c-h	123.5 b-f	3.8 b	6.8 b
17	NOT IRRIGATED															
17	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R3	B								
17	NIS	100	SL	0.25 % v/v		0.25 % v/v	R3	B								
17	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R5	C								
17	NIS	100	SL	0.25 % v/v		0.25 % v/v	R5	C								
17	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R6	D								
17	NIS	100	SL	0.25 % v/v		0.25 % v/v	R6	D								
18	125,000									3.67 b	0.26 b	4.9 ab	104 fgh	99.6 c-g	4.4 b	6.4 b
18	NOT IRRIGATED															
18	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R3	B								
18	NIS	100	SL	0.25 % v/v		0.25 % v/v	R3	B								
18	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R5	C								
18	NIS	100	SL	0.25 % v/v		0.25 % v/v	R5	C								
18	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R6	D								
18	NIS	100	SL	0.25 % v/v		0.25 % v/v	R6	D								
19	250,000									2.77 b	0.27 b	4.5 b	108 a-g	135.5 bc	3.9 b	6.1 b
19	NOT IRRIGATED															
19	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A								
19	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A								
19	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R2	A								
19	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R2	A								
19	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C								
19	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C								
19	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R5	C								
19	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R5	C								
20	125,000									3.08 b	0.26 b	4.8 b	104 gh	94.3 d-g	2.9 b	7.3 b
20	NOT IRRIGATED															
20	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R2	A								
20	UREA	46	GR	100 lb/a		46 lb ai/a	R2	A								
20	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R2	A								
20	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R2	A								
20	NITAMIN	3	SL	2.5 gal/a		7.5 lb ai/a	R5	C								
20	UREA	46	GR	100 lb/a		46 lb ai/a	R5	C								
20	MAX-IN FOR BEANS	10	L	2 qt/a		5 lb ai/a	R5	C								
20	RADIATE	0.0868	L	2 fl oz/a		0.00136 lb ai/a	R5	C								
21	125,000									3.97 b	0.33 b	4.8 b	103 h	86.3 efg	5.0 b	6.4 b
21	NOT IRRIGATED															
21	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R3	B								
21	WARRIOR	1	L	3.2 fl oz/a		0.025 lb ai/a	R3	B								
21	NIS	100	SL	0.25 % v/v		0.25 % v/v	R3	B								
21	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R5	C								
21	WARRIOR	1	L	3.2 fl oz/a		0.025 lb ai/a	R5	C								
21	NIS	100	SL	0.25 % v/v		0.25 % v/v	R5	C								
21	HEADLINE	2.09	L	6 fl oz/a		0.098 lb ai/a	R6	D								
21	WARRIOR	1	L	3.2 fl oz/a		0.025 lb ai/a	R6	D								
21	NIS	100	SL	0.25 % v/v		0.25 % v/v	R6	D								

High Yield Soybean -ISA.

Trial ID: 09-BullTest

Location: Carbondale, IL

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Pest Code
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Rating Timing
Trt-Eval Interval

GLXMA 09-30-09 LAI	GLXMA 09-30-09 SEL	GLXMA 10-02-09 Greenness	GLXMA 10-14-09 Height cm	GLXMA 10-14-09 Plants 000/A	GLXMA 10-15-09 Leaf Retain 1-9	GLXMA 10-15-09 Harvestable 1-9
R7 23 DA-D	R7 23 DA-D	R7.5 25 DA-D				

Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code								
22	250,000								3.53 b	0.27 b	4.5 b	108 a-g	146.1 b	4.4 b	6.4 b	
22	NOT IRRIGATED															
22	HEADLINE	2.09 L		6 fl oz/a	0.098 lb ai/a		R3	B								
22	WARRIOR	1 L		3.2 fl oz/a	0.025 lb ai/a		R3	B								
22	NIS	100 SL		0.25 % v/v	0.25 % v/v		R3	B								
22	HEADLINE	2.09 L		6 fl oz/a	0.098 lb ai/a		R5	C								
22	WARRIOR	1 L		3.2 fl oz/a	0.025 lb ai/a		R5	C								
22	NIS	100 SL		0.25 % v/v	0.25 % v/v		R5	C								
22	HEADLINE	2.09 L		6 fl oz/a	0.098 lb ai/a		R6	D								
22	WARRIOR	1 L		3.2 fl oz/a	0.025 lb ai/a		R6	D								
22	NIS	100 SL		0.25 % v/v	0.25 % v/v		R6	D								
23	250,000								3.17 b	0.38 b	3.9 b	106 c-h	148.7 b	3.8 b	6.1 b	
23	NOT IRRIGATED															
23	NITAMIN	3 SL		2.5 gal/a	7.5 lb ai/a		R2	A								
23	UREA	46 GR		100 lb/a	46 lb ai/a		R2	A								
23	MAX-IN FOR BEANS	10 L		2 qt/a	5 lb ai/a		R2	A								
23	RADIATE	0.0868 L		2 fl oz/a	0.00136 lb ai/a		R2	A								
23	HEADLINE	2.09 L		6 fl oz/a	0.098 lb ai/a		R3	B								
23	WARRIOR	1 L		3.2 fl oz/a	0.025 lb ai/a		R3	B								
23	NIS	100 SL		0.25 % v/v	0.25 % v/v		R3	B								
23	NITAMIN	3 SL		2.5 gal/a	7.5 lb ai/a		R5	C								
23	UREA	46 GR		100 lb/a	46 lb ai/a		R5	C								
23	MAX-IN FOR BEANS	10 L		2 qt/a	5 lb ai/a		R5	C								
23	RADIATE	0.0868 L		2 fl oz/a	0.00136 lb ai/a		R5	C								
23	HEADLINE	2.09 L		6 fl oz/a	0.098 lb ai/a		R5	C								
23	WARRIOR	1 L		3.2 fl oz/a	0.025 lb ai/a		R5	C								
23	NIS	100 SL		0.25 % v/v	0.25 % v/v		R5	C								
23	HEADLINE	2.09 L		6 fl oz/a	0.098 lb ai/a		R6	D								
23	WARRIOR	1 L		3.2 fl oz/a	0.025 lb ai/a		R6	D								
23	NIS	100 SL		0.25 % v/v	0.25 % v/v		R6	D								
24	125,000								3.82 b	0.30 b	4.0 b	106 c-h	77.0 g	4.4 b	6.3 b	
24	NOT IRRIGATED															
24	NITAMIN	3 SL		2.5 gal/a	7.5 lb ai/a		R2	A								
24	UREA	46 GR		100 lb/a	46 lb ai/a		R2	A								
24	MAX-IN FOR BEANS	10 L		2 qt/a	5 lb ai/a		R2	A								
24	RADIATE	0.0868 L		2 fl oz/a	0.00136 lb ai/a		R2	A								
24	HEADLINE	2.09 L		6 fl oz/a	0.098 lb ai/a		R3	B								
24	WARRIOR	1 L		3.2 fl oz/a	0.025 lb ai/a		R3	B								
24	NIS	100 SL		0.25 % v/v	0.25 % v/v		R3	B								
24	NITAMIN	3 SL		2.5 gal/a	7.5 lb ai/a		R5	C								
24	UREA	46 GR		100 lb/a	46 lb ai/a		R5	C								
24	MAX-IN FOR BEANS	10 L		2 qt/a	5 lb ai/a		R5	C								
24	RADIATE	0.0868 L		2 fl oz/a	0.00136 lb ai/a		R5	C								
24	HEADLINE	2.09 L		6 fl oz/a	0.098 lb ai/a		R5	C								
24	WARRIOR	1 L		3.2 fl oz/a	0.025 lb ai/a		R5	C								
24	NIS	100 SL		0.25 % v/v	0.25 % v/v		R5	C								
24	HEADLINE	2.09 L		6 fl oz/a	0.098 lb ai/a		R6	D								
24	WARRIOR	1 L		3.2 fl oz/a	0.025 lb ai/a		R6	D								
24	NIS	100 SL		0.25 % v/v	0.25 % v/v		R6	D								
LSD (P=.05)									4.189	4.102	4.26	5.1	40.64	5.34	4.91	
Replicate F									0.686	0.992	1.036	3.988	1.815	0.677	1.025	
Replicate Prob(F)									0.5636	0.4018	0.3823	0.0111	0.1526	0.5690	0.3871	
Treatment F									0.757	0.973	0.895	3.063	5.241	0.916	1.048	
Treatment Prob(F)									0.7693	0.5093	0.6035	0.0002	0.0001	0.5786	0.4225	

Means followed by same letter do not significantly differ (P=.05, LSD)

Trial Comments

1. Protocol: ISA/UIUC-Davis/WIU.
2. Ratings:
3. Yield.
4. Manage weeds as needed.

High Yield Soybean -ISA.

Trial ID: 09-BullTest

Location: Carbondale, IL

Project ID:

Sponsor Contact:

Blanket POST application of Sequence (3 pt/A) + AMS (5%) was applied at V2.

Urea applications were made by hand as a separate application on the same day as the liquid application, per application timing.

5. LAI - Leaf Area Index, SEL - Standard Error of LAI.

LAI taken with Li-Cor LAI-2000 Plant Canopy Analyzer.

R6.5, R7, and R7.5 = Reproductive stage of soybean 6.5, 7, and 7.5, respectively.

Greenness = Soybean leaf greenness, 1 = brown and all leaves dropped, 5 = yellow, 9 = deep green.

Height = Soybean plant height to the base of the highest pod, measured 5 random plants per plot.

Plants = Soybean plants that survived to produce pods. 000/A = Thousands per acre.

Leaf Retain = Lack of leaf drop, 1 = all leaves dropped, 9 = all leaves retained.

Harvestable = Harvesting difficulty due to lodging, 1 = plants on soil surface, 5 = plants within 12 inches of soil surface, 9 = no lodging.

6. Harvested 11-4-09, (4) 15 inch rows by 27 ft.