

Evaluation of Tackle Herbicide in No-Till Soybean.

Trial ID: 08-2B-M50 Location: Belleville Res. Center

Investigator: Bryan Young, Professor, Southern Illinois University, bgyoung@siu.edu
 City State Zip Country: Belleville IL 62221 USA
 Trial Status: FINAL Initiation Date: 05-07-08

Objectives: Determine if Tackle herbicide will provide weed control and have soybean selectivity equal to or better than Extreme.

Crop 1: GLXMA Soybean Variety: AG 4404 RR/STS
 Planting Method: SEEDED Planting Date: 06-15-08
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W	Code: HORPU	Hordeum pusillum Nutt.	barley, little
Pest 2 Type: W	Code: CAPBP	Capsella bursa-pastoris (L.) Med	shepherdspurse
Pest 3 Type: W	Code: RANAB	Ranunculus abortivus L.	buttercup, smallflower
Pest 4 Type: W	Code: STEME	Stellaria media (L.) Vill.	chickweed, common
Pest 5 Type: W	Code: ALLVI	Allium vineale L.	garlic, wild
Pest 6 Type: W	Code: SETFA	Setaria faberi Herrm.	foxtail, giant
Pest 7 Type: W	Code: AMBTR	Ambrosia trifida L.	ragweed, giant
Pest 8 Type: W	Code: ALOCA	Alopecurus carolinianus Walt.	foxtail, Carolina
Pest 9 Type: W	Code: AMATA	Amaranthus rudis Sauer	waterhemp, common
Pest10 Type: W	Code: PANDI	Panicum dichotomiflorum Michx.	panicum, fall
Pest11 Type: W	Code: AMBEL	Ambrosia artemisiifolia L.	ragweed, common
Pest12 Type: W	Code: CYPES	Cyperus esculentus L.	nutsedge, yellow

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 28 FT Tillage Type: NO-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2007

Field Prep./Maintenance: N 0 LB/A, P205 0 LB/A, K20 150 LB/A

% OM: 1.6 Texture: SILT LOAM
 pH: 6.1 Soil Name: PIERRON
 CEC: 8 Fert. Level: P1: 91 LB/A, K: 410 LB/A

Application Description

	A	B
Application Date:	05-07-08	06-24-08
Time of Day:	11:30	10:00
Application Method:	Spray	Spray
Application Timing:	14EPP	14-21DAP
Application Placement:	BROFOL	BROFOL
Applied By:	RFK	DKT
Air Temperature, Unit:	70 F	76 F
% Relative Humidity:	92	86
Wind Velocity, Unit:	5 MPH	4 MPH
Dew Presence (Y/N):	N	N
Soil Temperature, Unit:	66 F	81 F
Soil Moisture:	ABONOR	NORMAL
	05-07-08	06-24-08
Crop stage at application:	NA	VC
Height Min, Max (inch):	0.5	2

Evaluation of Tackle Herbicide in No-Till Soybean.

Trial ID: 08-2B-M50

Location: Belleville Res. Center

Pest Stage At Each Application

Application Date:	05-07-08	06-24-08
Weed Code:	HORPU	HORPU
Stage Majority (leaves):	5	NA
Stage Min, Max:	5	6
Height Majority:	6	IN
Height Min, Max:	4	6
Density, Unit:	1	FT2
Weed Code:	CAPBP	CAPBP
Stage Majority (leaves):	10+	NA
Stage Min, Max:	10	10+
Height Majority:	12	IN
Height Min, Max:	6	12
Density, Unit:	3	FT2
Weed Code:	RANAB	RANAB
Stage Majority (leaves):	10+	NA
Stage Min, Max:	10	10+
Height Majority:	10	IN
Height Min, Max:	6	12
Density, Unit:	2	FT2
Weed Code:	STEME	STEME
Stage Majority (leaves):	10+	NA
Stage Min, Max:	10	10+
Height Majority:	3	IN
Height Min, Max:	1	3
Density, Unit:	1	FT2
Weed Code:	ALLVI	ALLVI
Stage Majority (leaves):	4	NA
Stage Min, Max:	3	4
Height Majority:	12	IN
Height Min, Max:	6	12
Density, Unit:	1	FT2
Weed Code:	SETFA	SETFA
Stage Majority (leaves):	2	5
Stage Min, Max:	1	2 3 6
Height Majority:	1	IN 7 IN
Height Min, Max:	0	1 4 8
Density, Unit:	3	FT2 1 FT2
Weed Code:	AMBTR	AMBTR
Stage Majority (leaves):	4	10
Stage Min, Max:	5	6 6 12
Height Majority:	3	IN 6 IN
Height Min, Max:	1	3 3 9
Density, Unit:	2	FT2 1 FT2
Weed Code:	ALOCA	ALOCA
Stage Majority (leaves):	5	NA
Stage Min, Max:	5	6
Height Majority:	6	IN
Height Min, Max:	4	6
Density, Unit:	3	FT2
Weed Code:	AMATA	AMATA
Stage Majority (leaves):	NA	3
Stage Min, Max:		0.5 7
Height Majority:		10 IN
Height Min, Max:		2 12
Density, Unit:		3 FT2
Weed Code:	PANDI	PANDI
Stage Majority (leaves):	NA	4
Stage Min, Max:		2 5
Height Majority:		6 IN
Height Min, Max:		3 8
Density, Unit:		1 FT2
Weed Code:	AMBEL	AMBEL
Stage Majority (leaves):	3	6
Stage Min, Max:	1	4 2 6
Height Majority:	2	IN 4 IN
Height Min, Max:	1	2 0.5 5
Density, Unit:		1 FT2
Weed Code:	CYPES	CYPES
Stage Majority (leaves):	NA	NA

Application Equipment

Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	30 PSI	30 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	XR 8002	XR 8002
Boom Length, Unit:	7.5 FT	7.5 FT
Spray Volume, Unit:	15 GPA	15 GPA

Evaluation of Tackle Herbicide in No-Till Soybean.

Trial ID: 08-2B-M50

Location: Belleville Res. Center

Pest Code		HORPU		CAPBP		RANAB		STEME		ALLVI		ALLVI	
Crop Code		05-21-08		05-21-08		05-21-08		05-21-08		05-21-08		06-04-08	
Rating Date		Control		Control		Control		Control		Control		Control	
Rating Data Type		Percent		Percent		Percent		Percent		Percent		Percent	
Rating Unit		14 DA-A		14 DA-A		14 DA-A		14 DA-A		14 DA-A		28 DA-A	
Rating Timing		14 DA-A		14 DA-A		14 DA-A		14 DA-A		14 DA-A		28 DA-A	
Trt-Eval Interval		14 DA-A		14 DA-A		14 DA-A		14 DA-A		14 DA-A		28 DA-A	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	99 a	99 a	50 a 83 a
1	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B					
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
2	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	99 a	99 a	50 a 80 ab
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
2	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B					
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
3	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	99 a	99 a	50 a 90 a
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
3	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A					
3	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B					
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
4	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14EPP	A	99 a	99 a	99 a	99 a	50 a 87 a
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
4	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A					
4	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B					
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	99 a	99 a	50 a 90 a
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B					
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
6	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	99 a	99 a	17 bc 50 c
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
6	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B					
7	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	99 a	99 a	33 ab 50 c
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
7	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B					
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
8	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	99 a	99 a	33 ab 63 bc
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
8	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B					
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
8	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B					
9	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	99 a	99 a	50 a 63 bc
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
9	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14-21DAP	B					
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
9	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B					
10	NONTREATED								0 b	0 b	0 b	0 b	0 c 0 d
LSD (P=.05)									0.0	0.0	0.0	0.0	25.0 17.3
Replicate F									0.000	0.000	0.000	0.000	2.739 2.087
Replicate Prob(F)									1.0000	1.0000	1.0000	1.0000	0.0915 0.1531
Treatment F									0.000	0.000	0.000	0.000	4.391 22.685
Treatment Prob(F)									1.0000	1.0000	1.0000	1.0000	0.0037 0.0001

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

Evaluation of Tackle Herbicide in No-Till Soybean.

Trial ID: 08-2B-M50

Location: Belleville Res. Center

Pest Code				SETFA	SETFA	SETFA	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR	AMBTR				
Crop Code				05-21-08	06-04-08	07-29-08	05-21-08	06-04-08	07-08-08	07-22-08	07-29-08	07-29-08				
Rating Date				Control	Control	Control	Control	Control	Control	Control	Control	Control				
Rating Data Type				Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent				
Rating Unit				14 DA-A	28 DA-A	35 DA-B	14 DA-A	28 DA-A	14 DA-B	28 DA-B	35 DA-B	35 DA-B				
Rating Timing																
Trt-Eval Interval																
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code								
1	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	82 c	96 a	93 b	92 abc	83 abc	85 a
1	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B								
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
2	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	88 ab	96 a	96 ab	90 bc	81 bc	78 a
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
2	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B								
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
3	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	78 c	99 a	99 a	95 ab	84 abc	82 a
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
3	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A								
3	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B								
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
4	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14EPP	A	99 a	99 a	83 bc	99 a	98 a	95 ab	88 abc	92 a
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
4	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A								
4	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B								
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	93 a	99 a	99 a	94 ab	93 ab	93 a
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B								
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
6	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	90 a	93 a	96 ab	88 c	78 c	75 a
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
6	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B								
7	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	93 a	96 a	98 a	93 abc	85 abc	75 a
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
7	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B								
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
8	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	92 a	93 a	96 ab	94 ab	88 abc	92 a
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
8	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B								
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
8	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B								
9	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	96 b	90 a	96 a	96 ab	96 a	95 a	95 a
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
9	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14-21DAP	B								
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
9	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B								
10	NONTREATED								0 b	0 c	0 d	0 b	0 c	0 d	0 d	0 b
LSD (P=.05)									0.0	2.8	6.4	6.8	3.4	5.6	12.7	21.1
Replicate F									0.000	1.000	0.536	1.189	0.643	2.316	1.111	0.072
Replicate Prob(F)									1.0000	0.3874	0.5939	0.3274	0.5374	0.1273	0.3509	0.9309
Treatment F									0.000	1082.667	170.887	176.019	716.170	245.642	42.003	15.587
Treatment Prob(F)									1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

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

Southern Illinois University

Evaluation of Tackle Herbicide in No-Till Soybean.

Trial ID: 08-2B-M50 Location: Belleville Res. Center

Pest Code								ALOCA	ALOCA	AMATA	AMATA	AMATA	PANDI	PANDI	PANDI	
Crop Code								05-21-08	06-04-08	07-08-08	07-22-08	07-29-08	07-08-08	07-22-08	07-29-08	
Rating Date								Control	Control	Control	Control	Control	Control	Control	Control	
Rating Data Type								Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	
Rating Unit																
Rating Timing																
Trt-Eval Interval								14 DA-A	28 DA-A	14 DA-B	28 DA-B	35 DA-B	14 DA-B	28 DA-B	35 DA-B	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code								
1	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	50 a	87 a	94 ab	80 a	83 a	99 a	88 b	90 ab
1	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B								
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
2	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	50 a	88 a	93 b	80 a	75 a	99 a	96 a	92 ab
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
2	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B								
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
3	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	50 a	87 a	96 ab	83 a	82 a	98 ab	88 b	90 ab
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
3	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A								
3	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B								
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
4	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14EPP	A	50 a	88 a	95 ab	77 a	78 a	98 b	87 b	87 b
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
4	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A								
4	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B								
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	50 a	85 a	96 ab	77 a	82 a	99 a	95 a	93 a
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B								
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
6	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	50 a	75 a	94 ab	78 a	63 a	99 a	96 a	92 ab
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
6	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B								
7	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	50 a	85 a	98 a	81 a	58 a	99 a	96 a	93 a
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
7	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B								
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
8	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	50 a	83 a	95 ab	80 a	75 a	99 a	94 a	93 a
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
8	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B								
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
8	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B								
9	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	50 a	77 a	93 b	83 a	83 a	99 a	96 a	93 a
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A								
9	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14-21DAP	B								
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B								
9	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B								
10	NONTREATED								0 b	0 b	0 c	0 b	0 b	0 c	0 c	0 c
LSD (P=.05)									0.0	14.7	4.1	15.8	28.3	0.8	5.3	5.2
Replicate F									0.000	1.266	9.621	0.556	1.383	2.667	0.093	0.091
Replicate Prob(F)									1.0000	0.3059	0.0014	0.5828	0.2761	0.0968	0.9116	0.9135
Treatment F									0.000	29.760	485.440	22.799	7.070	14616.390	270.832	275.394
Treatment Prob(F)									1.0000	0.0001	0.0001	0.0001	0.0002	0.0001	0.0001	0.0001

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

Evaluation of Tackle Herbicide in No-Till Soybean.

Trial ID: 08-2B-M50

Location: Belleville Res. Center

Pest Code	AMBEL	AMBEL	AMBEL	CYPES	CYPES
Crop Code					
Rating Date	07-08-08	07-22-08	07-29-08	07-08-08	07-22-08
Rating Data Type	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent
Rating Timing					
Trt-Eval Interval	14 DA-B	28 DA-B	35 DA-B	14 DA-B	28 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code					
1	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	98 a	92 c	92 a	91 a	82 bc
1	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B					
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
2	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	95 a	94 a	83 abc
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
2	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B					
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
3	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	93 bc	93 a	96 a	86 abc
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
3	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A					
3	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B					
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
4	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14EPP	A	99 a	96 abc	92 a	95 a	79 c
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
4	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A					
4	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B					
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	99 a	99 a	95 a	92 a	90 ab
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B					
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
6	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	93 a	89 a	90 ab
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
6	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B					
7	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	92 a	92 a	90 ab
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
7	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B					
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
8	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	98 ab	93 a	94 a	89 ab
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
8	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B					
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
8	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B					
9	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	99 a	99 a	92 a	93 a	92 a
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A					
9	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14-21DAP	B					
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B					
9	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B					
10	NONTREATED								0 b	0 d	0 b	0 b	0 d
LSD (P=.05)									0.8	5.0	3.9	6.5	9.1
Replicate F									1.189	1.887	2.053	0.447	0.564
Replicate Prob(F)									0.3274	0.1803	0.1574	0.6466	0.5785
Treatment F									14934.888	329.988	492.211	181.843	82.474
Treatment Prob(F)									0.0001	0.0001	0.0001	0.0001	0.0001

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

Evaluation of Tackle Herbicide in No-Till Soybean.

Trial ID: 08-2B-M50

Location: Belleville Res. Center

Pest Code											
Crop Code											
Rating Date								GLXMA	GLXMA	GLXMA	GLXMA
Rating Data Type								07-01-08	07-08-08	07-22-08	07-29-08
Rating Unit								Injury	Injury	Injury	Injury
Rating Timing								Percent	Percent	Percent	Percent
Trt-Eval Interval								7 DA-B	14 DA-B	28 DA-B	35 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code				
1	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
1	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B				
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B				
2	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A				
2	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B				
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B				
3	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A				
3	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A				
3	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B				
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B				
4	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14EPP	A	0 a	0 a	0 a	0 a
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A				
4	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14EPP	A				
4	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14-21DAP	B				
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B				
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A				
5	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B				
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B				
6	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A				
6	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B				
7	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A				
7	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B				
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B				
8	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A				
8	TACKLE	4	SL	1 lb ai/a	32 fl oz/a		14-21DAP	B				
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B				
8	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B				
9	GLYFOS X-TRA	3	SL	0.75 lb ae/a	32 fl oz/a		14EPP	A	0 a	0 a	0 a	0 a
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14EPP	A				
9	EXTREME	2.17	SL	0.81 lb ai/a	3 pt/a		14-21DAP	B				
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v		14-21DAP	B				
9	ACTIVATOR 90	100	SL	0.125 % v/v	0.125 % v/v		14-21DAP	B				
10	NONTREATED								0 a	0 a	0 a	0 a
LSD (P=.05)									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

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

Trial Comments

1. Protocol: Cheminova (HGLXMATACO805).
2. Ratings: CI/WC at 14+28 DA"A"; CI at 7 DA"B"; CI/WC at 14, 28 + 35 DA"B".
3. Rate injury as chlorosis, necrosis, or stunting if observed.
4. DA-A = Days after the 14EPP application. DA-B = Days after the 14-21DAP application.
5. At the Belleville Research Center the above normal rainfall in spring 2008 (no more than four consecutive rain-free days between March 22 and June 15) delayed corn and soybean planting until mid-June.
6. Following the 14DBP application on May 7, rainfall was 4.29 inch over the next 2 days, and 1.1 inch 4 days later.
7. Not harvested.