

Cooperative POST Soybean Glyphosate Tank-Mix Adjuvants - Site 2.

Trial ID: 09-10B-W150

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: 06-30-09

Objectives: Determine the role of adjuvants used in tank-mixtures
 of broadleaf herbicides with glyphosate.

Crop 1: GLXMA Soybean Variety: AG 4404 Description: RR/STS
 Planting Method: SEEDS Planting Date: 06-30-09
 Rate, Unit: 75 LB/A Depth, Unit: 1.0 IN
 Row Spacing, Unit: 30 IN

Pest 1 Type: W Code: AMBTR Ambrosia trifida L. ragweed, giant
 Pest 2 Type: W Code: IPOSS morningglory, species
 Pest 3 Type: W Code: ABUTH Abutilon theophrasti Medicus velvetleaf

Plot Width, Unit: 10 FT Site Type: FIELD
 Plot Length, Unit: 24 FT Tillage Type: REDUCED-TILL
 Replications: 3 Study Design: Randomized Complete Block

Prior Crops, Year
 1. ZEAMD 2008

Field Prep./Maintenance: N 0 LB/A, P205 50 LB/A, K20 100 LB/A

% OM: 2 Texture: SILT LOAM
 pH: 6.2 Soil Name: PIERRON
 CEC: 11 Fert. Level: P1 88 LB/A, K 445 LB/A

Application Description A

Application Date: 07-20-09
 Time of Day: 10:15 AM
 Application Method: Spray
 Application Timing: MPOST
 Application Placement: BROFOL
 Applied By: DKP
 Air Temperature, Unit: 72 F
 % Relative Humidity: 90
 Wind Velocity, Unit: 4 MPH
 Wind Direction: SE
 Dew Presence (Y/N): N
 Soil Moisture: NORMAL
 % Cloud Cover: 20

Crop stage at application: 07-20-09
 Height Min, Max (inch): V1
 3 6

Pest Stage At Each Application

Application Date: 07-20-09
 Weed Code: AMBTR
 Stage Majority (leaves): 3
 Stage Min, Max: 2 4
 Height Majority: 4 IN
 Height Min, Max: 1 7
 Density, Unit: 1 FT2
 Weed Code: IPOSS
 Stage Majority (leaves): 2
 Stage Min, Max: 2 4
 Height Majority: 2 IN
 Height Min, Max: 1 4
 Density, Unit: 0.1 FT2
 Weed Code: ABUTH
 Stage Majority (leaves): 4
 Stage Min, Max: 2 4
 Height Majority: 3 IN
 Height Min, Max: 1 5
 Density, Unit: 4 FT2

Application Equipment

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

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										AMBTR		
Pest Code										AMBTR		
Crop Code										AMBTR		
Rating Date										AMBTR		
Rating Data Type										AMBTR		
Rating Unit										AMBTR		
Rating Timing										AMBTR		
Trt-Eval Interval										AMBTR		
										GLXMA	GLXMA	GLXMA
										11-10-09	11-10-09	07-27-09
										Moisture	Yield	Injury
										Percent	bu/A	Percent
										Percent	Percent	Percent
										Percent	Percent	Percent
										08-03-09	08-17-09	09-14-09
										Control	Control	Control
										Percent	Percent	Percent
										Percent	Percent	Percent
										7 DA-A	14 DA-A	28 DA-A
										14 DA-A	28 DA-A	56 DA-A
Trt	Treatment	Form	Form	Rate	Other	Other	Growth	Appl				
No.	Name	Conc	Type	Unit	Rate	Rate	Stage	Code				
1	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.9 a-f	29 a-d	0 j	0 h	0 b
1	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					97 bc
2	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	16.0 a-f	30 a-d	24 d	13 cde	0 b
2	COBRA	2	EC	0.094 lb ai/a	6 fl oz/a	MPOST	A					98 abc
2	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					97 a-d
3	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	16.3 a	37 ab	28 bc	15 a-d	1 ab
3	COBRA	2	EC	0.094 lb ai/a	6 fl oz/a	MPOST	A					97 c
3	PREFERENCE	100	SL	0.5 % v/v	0.5 % v/v	MPOST	A					96 cd
3	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					80 abc
4	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	16.1 abc	31 a-d	26 cd	14 b-e	1 ab
4	COBRA	2	EC	0.094 lb ai/a	6 fl oz/a	MPOST	A					98 ab
4	PRIME OIL COC	100	SL	1 % v/v	1 % v/v	MPOST	A					98 a-d
4	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					75 abc
5	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	16.2 ab	38 ab	24 d	14 a-d	1 ab
5	COBRA	2	EC	0.094 lb ai/a	6 fl oz/a	MPOST	A					99 ab
5	SUPERB HC	100	SL	0.5 % v/v	0.5 % v/v	MPOST	A					98 abc
5	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					72 bc
6	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	16.0 a-e	34 abc	25 cd	14 b-e	0 b
6	COBRA	2	EC	0.094 lb ai/a	6 fl oz/a	MPOST	A					98 abc
6	DESTINY HC	100	SL	0.5 % v/v	0.5 % v/v	MPOST	A					97 a-d
6	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					82 abc
7	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.6 c-f	22 de	29 ab	14 a-d	2 ab
7	COBRA	2	EC	0.188 lb ai/a	12 fl oz/a	MPOST	A					98 ab
7	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					97 bcd
8	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.7 a-f	29 a-d	26 cd	13 cde	1 ab
8	COBRA	2	EC	0.188 lb ai/a	12 fl oz/a	MPOST	A					99 ab
8	PREFERENCE	100	SL	0.5 % v/v	0.5 % v/v	MPOST	A					98 a-d
8	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					80 abc
9	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.7 a-f	30 a-d	31 a	16 ab	0 b
9	COBRA	2	EC	0.188 lb ai/a	12 fl oz/a	MPOST	A					99 ab
9	PRIME OIL COC	100	SL	1 % v/v	1 % v/v	MPOST	A					98 abc
9	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					81 abc
10	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.7 a-f	27 bcd	32 a	17 a	2 a
10	COBRA	2	EC	0.188 lb ai/a	12 fl oz/a	MPOST	A					98 abc
10	SUPERB HC	100	SL	0.5 % v/v	0.5 % v/v	MPOST	A					96 d
10	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					63 c
11	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.9 a-f	34 abc	30 ab	15 abc	0 b
11	COBRA	2	EC	0.188 lb ai/a	12 fl oz/a	MPOST	A					98 abc
11	DESTINY HC	100	SL	0.5 % v/v	0.5 % v/v	MPOST	A					96 cd
11	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					78 abc
12	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.7 b-f	35 abc	15 i	7 g	0 b
12	FLEXSTAR	1.88	EC	0.147 lb ai/a	10 fl oz/a	MPOST	A					98 abc
12	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					96 cd
13	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.7 a-f	26 cde	18 ghi	9 fg	0 b
13	FLEXSTAR	1.88	EC	0.147 lb ai/a	10 fl oz/a	MPOST	A					99 ab
13	PREFERENCE	100	SL	0.5 % v/v	0.5 % v/v	MPOST	A					99 ab
13	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					75 abc
14	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.4 ef	39 a	15 i	7 g	0 b
14	FLEXSTAR	1.88	EC	0.147 lb ai/a	10 fl oz/a	MPOST	A					99 a
14	PRIME OIL COC	100	SL	1 % v/v	1 % v/v	MPOST	A					99 a
14	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					86 ab
15	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a	MPOST	A	15.6 b-f	35 abc	17 hi	7 g	0 b
15	FLEXSTAR	1.88	EC	0.147 lb ai/a	10 fl oz/a	MPOST	A					99 a
15	SUPERB HC	100	SL	0.5 % v/v	0.5 % v/v	MPOST	A					99 a
15	N-PAK AMS	100	SL	5 % v/v	5 % v/v	MPOST	A					87 ab

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Pest Code										AMBTR			AMBTR	AMBTR											
Crop Code										GLXMA	GLXMA	GLXMA	GLXMA	GLXMA	08-03-09	08-17-09	09-14-09								
Rating Date										11-10-09	11-10-09	07-27-09	08-03-09	08-17-09	08-03-09	08-17-09	09-14-09								
Rating Data Type										Moisture	Yield	Injury	Injury	Injury	Control	Control	Control								
Rating Unit										Percent	bu/A	Percent	Percent	Percent	Percent	Percent	Percent								
Rating Timing										7 DA-A			14 DA-A	28 DA-A	14 DA-A	28 DA-A	56 DA-A								
Trt-Eval Interval										7 DA-A			14 DA-A	28 DA-A	14 DA-A	28 DA-A	56 DA-A								
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code																
16	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	15.8	a-f	32	a-d	19	fgh	9	fg	0	b	99	ab	98	abc	81	abc
16	FLEXSTAR	1.88	EC	0.147	lb ai/a	10	fl oz/a	MPOST	A																
16	DESTINY HC	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A																
16	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A																
17	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	16.0	a-d	31	a-d	19	fgh	11	ef	0	b	99	ab	99	ab	92	a
17	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	MPOST	A																
17	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A																
18	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	15.7	a-f	36	abc	20	fg	11	ef	0	b	98	abc	97	bcd	89	ab
18	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	MPOST	A																
18	PREFERENCE	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A																
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A																
19	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	15.8	a-f	37	ab	20	fg	9	fg	0	b	99	a	99	a	89	ab
19	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	MPOST	A																
19	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	MPOST	A																
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A																
20	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	15.5	def	27	bcd	24	de	14	b-e	1	ab	98	abc	97	bcd	85	ab
20	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	MPOST	A																
20	SUPERB HC	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A																
20	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A																
21	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	15.9	a-f	28	bcd	21	ef	12	de	0	b	98	ab	98	a-d	91	a
21	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	MPOST	A																
21	DESTINY HC	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A																
21	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A																
22	NONTREATED									15.4	f	16	e	0	j	0	h	0	b	0	d	0	e	0	d
LSD (P=.05)										0.58		10.7		2.7		2.9		1.8		1.5		2.3		19.0	
Replicate F										3.110		2.718		2.663		4.540		0.012		0.527		1.661		0.145	
Replicate Prob(F)										0.0564		0.0792		0.0815		0.0164		0.9880		0.5943		0.2022		0.8654	
Treatment F										1.344		2.257		81.498		20.853		0.953		1634.739		686.562		7.888	
Treatment Prob(F)										0.2109		0.0148		0.0001		0.0001		0.5330		0.0001		0.0001		0.0001	

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

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										IPOSS	IPOSS	IPOSS	ABUTH	ABUTH	ABUTH
Pest Code										08-03-09	08-17-09	09-14-09	08-03-09	08-17-09	09-14-09
Crop Code										Control	Control	Control	Control	Control	Control
Rating Date										Percent	Percent	Percent	Percent	Percent	Percent
Rating Data Type															
Rating Unit															
Rating Timing															
Trt-Eval Interval										14 DA-A	28 DA-A	56 DA-A	14 DA-A	28 DA-A	56 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	96	b-f	94	bcd	70	gh
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
2	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	97	a-e	95	a-d	72	fgh
2	COBRA	2	EC	0.094	lb ai/a	6	fl oz/a	MPOST	A					99	a
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
3	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	95	def	94	cd	70	gh
3	COBRA	2	EC	0.094	lb ai/a	6	fl oz/a	MPOST	A					99	a
3	PREFERENCE	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A					99	a
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
4	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	95	ef	95	a-d	68	h
4	COBRA	2	EC	0.094	lb ai/a	6	fl oz/a	MPOST	A					99	a
4	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	MPOST	A					99	a
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
5	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	98	abc	97	abc	73	e-h
5	COBRA	2	EC	0.094	lb ai/a	6	fl oz/a	MPOST	A					99	a
5	SUPERB HC	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A					99	a
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	97	a-d	95	a-d	80	b-e
6	COBRA	2	EC	0.094	lb ai/a	6	fl oz/a	MPOST	A					99	a
6	DESTINY HC	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A					99	a
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	97	a-d	95	a-d	75	d-h
7	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	MPOST	A					99	a
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	98	ab	97	abc	77	c-g
8	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	MPOST	A					99	a
8	PREFERENCE	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A					99	a
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	96	c-f	94	bcd	80	b-e
9	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	MPOST	A					99	a
9	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	MPOST	A					99	a
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	97	a-e	96	abc	80	b-e
10	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	MPOST	A					99	a
10	SUPERB HC	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A					99	a
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	94	f	92	d	80	b-e
11	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	MPOST	A					99	a
11	DESTINY HC	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A					99	a
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	98	ab	98	abc	80	b-e
12	FLEXSTAR	1.88	EC	0.147	lb ai/a	10	fl oz/a	MPOST	A					99	a
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
13	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	99	a	98	ab	82	a-d
13	FLEXSTAR	1.88	EC	0.147	lb ai/a	10	fl oz/a	MPOST	A					99	a
13	PREFERENCE	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A					99	a
13	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
14	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	98	ab	97	abc	78	c-g
14	FLEXSTAR	1.88	EC	0.147	lb ai/a	10	fl oz/a	MPOST	A					99	a
14	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	MPOST	A					99	a
14	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a
15	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	MPOST	A	99	a	98	abc	78	c-f
15	FLEXSTAR	1.88	EC	0.147	lb ai/a	10	fl oz/a	MPOST	A					99	a
15	SUPERB HC	100	SL	0.5	% v/v	0.5	% v/v	MPOST	A					99	a
15	N-PAK AMS	100	SL	5	% v/v	5	% v/v	MPOST	A					99	a

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Location: Belleville Res. Center

Pest Code	IPOSS	IPOSS	IPOSS	ABUTH	ABUTH	ABUTH
Crop Code						
Rating Date	08-03-09	08-17-09	09-14-09	08-03-09	08-17-09	09-14-09
Rating Data Type	Control	Control	Control	Control	Control	Control
Rating Unit	Percent	Percent	Percent	Percent	Percent	Percent
Rating Timing						
Trt-Eval Interval	14 DA-A	28 DA-A	56 DA-A	14 DA-A	28 DA-A	56 DA-A

Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate Unit	Growth Stage	Appl Code						
16	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		MPOST A		99 a	99 a	82 a-d	99 a	99 a	86 a-d
16	FLEXSTAR	1.88	EC	0.147 lb ai/a	10 fl oz/a		MPOST A							
16	DESTINY HC	100	SL	0.5 % v/v	0.5 % v/v		MPOST A							
16	N-PAK AMS	100	SL	5 % v/v	5 % v/v		MPOST A							
17	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		MPOST A		98 ab	97 abc	83 abc	99 a	99 a	88 abc
17	FLEXSTAR	1.88	EC	0.294 lb ai/a	20 fl oz/a		MPOST A							
17	N-PAK AMS	100	SL	5 % v/v	5 % v/v		MPOST A							
18	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		MPOST A		98 ab	97 abc	88 ab	99 a	99 a	91 a
18	FLEXSTAR	1.88	EC	0.294 lb ai/a	20 fl oz/a		MPOST A							
18	PREFERENCE	100	SL	0.5 % v/v	0.5 % v/v		MPOST A							
18	N-PAK AMS	100	SL	5 % v/v	5 % v/v		MPOST A							
19	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		MPOST A		99 a	98 a	88 a	99 a	99 a	89 ab
19	FLEXSTAR	1.88	EC	0.294 lb ai/a	20 fl oz/a		MPOST A							
19	PRIME OIL COC	100	SL	1 % v/v	1 % v/v		MPOST A							
19	N-PAK AMS	100	SL	5 % v/v	5 % v/v		MPOST A							
20	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		MPOST A		98 ab	97 abc	83 abc	99 a	99 a	87 a-d
20	FLEXSTAR	1.88	EC	0.294 lb ai/a	20 fl oz/a		MPOST A							
20	SUPERB HC	100	SL	0.5 % v/v	0.5 % v/v		MPOST A							
20	N-PAK AMS	100	SL	5 % v/v	5 % v/v		MPOST A							
21	ROUNDUP P-MAX	4.5	SL	0.77 lb ae/a	22 fl oz/a		MPOST A		98 ab	97 abc	84 abc	99 a	99 a	89 ab
21	FLEXSTAR	1.88	EC	0.294 lb ai/a	20 fl oz/a		MPOST A							
21	DESTINY HC	100	SL	0.5 % v/v	0.5 % v/v		MPOST A							
21	N-PAK AMS	100	SL	5 % v/v	5 % v/v		MPOST A							
22	NONTREATED								0 g	0 e	0 i	0 b	0 b	0 f
LSD (P=.05)									2.1	4.3	8.3	0.0	0.0	11.9
Replicate F									0.621	2.039	2.781	0.000	0.000	1.705
Replicate Prob(F)									0.5422	0.1428	0.0734	1.0000	1.0000	0.1942
Treatment F									794.130	184.511	37.181	0.000	0.000	20.079
Treatment Prob(F)									0.0001	0.0001	0.0001	1.0000	1.0000	0.0001

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

Trial Comments

1. Protocol: SIU/UIUC/WIU/ISA.
2. Ratings: Visual crop response estimates at 7, 14, and 28 DAT.
Visual estimates of control, by species, at 14 and 28 DAT; late-season rating of all plots at 56 DAT or at crop harvest.
3. MPOST = 3-5"W.
4. Take weed counts in nontreated at the "B" application timing (No./0.5 m2).
5. Yield if possible.
6. IPOSS = Morningglory species including IPOHE (ivyleaf morningglory) and IPOLA (pitted morningglory).
7. Weed counts per 0.5 square meter in the nontreated plots on 7-20-09 were;
Plot 122- 1 AMBTR, 21 ABUTH, 5 IPOSS, 3 SETFA, 3 CYPES
Plot 216- 20 ABUTH, 1 AMBTR, 7 IPOSS, 10 SETFA, 23 CYPES
Plot 303- 5 AMBTR, 14 ABUTH, 7 IPOSS, 7 SETFA
7. Ratings at 56 DA-A includes new growth after herbicide application.
8. Harvested 11-10-09, (2) 30 inch rows by 21 ft.