

Cooperative POST Soybean Glyphosate Tank-Mix Adjuvants - Site 3.

Trial ID: 08-Clinton-TMadj Location: Huey, IL

Pest Code										AMATA	AMATA	AMATA	AMATA	AMATA				
Crop Code										GLXMA	GLXMA	GLXMA	07-24-08	08-07-08	09-04-08	07-10-08	09-29-08	
Rating Date										07-17-08	07-24-08	08-07-08	Injury	Injury	Injury	Control	Control	Control
Rating Data Type										Injury	Injury	Injury	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit										Percent	Percent	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	0 DA-A	EOS	
Tri-Eval Interval										7 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A	56 DA-A	0 DA-A	EOS	
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		0 k	0 h	0 e	99 a	99 a	98 ab		0.2 b	
1	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
2	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		25 efg	7 d-g	0 e	98 a	98 ab	99 a		0.0 b	
2	COBRA	2 EC		0.094 lb ai/a		6 fl oz/a		MPOST A										
2	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
3	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		30 bcd	10 cde	5 cd	98 a	96 ab	99 a		0.2 b	
3	COBRA	2 EC		0.094 lb ai/a		6 fl oz/a		MPOST A										
3	PREFERENCE	100 SL		0.5 % v/v		0.5 % v/v		MPOST A										
3	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
4	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		28 cde	12 bcd	7 bc	98 a	98 ab	99 a		0.2 b	
4	COBRA	2 EC		0.094 lb ai/a		6 fl oz/a		MPOST A										
4	PRIME OIL COC	100 SL		1 % v/v		1 % v/v		MPOST A										
4	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
5	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		28 cde	7 d-g	3 cde	99 a	99 a	98 ab		0.0 b	
5	COBRA	2 EC		0.094 lb ai/a		6 fl oz/a		MPOST A										
5	SUPERB HC	100 SL		0.5 % v/v		0.5 % v/v		MPOST A										
5	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
6	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		27 def	9 def	3 cde	98 a	99 a	99 a		0.0 b	
6	COBRA	2 EC		0.094 lb ai/a		6 fl oz/a		MPOST A										
6	DESTINY HC	100 SL		0.5 % v/v		0.5 % v/v		MPOST A										
6	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
7	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		28 cde	12 bcd	7 bc	99 a	99 a	99 a		0.0 b	
7	COBRA	2 EC		0.188 lb ai/a		12 fl oz/a		MPOST A										
7	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
8	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		35 a	15 abc	10 ab	99 a	96 ab	99 a		0.0 b	
8	COBRA	2 EC		0.188 lb ai/a		12 fl oz/a		MPOST A										
8	PREFERENCE	100 SL		0.5 % v/v		0.5 % v/v		MPOST A										
8	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
9	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		35 a	20 a	12 a	99 a	97 ab	99 a		0.0 b	
9	COBRA	2 EC		0.188 lb ai/a		12 fl oz/a		MPOST A										
9	PRIME OIL COC	100 SL		1 % v/v		1 % v/v		MPOST A										
9	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
10	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		33 ab	17 ab	10 ab	99 a	99 a	99 a		0.0 b	
10	COBRA	2 EC		0.188 lb ai/a		12 fl oz/a		MPOST A										
10	SUPERB HC	100 SL		0.5 % v/v		0.5 % v/v		MPOST A										
10	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
11	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		32 abc	20 a	13 a	99 a	99 a	99 a		0.0 b	
11	COBRA	2 EC		0.188 lb ai/a		12 fl oz/a		MPOST A										
11	DESTINY HC	100 SL		0.5 % v/v		0.5 % v/v		MPOST A										
11	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
12	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		17 j	3 gh	0 e	99 a	99 a	99 a		0.0 b	
12	FLEXSTAR	1.88 EC		0.147 lb ai/a		10 fl oz/a		MPOST A										
12	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
13	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		23 fgh	4 fgh	2 de	98 a	99 a	99 a		0.0 b	
13	FLEXSTAR	1.88 EC		0.147 lb ai/a		10 fl oz/a		MPOST A										
13	PREFERENCE	100 SL		0.5 % v/v		0.5 % v/v		MPOST A										
13	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
14	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		20 hij	4 fgh	0 e	99 a	99 a	99 a		0.0 b	
14	FLEXSTAR	1.88 EC		0.147 lb ai/a		10 fl oz/a		MPOST A										
14	PRIME OIL COC	100 SL		1 % v/v		1 % v/v		MPOST A										
14	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										
15	ROUNDUP P-MAX	4.5 SL		0.77 lb ae/a		22 fl oz/a		MPOST A		20 hij	4 fgh	0 e	99 a	99 a	99 a		0.0 b	
15	FLEXSTAR	1.88 EC		0.147 lb ai/a		10 fl oz/a		MPOST A										
15	SUPERB HC	100 SL		0.5 % v/v		0.5 % v/v		MPOST A										
15	N-PAK AMS	100 SL		5 % v/v		5 % v/v		MPOST A										

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Rating Date		07-17-08	07-24-08	08-07-08	Control	Control	Control	Plants	Plants								
Rating Data Type		Injury	Injury	Injury	Percent	Percent	Percent	0.5 m2	0.5 m2								
Rating Unit		Percent	Percent	Percent	Percent	Percent	Percent	0.5 m2	0.5 m2								
Rating Timing																	
Trt-Eval Interval		7 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A	56 DA-A	0 DA-A	EOS								
Trt No.	Treatment Name	Form Conc	Form Type	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		20 hij	4 fgh	0 e	98 a	99 a	99 a			0.0 b
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		20 hij	4 fgh	2 de	99 a	99 a	99 a			0.0 b
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		25 efg	5 e-h	2 de	99 a	95 b	99 a			0.0 b
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		22 ghi	5 e-h	0 e	98 a	96 ab	97 b			0.0 b
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		18 ij	4 fgh	2 de	99 a	97 ab	99 a			0.0 b
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		22 ghi	4 fgh	2 de	98 a	99 a	99 a			0.0 b
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 k	0 h	0 e	0 b	0 c	0 c	28.3		12.0 a
LSD (P=.05)									4.9	5.4	4.4	1.7	3.6	1.8			0.50
Replicate F									6.343	0.027	2.632	1.456	2.722	0.694			1.132
Replicate Prob(F)									0.0039	0.9731	0.0838	0.2447	0.0773	0.5053			0.3321
Treatment F									28.851	9.827	7.798	1312.566	271.522	1069.586			216.545
Treatment Prob(F)									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)

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. DA-A = Days after MPOST application. 0.5 m2 = 0.5 square meter. EOS = End of season.
7. Above normal rainfall in spring 2008 delayed soybean planting until mid-June.
8. Not harvested.