

Cooperative POST Soybean Glyphosate Tank-Mix - Site 4 - Glyphosate-Resistant Waterhemp.

Trial ID: 08-Desoto-TM

Location: DeSoto, IL

Pest Code	Crop Code	Rating Date	Rating Data Type	Rating Unit	Rating Timing	Trt-Eval Interval	AMATA-HR								
							GLXMA 07-28-08 Injury Percent	GLXMA 08-04-08 Injury Percent	GLXMA 08-18-08 Injury Percent	08-04-08 Control Percent	08-18-08 Control Percent	09-30-08 Plants 0.5 m2			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Other Rate	Other Rate Unit	Growth Stage	Appl Code	7 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A	EOS
1	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	0	0	0	0	0	34.7 abc
1	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
2	ROUNDUP P-MAX	4.5	SL	1.55	lb ae/a	44	fl oz/a	LPOST	A	0	0	0	7	7	35.0 abc
2	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
3	ROUNDUP P-MAX	4.5	SL	3.1	lb ae/a	88	fl oz/a	LPOST	A	0	2	0	13	12	35.0 abc
3	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
4	ROUNDUP P-MAX	4.5	SL	6.2	lb ae/a	176	fl oz/a	LPOST	A	5	12	0	40	22	25.3 bcd
4	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
5	ROUNDUP P-MAX	4.5	SL	12.4	lb ae/a	352	fl oz/a	LPOST	A	10	20	7	45	57	17.7 cde
5	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
6	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	10	10	0	52	50	22.5 bcd
6	COBRA	2	EC	0.094	lb ai/a	6	fl oz/a	LPOST	A						
6	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
7	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	12	15	0	58	47	24.8 bcd
7	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	LPOST	A						
7	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
8	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	5	0	0	47	35	32.3 abc
8	FLEXSTAR	1.88	EC	0.147	lb ai/a	10	fl oz/a	LPOST	A						
8	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
9	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	5	10	3	60	52	28.0 bcd
9	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	LPOST	A						
9	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
10	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	0	0	0	28	22	28.7 bcd
10	RESOURCE	0.86	EC	0.027	lb ai/a	4	fl oz/a	LPOST	A						
10	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
11	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	0	0	0	37	12	24.7 bcd
11	RESOURCE	0.86	EC	0.054	lb ai/a	8	fl oz/a	LPOST	A						
11	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
12	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	0	0	0			52.0 a
12	CADET	0.91	EC	0.00284	lb ai/a	0.4	fl oz/a	LPOST	A						
12	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
13	AATREX NINE-O	90	WG	1	lb ai/a	1.11	lb/a	LPOST	A	63	70	85	7	0	38.0 ab
13	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	LPOST	A						
14	WEEDAR 64	3.8	SL	0.475	lb ae/a	1	pt/a	LPOST	A	33	40	52	53	58	16.8 cde
15	WEEDAR 64	3.8	SL	0.95	lb ae/a	2	pt/a	LPOST	A	47	80	83	67	70	8.8 de
16	CLARITY	4	SL	0.5	lb ae/a	16	fl oz/a	LPOST	A	77	95	96	62	67	20.7 bcd
17	GRAMOXONE INTEON	2	SL	0.75	lb ai/a	3	pt/a	LPOST	A	92	99	97	98	96	0.5 e
17	PRIME OIL COC	100	SL	1	% v/v	1	% v/v	LPOST	A						
18	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	10	17	5	65	52	21.7 bcd
18	COBRA	2	EC	0.188	lb ai/a	12	fl oz/a	LPOST	A						
18	DESTINY MSO	100	SL	1	% v/v	1	% v/v	LPOST	A						
18	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
19	ROUNDUP P-MAX	4.5	SL	0.77	lb ae/a	22	fl oz/a	LPOST	A	5	12	0	68	62	23.7 bcd
19	FLEXSTAR	1.88	EC	0.294	lb ai/a	20	fl oz/a	LPOST	A						
19	DESTINY MSO	100	SL	1	% v/v	1	% v/v	LPOST	A						
19	N-PAK AMS	100	SL	5	% v/v	5	% v/v	LPOST	A						
20	NONTREATED									0	0	0	0	0	50.0 a
LSD (P=.05)										4.6	8.2	6.1	10.5	11.5	20.10

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Pest Code	GLXMA			AMATA-HR						
Crop Code	07-28-08	08-04-08	08-18-08	08-04-08	08-18-08	09-30-08				
Rating Date	Injury	Injury	Injury	Control	Control	Plants				
Rating Data Type	Percent	Percent	Percent	Percent	Percent	0.5 m2				
Rating Unit										
Rating Timing										
Trt-Eval Interval	7 DA-A	14 DA-A	28 DA-A	14 DA-A	28 DA-A	EOS				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Other Rate	Other Rate	Growth Stage	Appl Code		
Replicate F		0.053		2.480		1.297		1.840	1.084	1.364
Replicate Prob(F)		0.9485		0.0979		0.2857		0.1734	0.3491	0.2678
Treatment F		303.799		140.211		312.046		54.936	49.240	3.012
Treatment Prob(F)		0.0001		0.0001		0.0001		0.0001	0.0001	0.0019

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. LPOST = 6-24"W.
4. Take weed counts in nontreated at the "A" application timing (No./0.5 m2).
5. Yield.
6. DA-A = Days after LPOST application. 0.5 m2 = 0.5 square meter. EOS = End of season.
AMATA-HR = Herbicide-resistant waterhemp (glyphosate).
7. Not harvested.