

Ohio State University Horticulture and Crop Science

Pre followed by Post weed control in Soybeans

Trial ID: 09NTS2 Protocol ID: 09NTS2
 Location: Western Branch Study Director: Bryan Reeb
 Project ID: 09NTS2 Investigator: Dr. Mark M. Loux
 Sponsor Contact: Eric Ott, Valent

Reps: 3

Plots: 6.67 by 30 feet

Spray vol: 20 gal/ac

Mix size: 0.33 gallons (min .27562)

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Other Rate	Other Rate	Other Rate	Growth Stage	Appl Code	Amt to Measure	Product	Plot No.	Rep. 1	2	3
1	UTC											101	213	304	
2	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx	102	203	313	
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
3	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	0.9392	g/mx	103	214	306	
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
4	Valor SX	51	WG	0.08	lb ai/a	2.5	oz/a	PRE	A	1.174	g/mx	104	206	309	
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
5	V-10233	76	WG	0.143	lb ai/a	3	oz/a	PRE	A	1.408	g/mx	105	204	311	
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
6	V-10233	76	WG	0.178	lb ai/a	3.75	oz/a	PRE	A	1.753	g/mx	106	201	314	
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
7	Valor XLT @ 3oz											107	211	312	
	Valor SX	51	WG	0.056	lb ai/a	1.76	oz/a	PRE	A	0.8218	g/mx				
	Classic	25	DF	0.0194	lb ai/a	1.24	oz/a	PRE		0.5808	g/mx				
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
8	Gangster @ 2.4oz											108	210	307	
	Firstrate	84	WG	0.021	lb ai/a	0.4	oz/a	PRE	A	0.1871	g/mx				
	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE		0.9392	g/mx				
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
9	Prefix	5.29	L	1.1	lb ai/a	1.67	pt/a	PRE	A	12.99	ml/mx	109	207	301	
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
10	Canopy EX @ 1.67oz											110	205	308	
	Classic	25	DF	0.0234	lb ai/a	1.5	oz/a	PRE	A	0.7005	g/mx				
	Express	75	DF	0.007	lb ai/a	0.15	oz/a	PRE		.06985	g/mx				
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
11	Envive	41.3	WG	0.0774	lb ai/a	3	oz/a	PRE	A	1.403	g/mx	111	209	302	
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
12	Authority First	70	WG	0.14	lb ai/a	3.2	oz/a	PRE	A	1.497	g/mx	112	208	305	
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
	Roundup Original Max N-PAK AMS	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx				
		100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx				
13	Pursuit Plus @2.5pts											113	202	303	
	Prowl H2O	3.8	CS	0.945	lb ai/a	31.8	oz/a	PRE	A	15.53	ml/mx				

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Other Rate	Other Unit	Growth Stage	Appl Code	Amt to Measure	Product	Plot No. Rep. 1	2	3
	Pursuit	2	EC	0.063	lb ai/a	4.03	oz/a	PRE		1.967	ml/mx			
	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx			
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx			
14	Canopy	75	DF	0.164	lb ai/a	3.5	oz/a	PRE	A	1.637	g/mx	114	212	310
	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	fl oz/a	POST	B	10.79	ml/mx			
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a	POST		46.84	ml/mx			

Sort Order: Replicate 1

Product quantities required for listed treatments and applications in one trial:

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
188.777	ml	Roundup Original Max	5.5	SL	
819.689	ml	N-PAK AMS	100	L	
4.843	g	Valor SX	51	WG	
3.951	g	V-10233	76	WG	
1.602	g	Classic	25	DF	
0.234	g	Firstrate	84	WG	
16.233	ml	Prefix	5.29	L	
0.087	g	Express	75	DF	
1.753	g	Envive	41.3	WG	
1.871	g	Authority First	70	WG	
19.414	ml	Prowl H2O	3.8	CS	
2.459	ml	Pursuit	2	EC	
2.046	g	Canopy	75	DF	

* 'Per area' calculations based on spray volume= 20 gal/ac, mix size= 0.33 gallons (mix size basis).

* Product amount calculations increased 25 % for overage adjustment.

* 'Per volume' calculations use spray volume= 20 gal/ac, mix size= 0.33 gallons.