

# Ohio State University Horticulture and Crop Science

Kixor Soybean preplant efficacy in No-Till

Trial ID: 09NTS3                      Protocol ID: 09NTS3  
 Location: Western Branch          Study Director: Bryan Reeb  
 Project ID: 09NTS3                  Investigator: Dr. Mark M. Loux  
    Sponsor Contact: CAREN JUDGE, BASF

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	Rate Unit	Other Rate	Other Rate Unit	Appl Code	Amt to Measure	Product	Plot No.		
											Rep. 1	2	3
1	UTC										101	202	305
2	Roundup Power Max NIS	4.5	SL	0.77	lb ae/a	22	fl oz/a	A	10.69	ml/mx	102	207	303
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
	Roundup Power Max NIS	4.5	SL	0.77	lb ae/a	22	fl oz/a	B	10.69	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
3	Roundup Power Max 2,4-D Ester	4.5	SL	0.77	lb ae/a	22	fl oz/a	A	10.69	ml/mx	103	201	309
	NIS	4	SC	0.5	lb ai/a	16	fl oz/a		7.807	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
	Roundup Power Max NIS	4.5	SL	0.77	lb ae/a	22	fl oz/a	B	10.69	ml/mx			
	NIS	100	L	0.25	% v/v	0.2	qt/a		3.123	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
4	Sharpen	2.85	SC	0.0223	lb ai/a	1	fl oz/a	A	0.4887	ml/mx	104	203	304
	Roundup Power Max MSO	4.5	SL	0.77	lb ae/a	22	fl oz/a		10.69	ml/mx			
	N-PAK AMS	100	L	1	% v/v	0.8	qt/a		12.49	ml/mx			
	Roundup Power Max NIS	4.5	SL	0.77	lb ae/a	22	fl oz/a	B	10.69	ml/mx			
	NIS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
	Roundup Power Max NIS	4.5	SL	0.77	lb ae/a	22	fl oz/a	B	10.69	ml/mx			
	NIS	100	L	0.25	% v/v	0.2	qt/a		3.123	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
5	OpTill	68	WG	0.085	lb ai/a	2	oz/a	A	0.9355	g/mx	105	210	301
	Roundup Power Max MSO	4.5	SL	0.77	lb ae/a	22	fl oz/a		10.69	ml/mx			
	N-PAK AMS	100	L	1	% v/v	0.8	qt/a		12.49	ml/mx			
	Roundup Power Max NIS	4.5	SL	0.77	lb ae/a	22	fl oz/a	B	10.69	ml/mx			
	NIS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
	N-PAK AMS	100	L	0.25	% v/v	0.2	qt/a		3.123	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
6	Sharpen	2.85	SC	0.0223	lb ai/a	1	fl oz/a	A	0.4887	ml/mx	106	209	310
	Scepter	70	DG	0.092	lb ai/a	2.1	oz/a		0.9836	g/mx			
	Roundup Power Max MSO	4.5	SL	0.77	lb ae/a	22	fl oz/a		10.69	ml/mx			
	N-PAK AMS	100	L	1	% v/v	0.8	qt/a		12.49	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
7	Sharpen	2.85	SC	0.0223	lb ai/a	1	fl oz/a	A	0.4887	ml/mx	107	204	302
	Prowl H2O	3.8	CS	1.25	lb ai/a	42	fl oz/a		20.54	ml/mx			
	Roundup Power Max MSO	4.5	SL	0.77	lb ae/a	22	fl oz/a		10.69	ml/mx			
	N-PAK AMS	100	L	1	% v/v	0.8	qt/a		12.49	ml/mx			
	Roundup Power Max NIS	4.5	SL	0.77	lb ae/a	22	fl oz/a	B	10.69	ml/mx			
	NIS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
	N-PAK AMS	100	L	0.25	% v/v	0.2	qt/a		3.123	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx			
8	Valor XLT @ 3oz										108	206	307
	Valor SX	51	WG	0.056	lb ai/a	1.76	oz/a	A	0.8218	g/mx			
	Classic	25	DF	0.0194	lb ai/a	1.24	oz/a		0.5808	g/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a		10.69	ml/mx			

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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	Unit	Other Rate	Other Unit	Appl Code	Amt to Measure	Product	Plot No. Rep. 1 2 3
	2,4-D Ester	4	SC	0.5	lb ai/a	16	oz/a		7.807	ml/mx	
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx	
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	fl oz/a	B	10.69	ml/mx	
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx	
9	Gramoxone Inteon	2	SL	0.75	lb ai/a	48	oz/a	A	23.42	ml/mx	109 205 308
	Sharpen	2.85	SC	0.0223	lb ai/a	1	fl oz/a		0.4887	ml/mx	
	NIS	100	SL	0.25	% v/v	0.2	qt/a		3.123	ml/mx	
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx	
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	fl oz/a	B	10.69	ml/mx	
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx	
10	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	A	10.69	ml/mx	110 208 306
	Classic	25	DF	0.0156	lb ai/a	1	oz/a		0.467	g/mx	
	Sharpen	2.85	SC	0.0223	lb ai/a	1	fl oz/a		0.4887	ml/mx	
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	ml/mx	
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	fl oz/a	B	10.69	ml/mx	
	N-PAK AMS	100	L	5	% v/v	4	qt/a		62.45	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
227.084	ml	Roundup Power Max	4.5	SL	
35.130	ml	NIS	100	SL	
1,405.182	ml	N-PAK AMS	100	L	
19.516	ml	2,4-D Ester	4	SC	
3.054	ml	Sharpen	2.85	SC	
62.453	ml	MSO	100	L	
1.169	g	OpTill	68	WG	
1.230	g	Scepter	70	DG	
25.679	ml	Prowl H2O	3.8	CS	
1.027	g	Valor SX	51	WG	
1.310	g	Classic	25	DF	
29.275	ml	Gramoxone Inteon	2	SL	

\* '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.