

# Ohio State University Horticulture and Crop Science

Early pre rates on Glyphosate resistant Giant Ragweed

Trial ID: 09PRPOSCLK      Protocol ID: 09PRPOSCLK  
 Location: Clarksburg      Study Director: Bryan Reeb  
 Project ID: 09PRPOSCLK      Investigator: Dr. Mark M. Loux  
    Sponsor Contact: Eric Ott

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
1	UTC										101	210	314	
2	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	oz/a	B	10.79	ml/mx	102	208	312	
	Cobra	2	EC	0.195	lb ai/a	12.5	oz/a		6.089	ml/mx				
	COC	100	SL	1	% v/v	0.8	qt/a		12.49	ml/mx				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a		46.84	ml/mx				
3	Valor SX	51	WG	0.08	lb ai/a	2.5	oz/a	A	1.174	g/mx	103	213	309	
	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	oz/a	B	10.79	ml/mx				
	Cobra	2	EC	0.195	lb ai/a	12.5	oz/a		6.089	ml/mx				
	COC	100	SL	1	% v/v	0.8	qt/a		12.49	ml/mx				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a		46.84	ml/mx				
4	Valor XLT @ 4oz							A			104	206	308	
	Valor SX	51	WG	0.075	lb ai/a	2.35	oz/a		1.101	g/mx				
	Classic	25	DF	0.0258	lb ai/a	1.65	oz/a		0.7724	g/mx				
	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	oz/a	B	10.79	ml/mx				
	Cobra	2	EC	0.195	lb ai/a	12.5	oz/a		6.089	ml/mx				
	COC	100	SL	1	% v/v	0.8	qt/a		12.49	ml/mx				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a		46.84	ml/mx				
5	Valor XLT @ 5oz							A			105	207	302	
	Valor SX	51	WG	0.093	lb ai/a	2.93	oz/a		1.365	g/mx				
	Classic	25	DF	0.0322	lb ai/a	2.06	oz/a		0.964	g/mx				
	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	oz/a	B	10.79	ml/mx				
	Cobra	2	EC	0.195	lb ai/a	12.5	oz/a		6.089	ml/mx				
	COC	100	SL	1	% v/v	0.8	qt/a		12.49	ml/mx				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a		46.84	ml/mx				
6	Gangster @ 3.6							A			106	203	301	
	Valor SX	51	WG	0.096	lb ai/a	3	oz/a		1.409	g/mx				
	Firstrate	84	WG	0.0315	lb ai/a	0.6	oz/a		0.2807	g/mx				
	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	oz/a	B	10.79	ml/mx				
	Cobra	2	EC	0.195	lb ai/a	12.5	oz/a		6.089	ml/mx				
	COC	100	SL	1	% v/v	0.8	qt/a		12.49	ml/mx				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a		46.84	ml/mx				
7	V-10233	76	WG	0.143	lb ai/a	3	oz/a	A	1.408	g/mx	107	201	304	
	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	oz/a	B	10.79	ml/mx				
	Cobra	2	EC	0.195	lb ai/a	12.5	oz/a		6.089	ml/mx				
	COC	100	SL	1	% v/v	0.8	qt/a		12.49	ml/mx				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a		46.84	ml/mx				
8	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	A	0.9392	g/mx	108	209	305	
	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	oz/a	B	10.79	ml/mx				
	Cobra	2	EC	0.195	lb ai/a	12.5	oz/a		6.089	ml/mx				
	COC	100	SL	1	% v/v	0.8	qt/a		12.49	ml/mx				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a		46.84	ml/mx				
9	Authority First	70	WG	0.153	lb ai/a	3.5	oz/a	A	1.636	g/mx	109	205	311	
	Roundup Original Max	5.5	SL	0.95	lb ae/a	22	oz/a	B	10.79	ml/mx				
	Cobra	2	EC	0.195	lb ai/a	12.5	oz/a		6.089	ml/mx				
	COC	100	SL	1	% v/v	0.8	qt/a		12.49	ml/mx				
	N-PAK AMS	100	L	3.75	% v/v	3	qt/a		46.84	ml/mx				

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Plots: 6.67 by 30 feet

Spray vol: 20 gal/ac

Mix size: 0.33 gallons (min .27562)

Trt No.	Treatment Name	Form	Form Conc	Form Type	Rate	Unit	Other Rate	Other Unit	Appl Code	Amt to Measure	Product	Plot No. Rep. 1	2	3
10	V-10233	76	WG		0.214	lb ai/a	4.5	oz/a	A	2.107	g/mx	110	204	306
	Roundup Original Max	5.5	SL		0.95	lb ae/a	22	oz/a	B	10.79	ml/mx			
	Cobra	2	EC		0.195	lb ai/a	12.5	oz/a		6.089	ml/mx			
	COC	100	SL		1	% v/v	0.8	qt/a		12.49	ml/mx			
	N-PAK AMS	100	L		3.75	% v/v	3	qt/a		46.84	ml/mx			
11	Envive @ 4oz								A			111	214	303
	Classic	25	DF		0.0228	lb ai/a	1.46	oz/a		0.6826	g/mx			
	Thifensulfuron	50	SG		0.00716	lb ai/a	0.229	oz/a		0.1072	g/mx			
	Valor SX	51	WG		0.0714	lb ai/a	2.24	oz/a		1.048	g/mx			
	Roundup Original Max	5.5	SL		0.95	lb ae/a	22	oz/a	B	10.79	ml/mx			
	Cobra	2	EC		0.195	lb ai/a	12.5	oz/a		6.089	ml/mx			
	COC	100	SL		1	% v/v	0.8	qt/a		12.49	ml/mx			
	N-PAK AMS	100	L		3.75	% v/v	3	qt/a		46.84	ml/mx			
12	Prefix	5.29	EW		1.1	lb ai/a	1.67	pt/a	A	12.99	ml/mx	112	202	313
	Roundup Original Max	5.5	SL		0.95	lb ae/a	22	oz/a	B	10.79	ml/mx			
	Cobra	2	EC		0.195	lb ai/a	12.5	oz/a		6.089	ml/mx			
	COC	100	SL		1	% v/v	0.8	qt/a		12.49	ml/mx			
	N-PAK AMS	100	L		3.75	% v/v	3	qt/a		46.84	ml/mx			
13	Valor SX	51	WG		0.08	lb ai/a	2.5	oz/a	A	1.174	g/mx	113	212	310
	Resource	0.86	EC		0.054	lb ai/a	8	oz/a	B	3.921	ml/mx			
	Roundup Original Max	5.5	SL		0.95	lb ae/a	22	oz/a		10.79	ml/mx			
	Cobra	2	EC		0.195	lb ai/a	12.5	oz/a		6.089	ml/mx			
	COC	100	SL		1	% v/v	0.8	qt/a		12.49	ml/mx			
	N-PAK AMS	100	L		3.75	% v/v	3	qt/a		46.84	ml/mx			
14	Kixor	2.85	SC		0.57	lb ai/a	1	% w/w	A	12.49	ml/mx	114	211	307
	Roundup Original Max	5.5	SL		0.95	lb ae/a	22	oz/a	B	10.79	ml/mx			
	Cobra	2	EC		0.195	lb ai/a	12.5	oz/a		6.089	ml/mx			
	COC	100	SL		1	% v/v	0.8	qt/a		12.49	ml/mx			
	N-PAK AMS	100	L		3.75	% v/v	3	qt/a		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
175.293	ml	Roundup Original Max	5.5	SL	
98.948	ml	Cobra	2	EC	
202.971	ml	COC	100	SL	
761.140	ml	N-PAK AMS	100	L	
10.261	g	Valor SX	51	WG	
3.024	g	Classic	25	DF	
0.351	g	Firstrate	84	WG	
4.395	g	V-10233	76	WG	
2.045	g	Authority First	70	WG	
0.134	g	Thifensulfuron	50	SG	
16.233	ml	Prefix	5.29	EW	
4.902	ml	Resource	.86	EC	
15.613	ml	Kixor	2.85	SC	

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

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Spray vol: 20 gal/ac      Mix size: 0.33 gallons (min .27562)

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

- \* Product amount calculations increased 25 % for overage adjustment.
- \* 'Per volume' calculations use spray volume= 20 gal/ac, mix size= 0.33 gallons.