

# Ohio State University Horticulture and Crop Science

Evaluation of Flexstar GT weed control in GT soybeans

Trial ID: 09SOYYLD1      Protocol ID: 09SOYYLD1  
 Location: Western Branch      Study Director: Bryan Reeb  
 Project ID: 09SOYYLD1      Investigator: Dr. Mark M. Loux  
 Sponsor Contact: Dain Bruns

Reps: 4

Plots: 10 by 40 feet

Spray vol: 20 gal/ac

Mix size: 3 liters (min 2.7808)

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	4
1	UTC											101	210	307	402
2	Optill	68	WG	0.085	lb ai/a	2	oz/a	PRE	A	2.247	g/mx	102	206	309	403
	Flexstar GT	3.31	SL	1.24	lb ae/a	3	pt/a	POST	C	56.19	ml/mx				
	N-PAK AMS	100	L	2.5	% v/v	2.5	% v/v	POST		74.99	ml/mx				
3	Boundary	6.5	EC	1.22	lb ai/a	1.5	pt/a	PRE	A	28.15	ml/mx	103	202	306	409
	Flexstar GT	3.31	SL	1.24	lb ae/a	3	pt/a	POST	C	56.19	ml/mx				
	N-PAK AMS	100	L	2.5	% v/v	2.5	% v/v	POST		74.99	ml/mx				
4	Flexstar GT	3.31	SL	0.93	lb ae/a	2.25	pt/a	EPO	B	42.14	ml/mx	104	201	304	406
	N-PAK AMS	100	L	2.5	% v/v	2.5	% v/v	EPO		74.99	ml/mx				
	Flexstar GT	3.31	SL	0.93	lb ae/a	2.25	pt/a	LPO	D	42.14	ml/mx				
	N-PAK AMS	100	L	2.5	% v/v	2.5	% v/v	LPO		74.99	ml/mx				
5	Flexstar GT	3.31	SL	1.24	lb ae/a	3	pt/a	POST	C	56.19	ml/mx	105	207	302	407
	N-PAK AMS	100	L	2.5	% v/v	2.5	% v/v	POST		74.99	ml/mx				
6	Roundup Power Max	4.5	SL	1	lb ae/a	28.4	oz/a	POST	C	33.33	ml/mx	106	205	301	405
	N-PAK AMS	100	L	2.5	% v/v	2.5	% v/v	POST		74.99	ml/mx				
	Cobra	2	EC	0.156	lb ai/a	10	oz/a	POST		11.7	ml/mx				
7	Roundup Power Max	4.5	SL	1	lb ae/a	28.4	oz/a	POST	C	33.33	ml/mx	107	209	303	404
	N-PAK AMS	100	L	2.5	% v/v	2.5	% v/v	POST		74.99	ml/mx				
	Resource	0.86	EC	0.0202	lb ai/a	3	oz/a	POST		3.523	ml/mx				
8	Roundup Power Max	4.5	SL	1	lb ae/a	28.4	oz/a	POST	C	33.33	ml/mx	108	204	308	410
	N-PAK AMS	100	L	2.5	% v/v	2.5	% v/v	POST		74.99	ml/mx				
9	Roundup Power Max	4.5	SL	1	lb ae/a	28.4	oz/a	POST	C	33.33	ml/mx	109	203	310	401
	N-PAK AMS	100	L	2.5	% v/v	2.5	% v/v	POST		74.99	ml/mx				
	Flexstar	1.88	EC	0.25	lb ae/a	17	oz/a	POST		19.94	ml/mx				
10	Canopy	75	DF	0.164	lb ai/a	3.5	oz/a		A	3.93	g/mx	110	208	305	408
	Flexstar GT	3.31	SL	1.24	lb ae/a	3	pt/a		C	56.19	ml/mx				
	N-PAK AMS	100	L	2.5	% v/v	2	qt/a			74.99	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
2.808	g	Optill	68	WG	
386.287	ml	Flexstar GT	3.31	SL	
937.398	ml	N-PAK AMS	100	L	
35.188	ml	Boundary	6.5	EC	
166.649	ml	Roundup Power Max	4.5	SL	
14.623	ml	Cobra	2	EC	
4.404	ml	Resource	.86	EC	
24.931	ml	Flexstar	1.88	EC	
4.913	g	Canopy	75	DF	

\* 'Per area' calculations based on spray volume= 20 gal/ac, mix size= 3 liters (mix size basis).

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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= 3 liters.