

Ohio State University Horticulture and Crop Science

evaluation of Flexstar GT in GT Soybeans

Trial ID: 09FLEXGTCLK Protocol ID: 09FLEXGTCLK
 Location: Clarksburg Study Director: Bryan Reeb
 Project ID: 09FLEXGTCLK Investigator: Dr. Mark M. Loux
 Sponsor Contact: DAIN BRUNS, SYNGENTA

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	Form Unit	Rate	Other Unit	Other Rate	Growth Stage	Appl Code	Amt to Measure	Plot No.		
												Rep. 1	2	3
1	Sharpen	2.85	SC	0.0223	lb ai/a			1 oz/a	PRE	A	0.4887 ml/mx	101	207	305
	Flexstar GT	3.31	SL	1.24	lb ae/a			3 pt/a		B	23.4 ml/mx			
	N-PAK AMS	100	L	3.75	% v/v			3 qt/a			46.84 ml/mx			
2	Canopy	75	DF	0.164	lb ai/a			3.5 oz/a	PRE	A	1.637 g/mx	102	206	302
	Flexstar GT	3.31	SL	1.24	lb ae/a			3 pt/a		B	23.4 ml/mx			
	MSO	100	L	1	% v/v			0.8 qt/a			12.49 ml/mx			
	N-PAK AMS	100	L	2.5	% v/v			2 qt/a			31.23 ml/mx			
	Cobra	2	EC	0.156	lb ai/a			10 oz/a	POS	C	4.871 ml/mx			
	COC	100	SL	1	% v/v			0.8 qt/a			12.49 ml/mx			
3	Envive @ 3.5oz											103	205	307
	Classic	25	DF	0.02	lb ai/a			1.28 oz/a	PRE	A	0.5987 g/mx			
	Thifensulfuron	50	SG	0.0065	lb ai/a			0.208 oz/a			.0973 g/mx			
	Valor SX	51	WG	0.0625	lb ai/a			1.96 oz/a			0.9172 g/mx			
	Flexstar GT	3.31	SL	1.24	lb ae/a			3 pt/a	POS	C	23.4 ml/mx			
	N-PAK AMS	100	L	5	% v/v			4 qt/a			62.45 ml/mx			
Destiny HC	100	L	0.5	% v/v			0.4 qt/a			6.245 ml/mx				
4	Envive @ 3.5oz											104	203	308
	Classic	25	DF	0.02	lb ai/a			1.28 oz/a	PRE	A	0.5987 g/mx			
	Thifensulfuron	50	SG	0.0065	lb ai/a			0.208 oz/a			.0973 g/mx			
	Valor SX	51	WG	0.0625	lb ai/a			1.96 oz/a			0.9172 g/mx			
	Flexstar GT	3.31	SL	0.93	lb ae/a			2.25 pt/a	EPO	B	17.55 ml/mx			
	N-PAK AMS	100	L	5	% v/v			4 qt/a			62.45 ml/mx			
	Destiny HC	100	L	0.5	% v/v			0.4 qt/a			6.245 ml/mx			
	Flexstar GT	3.31	SL	1.24	lb ae/a			3 pt/a	LPO	D	23.4 ml/mx			
	N-PAK AMS	100	L	5	% v/v			4 qt/a			62.45 ml/mx			
Destiny HC	100	L	0.5	% v/v			0.4 qt/a			6.245 ml/mx				
5	Envive @ 3.5oz											105	208	303
	Classic	25	DF	0.02	lb ai/a			1.28 oz/a	PRE	A	0.5987 g/mx			
	Thifensulfuron	50	SG	0.0065	lb ai/a			0.208 oz/a			.0973 g/mx			
	Valor SX	51	WG	0.0625	lb ai/a			1.96 oz/a			0.9172 g/mx			
	Flexstar GT	3.31	SL	1.24	lb ae/a			3 pt/a	POS	C	23.4 ml/mx			
	N-PAK AMS	100	L	5	% v/v			4 qt/a			62.45 ml/mx			
	Destiny HC	100	L	0.5	% v/v			0.4 qt/a			6.245 ml/mx			
	Cobra	2	EC	0.188	lb ai/a			12 fl oz/a	LPO	D	5.871 ml/mx			
	N-PAK AMS	100	L	5	% v/v			4 qt/a			62.45 ml/mx			
Destiny HC	100	L	0.5	% v/v			0.4 qt/a			6.245 ml/mx				
6	CHA-016	3	ME	0.75	lb ai/a			32 oz/a	PRE	A	15.61 ml/mx	106	202	304
	Flexstar	1.88	EC	0.305	lb ai/a			1.3 pt/a	POS	C	10.13 ml/mx			
	Select Max	1	EC	0.07	lb ai/a			9 oz/a			4.372 ml/mx			
	Destiny HC	100	L	0.5	% v/v			0.4 qt/a			6.245 ml/mx			
	N-PAK AMS	100	L	2.5	% v/v			2 qt/a			31.23 ml/mx			
7	CHA-019	4.5	ME	1.5	lb ai/a			42.7 oz/a	PRE	A	20.82 ml/mx	107	201	306
	Flexstar	1.88	EC	0.305	lb ai/a			1.3 pt/a	POS	C	10.13 ml/mx			
	Select Max	1	EC	0.07	lb ai/a			9 oz/a			4.372 ml/mx			
	Destiny HC	100	L	0.5	% v/v			0.4 qt/a			6.245 ml/mx			
	N-PAK AMS	100	L	2.5	% v/v			2 qt/a			31.23 ml/mx			
8	CHA-021	4	ME	2	lb ai/a			64 oz/a	PRE	A	31.23 ml/mx	108	204	301
	Flexstar	1.88	EC	0.305	lb ai/a			1.3 pt/a	POS	C	10.13 ml/mx			

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 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	Growth Stage	Appl Code	Amt to Measure	Product	Plot No. Rep. 1	2	3
	Select Max	1	EC	0.07	lb ai/a	9	oz/a			4.372	ml/mx			
	Destiny HC	100	L	0.5	% v/v	0.4	qt/a			6.245	ml/mx			
	N-PAK AMS	100	L	2.5	% v/v	2	qt/a			31.23	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
0.611	ml	Sharpen	2.85	SC	
168.160	ml	Flexstar GT	3.31	SL	
605.009	ml	N-PAK AMS	100	L	
2.046	g	Canopy	75	DF	
15.613	ml	MSO	100	L	
13.427	ml	Cobra	2	EC	
15.613	ml	COC	100	SL	
2.245	g	Classic	25	DF	
0.365	g	Thifensulfuron	50	SG	
3.439	g	Valor SX	51	WG	
62.453	ml	Destiny HC	100	L	
19.516	ml	CHA-016	3	ME	
37.995	ml	Flexstar	1.88	EC	
16.394	ml	Select Max	1	EC	
26.022	ml	CHA-019	4.5	ME	
39.033	ml	CHA-021	4	ME	

* '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.