

# Ohio State University Horticulture and Crop Science

Non GMO Soybean Trail  
Western Branch OARDC  
Control+Yield

Trial ID: 09\_NON\_GMO\_SOY      Protocol ID: 09\_NON\_GMO\_SOY  
Location: Western Branch      Study Director: Jonah T. Johnson  
Project ID: 09\_NON\_GMO\_SOY      Investigator: Dr. Mark M. Loux  
Sponsor Contact:

Reps: 4      Plots: 10 by 30 feet  
Spray vol: 20 gal/ac      Mix size: 3 liters (min 2.0856)

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	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	2.256 g/mx		101	209	310	412
	Flexstar	1.88	EC	0.305	lb ai/a	1.3	pt/a	POST	B	24.33 ml/mx					
	Select Max	1	EC	0.07	lb ai/a	9.0	oz/a	POST	B	10.5 ml/mx					
	COC	100	SL	1	% v/v	0.8	qt/a	POST	B	30.0 ml/mx					
	N-PAK AMS	100	L	5	% v/v	4	qt/a	POST	B	150.0 ml/mx					
2	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	2.256 g/mx		102	216	301	411
	Flexstar	1.88	EC	0.305	lb ai/a	1.3	pt/a	POST	B	24.33 ml/mx					
	Firstrate	84	WG	0.0158	lb ai/a	0.3	oz/a	POST	B	0.3381 g/mx					
	Select Max	1	EC	0.07	lb ai/a	9.0	oz/a	POST	B	10.5 ml/mx					
	COC	100	SL	1	% v/v	0.8	qt/a	POST	B	30.0 ml/mx					
3	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	2.256 g/mx		103	210	305	410
	Firstrate	84	WG	0.0158	lb ai/a	0.3	oz/a	POST	B	0.3381 g/mx					
	Select Max	1	EC	0.07	lb ai/a	9.0	oz/a	POST	B	10.5 ml/mx					
	COC	100	SL	1	% v/v	0.8	qt/a	POST	B	30.0 ml/mx					
	N-PAK AMS	100	L	5	% v/v	4	qt/a	POST	B	150.0 ml/mx					
4	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	2.256 g/mx		104	215	309	415
	Flexstar	1.88	EC	0.305	lb ai/a	1.3	pt/a	POST	B	24.33 ml/mx					
	Select Max	1	EC	0.07	lb ai/a	9.0	oz/a	POST	B	10.5 ml/mx					
	COC	100	SL	1	% v/v	0.8	qt/a	POST	B	30.0 ml/mx					
	N-PAK AMS	100	L	5	% v/v	4	qt/a	POST	B	150.0 ml/mx					
	Cobra	2	EC	0.156	lb ai/a	10	oz/a	LPO	C	11.7 ml/mx					
	COC	100	SL	1	% v/v	0.8	qt/a	LPO	C	30.0 ml/mx					
5	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	2.256 g/mx		105	204	312	404
	Firstrate	84	WG	0.0158	lb ai/a	0.3	oz/a	POST	B	0.3381 g/mx					
	Select Max	1	EC	0.07	lb ai/a	9.0	oz/a	POST	B	10.5 ml/mx					
	COC	100	SL	1	% v/v	0.8	qt/a	POST	B	30.0 ml/mx					
	N-PAK AMS	100	L	5	% v/v	4	qt/a	POST	B	150.0 ml/mx					
	Cobra	2	EC	0.156	lb ai/a	10	oz/a	LPO	C	11.7 ml/mx					
	COC	100	SL	1	% v/v	0.8	qt/a	LPO	C	30.0 ml/mx					
6	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	2.256 g/mx		106	211	315	405
	Cobra	2	EC	0.195	lb ai/a	12.5	oz/a	POST	B	14.62 ml/mx					
	Select Max	1	EC	0.07	lb ai/a	9.0	oz/a	POST	B	10.5 ml/mx					
	COC	100	SL	1	% v/v	0.8	qt/a	POST	B	30.0 ml/mx					
	N-PAK AMS	100	L	5	% v/v	4	qt/a	POST	B	150.0 ml/mx					
7	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	2.256 g/mx		107	208	316	408
	Flexstar	1.88	EC	0.235	lb ai/a	1.0	pt/a	POST	B	18.75 ml/mx					
	Classic	25	DF	0.0078	lb ai/a	0.5	oz/a	POST	B	0.5608 g/mx					
	Select Max	1	EC	0.07	lb ai/a	9.0	oz/a	POST	B	10.5 ml/mx					
	COC	100	SL	1	% v/v	0.8	qt/a	POST	B	30.0 ml/mx					
	N-PAK AMS	100	L	5	% v/v	4	qt/a	POST	B	150.0 ml/mx					
8	Valor SX	51	WG	0.064	lb ai/a	2	oz/a	PRE	A	2.256 g/mx		108	201	313	409
	Roundup Power Max	4.5	SL	0.75	lb ae/a	21.3	oz/a	POST	B	25.0 ml/mx					
	N-PAK AMS	100	L	5	% v/v	4	qt/a	POST	B	150.0 ml/mx					
9	Valor XLT 3.5 oz										109	202	303	407	

# Ohio State University Horticulture and Crop Science

Non GMO Soybean Trail  
Western Branch OARDC  
Control+Yield

Trial ID: 09\_NON\_GMO\_SOY      Protocol ID: 09\_NON\_GMO\_SOY  
Location: Western Branch      Study Director: Jonah T. Johnson  
Project ID: 09\_NON\_GMO\_SOY      Investigator: Dr. Mark M. Loux  
Sponsor Contact:

Reps: 4

Plots: 10 by 30 feet

Spray vol: 20 gal/ac

Mix size: 3 liters (min 2.0856)

Trt No.	Treatment Name	Form Conc	Form Rate	Form Unit	Rate	Other Rate	Other Unit	Growth Stage	Appl Code	Amt to Measure	Product	Plot No. Rep. 1	2	3	4
	Valor SX	51 WG	0.0653	lb ai/a	2.05	oz/a		PRE	A	2.301	g/mx				
	Classic	25 DF	0.0227	lb ai/a	1.45	oz/a		PRE	A	1.632	g/mx				
	Flexstar	1.88 EC	0.305	lb ai/a	1.3	pt/a		POST	B	24.33	ml/mx				
	Select Max	1 EC	0.07	lb ai/a	9.0	oz/a		POST	B	10.5	ml/mx				
	COC	100 SL	1	% v/v	0.8	qt/a		POST	B	30.0	ml/mx				
	N-PAK AMS	100 L	5	% v/v	4	qt/a		POST	B	150.0	ml/mx				
10	Valor XLT 3.5 oz											110	214	304	416
	Valor SX	51 WG	0.0653	lb ai/a	2.05	oz/a		PRE	A	2.301	g/mx				
	Classic	25 DF	0.0227	lb ai/a	1.45	oz/a		PRE	A	1.632	g/mx				
	Flexstar	1.88 EC	0.305	lb ai/a	1.3	pt/a		POST	B	24.33	ml/mx				
	Firstrate	84 WG	0.0158	lb ai/a	0.3	oz/a		POST	B	0.3381	g/mx				
	Select Max	1 EC	0.07	lb ai/a	9.0	oz/a		POST	B	10.5	ml/mx				
	COC	100 SL	1	% v/v	0.8	qt/a		POST	B	30.0	ml/mx				
	N-PAK AMS	100 L	5	% v/v	4	qt/a		POST	B	150.0	ml/mx				
11	Valor XLT 3.5 oz											111	212	302	413
	Valor SX	51 WG	0.0653	lb ai/a	2.05	oz/a		PRE	A	2.301	g/mx				
	Classic	25 DF	0.0227	lb ai/a	1.45	oz/a		PRE	A	1.632	g/mx				
	Firstrate	84 WG	0.0158	lb ai/a	0.3	oz/a		POST	B	0.3381	g/mx				
	Select Max	1 EC	0.07	lb ai/a	9.0	oz/a		POST	B	10.5	ml/mx				
	COC	100 SL	1	% v/v	0.8	qt/a		POST	B	30.0	ml/mx				
	N-PAK AMS	100 L	5	% v/v	4	qt/a		POST	B	150.0	ml/mx				
12	Valor XLT 3.5 oz											112	206	311	403
	Valor SX	51 WG	0.0653	lb ai/a	2.05	oz/a		PRE	A	2.301	g/mx				
	Classic	25 DF	0.0227	lb ai/a	1.45	oz/a		PRE	A	1.632	g/mx				
	Flexstar	1.88 EC	0.305	lb ai/a	1.3	pt/a		POST	B	24.33	ml/mx				
	Select Max	1 EC	0.07	lb ai/a	9.0	oz/a		POST	B	10.5	ml/mx				
	COC	100 SL	1	% v/v	0.8	qt/a		POST	B	30.0	ml/mx				
	N-PAK AMS	100 L	5	% v/v	4	qt/a		POST	B	150.0	ml/mx				
	Cobra	2 EC	0.156	lb ai/a	10	oz/a		LPO	C	11.7	ml/mx				
	COC	100 SL	1	% v/v	0.8	qt/a		LPO	C	30.0	ml/mx				
13	Valor XLT 3.5 oz											113	205	308	402
	Valor SX	51 WG	0.0653	lb ai/a	2.05	oz/a		PRE	A	2.301	g/mx				
	Classic	25 DF	0.0227	lb ai/a	1.45	oz/a		PRE	A	1.632	g/mx				
	Firstrate	84 WG	0.0158	lb ai/a	0.3	oz/a		POST	B	0.3381	g/mx				
	Select Max	1 EC	0.07	lb ai/a	9.0	oz/a		POST	B	10.5	ml/mx				
	COC	100 SL	1	% v/v	0.8	qt/a		POST	B	30.0	ml/mx				
	N-PAK AMS	100 L	5	% v/v	4	qt/a		POST	B	150.0	ml/mx				
	Cobra	2 EC	0.156	lb ai/a	10	oz/a		LPO	C	11.7	ml/mx				
	COC	100 SL	1	% v/v	0.8	qt/a		LPO	C	30.0	ml/mx				
14	Valor XLT 3.5 oz											114	207	306	414
	Valor SX	51 WG	0.0653	lb ai/a	2.05	oz/a		PRE	A	2.301	g/mx				
	Classic	25 DF	0.0227	lb ai/a	1.45	oz/a		PRE	A	1.632	g/mx				
	Cobra	2 EC	0.195	lb ai/a	12.5	oz/a		POST	B	14.62	ml/mx				
	Select Max	1 EC	0.07	lb ai/a	9.0	oz/a		POST	B	10.5	ml/mx				
	COC	100 SL	1	% v/v	0.8	qt/a		POST	B	30.0	ml/mx				
	N-PAK AMS	100 L	5	% v/v	4	qt/a		POST	B	150.0	ml/mx				
15	Valor XLT 3.5 oz											115	213	314	401
	Valor SX	51 WG	0.0653	lb ai/a	2.05	oz/a		PRE	A	2.301	g/mx				

# Ohio State University Horticulture and Crop Science

Non GMO Soybean Trail  
Western Branch OARDC  
Control+Yield

Trial ID: 09\_NON\_GMO\_SOY      Protocol ID: 09\_NON\_GMO\_SOY  
Location: Western Branch      Study Director: Jonah T. Johnson  
Project ID: 09\_NON\_GMO\_SOY      Investigator: Dr. Mark M. Loux  
Sponsor Contact:

Reps: 4

Plots: 10 by 30 feet

Spray vol: 20 gal/ac

Mix size: 3 liters (min 2.0856)

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
	Classic	25	DF	0.0227	lb ai/a	1.45	oz/a	PRE	A	1.632	g/mx				
	Flexstar	1.88	EC	0.235	lb ai/a	1.0	pt/a	POST	B	18.75	ml/mx				
	Classic	25	DF	0.0078	lb ai/a	0.5	oz/a	POST	B	0.5608	g/mx				
	Select Max	1	EC	0.07	lb ai/a	9.0	oz/a	POST	B	10.5	ml/mx				
	COC	100	SL	1	% v/v	0.8	qt/a	POST	B	30.0	ml/mx				
	N-PAK AMS	100	L	5	% v/v	4	qt/a	POST	B	150.0	ml/mx				
16	Valor XLT 3.5 oz											116	203	307	406
	Valor SX	51	WG	0.0653	lb ai/a	2.05	oz/a	PRE	A	2.301	g/mx				
	Classic	25	DF	0.0227	lb ai/a	1.45	oz/a	PRE	A	1.632	g/mx				
	Roundup Power Max	4.5	SL	0.75	lb ae/a	21.3	oz/a	POST	B	25.0	ml/mx				
	N-PAK AMS	100	L	5	% v/v	4	qt/a	POST	B	150.0	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
45.569	g	Valor SX	51	WG	
229.363	ml	Flexstar	1.88	EC	
183.730	ml	Select Max	1	EC	
674.927	ml	COC	100	SL	
2,999.673	ml	N-PAK AMS	100	L	
2.536	g	Firstrate	84	WG	
95.052	ml	Cobra	2	EC	
17.722	g	Classic	25	DF	
62.493	ml	Roundup Power Max	4.5	SL	

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

\* Product amount calculations increased 25 % for overage adjustment.

\* 'Per volume' calculations use spray volume= 20 gal/ac, mix size= 3 liters.