

Ohio State University Horticulture and Crop Science

BASF Soybean Demo
Portfolio in soybeans for weed control, plant health and innovations

Trial ID: 09SOYDEMO Protocol ID: 09SOYDEMO
Location: Western Branch Study Director: Bryan Reeb
Project ID: 09SOYDEMO Investigator: Dr. Mark M. Loux
Sponsor Contact: Caren Judge, BASF

Reps: 3 Plots: 10 by 30 feet
Spray vol: 20 gal/ac Mix size: 0.5 gallons (min .41322)

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
1	UTC											101	203	302
2	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	PRE	A	16.19	ml/mx	102	205	304
	2,4-D Ester	4	SC	0.5	lb ai/a	16	oz/a			11.83	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
3	OpTill	68	WG	0.085	lb ai/a	2	oz/a	PRE	A	1.417	g/mx	103	201	303
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a			16.19	ml/mx			
	MSO	100	L	1	% v/v	0.8	qt/a			18.93	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
4	Sharpen	2.85	SC	0.0223	lb ai/a	1	oz/a	PRE	A	0.7404	ml/mx	104	206	305
	Prowl H2O	3.8	CS	1.24	lb ai/a	2.6	pt/a			30.88	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a			16.19	ml/mx			
	MSO	100	L	1	% v/v	0.8	qt/a			18.93	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
5	Sharpen	2.85	SC	0.0223	lb ai/a	1	oz/a	PRE	A	0.7404	ml/mx	105	204	306
	Scepter	70	WG	0.092	lb ai/a	2.1	oz/a			1.49	g/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a			16.19	ml/mx			
	MSO	100	L	1	% v/v	0.8	qt/a			18.93	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
6	Sharpen	2.85	SC	0.0223	lb ai/a	1	oz/a	PRE	A	0.7404	ml/mx	106	202	301
	Exp Herbicide 1													
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
7	Sharpen	2.85	SC	0.0223	lb ai/a	1	oz/a	PRE	A	0.7404	ml/mx	107	210	311
	Scepter	70	WG	0.092	lb ai/a	2.1	oz/a			1.49	g/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a			16.19	ml/mx			
	MSO	100	L	1	% v/v	0.8	qt/a			18.93	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Headline	2.09	EC	0.098	lb ai/a	6	oz/a			4.437	ml/mx			
8	Sharpen	2.85	SC	0.0223	lb ai/a	1	oz/a	PRE	A	0.7404	ml/mx	108	211	309

Ohio State University Horticulture and Crop Science

BASF Soybean Demo
Portfolio in soybeans for weed control, plant health and innovations

Trial ID: 09SOYDEMO Protocol ID: 09SOYDEMO
Location: Western Branch Study Director: Bryan Reeb
Project ID: 09SOYDEMO Investigator: Dr. Mark M. Loux
Sponsor Contact: Caren Judge, BASF

Reps: 3		Plots: 10 by 30 feet		Mix size: 0.5 gallons (min .41322)										
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
	Scepter	70	WG	0.092	lb ai/a	2.1	oz/a			1.49	g/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a			16.19	ml/mx			
	MSO	100	L	1	% v/v	0.8	qt/a			18.93	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Headline	2.09	EC	0.098	lb ai/a	6	oz/a	R3	C	4.437	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
9	Sharpen	2.85	SC	0.0223	lb ai/a	1	oz/a	PRE	A	0.7404	ml/mx	109	207	308
	Scepter	70	WG	0.092	lb ai/a	2.1	oz/a			1.49	g/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a			16.19	ml/mx			
	MSO	100	L	1	% v/v	0.8	qt/a			18.93	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Headline	2.09	EC	0.098	lb ai/a	6	oz/a	R3	C	4.437	ml/mx			
	Respect	0.8	EC	0.025	lb ai/a	4	oz/a			2.957	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
10	Sharpen	2.85	SC	0.0223	lb ai/a	1	oz/a	PRE	A	0.7404	ml/mx	110	208	307
	Scepter	70	WG	0.092	lb ai/a	2.1	oz/a			1.49	g/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a			16.19	ml/mx			
	MSO	100	L	1	% v/v	0.8	qt/a			18.93	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Exp Fungicide 1							R3	C					
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
11	Sharpen	2.85	SC	0.0223	lb ai/a	1	oz/a	PRE	A	0.7404	ml/mx	111	209	310
	Scepter	70	WG	0.092	lb ai/a	2.1	oz/a			1.49	g/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a			16.19	ml/mx			
	MSO	100	L	1	% v/v	0.8	qt/a			18.93	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Roundup Power Max	4.5	SL	0.77	lb ae/a	22	oz/a	IN-CROP	B	16.19	ml/mx			
	NIS	100	SL	0.25	% v/v	0.2	qt/a			4.731	ml/mx			
	N-PAK AMS	100	L	5	% v/v	4	qt/a			94.63	ml/mx			
	Exp Fungicide 2													

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
384.546	ml	Roundup Power Max	4.5	SL	
14.785	ml	2,4-D Ester	4	SC	
82.797	ml	NIS	100	SL	
2,247.344	ml	N-PAK AMS	100	L	

Ohio State University Horticulture and Crop Science

BASF Soybean Demo

Portfolio in soybeans for weed control, plant health and innovations

Trial ID: 09SOYDEMO Protocol ID: 09SOYDEMO
 Location: Western Branch Study Director: Bryan Reeb
 Project ID: 09SOYDEMO Investigator: Dr. Mark M. Loux
 Sponsor Contact: Caren Judge, BASF

Reps: 3 Plots: 10 by 30 feet
 Spray vol: 20 gal/ac Mix size: 0.5 gallons (min .41322)

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

Amount*	Unit	Treatment Name	Form Conc	Form Type	Lot Code
1.772	g	OpTill	68	WG	
189.250	ml	MSO	100	L	
7.404	ml	Sharpen	2.85	SC	
38.597	ml	Prowl H2O	3.8	CS	
11.178	g	Scepter	70	WG	
16.639	ml	Headline	2.09	EC	
3.696	ml	Respect	.8	EC	

* 'Per area' calculations based on spray volume= 20 gal/ac, mix size= 0.5 gallons (mix size basis).
 * Product amount calculations increased 25 % for overage adjustment.
 * 'Per volume' calculations use spray volume= 20 gal/ac, mix size= 0.5 gallons.