

Ohio State University
Horticulture and Crop Science

FALL APPLIED SOYBEAN BURNDOWN PLUS RESIDUAL II

Trial ID: 09FALLSOY2 Study Dir.: Anthony F. Dobbels
Location: Investigator: Dr. Mark M. Loux

GENERAL TRIAL INFORMATION

Study Director: Anthony F. Dobbels
Investigator: Dr. Mark M. Loux

Conducted Under GLP (Y/N): N **Conducted Under GEP (Y/N):** N

CROP AND WEED DESCRIPTION

Weed Code	Common Name	Scientific Name
1. LAMPU Pu	rple deadnettel	Lamium purpureum
2. STEME Co	mmon chickweed	Stellaria media
3. SENGL Cr	essleaf groundsel	Senecio glabellus

SITE AND DESIGN

Plot Width, Unit: 6.67 FT **Plot Length, Unit:** 30 FT **Reps:** 3
Tillage Type: NO-TILL **Study Design:** RACOB

APPLICATION DESCRIPTION

	A	B
Application Date:	Nov-23-2008	
Time of Day:	11:00 A.M	
Application Method:	SPRAY	
Application Timing:	FALL	
Applic. Placement:	BROADCAST	
Air Temp., Unit:	33 F	
% Relative Humidity:	59	
Wind Velocity, Unit:	6 SSW	
Soil Temp., Unit:	33 F	
Soil Moisture:	ADEQUATE	
% Cloud Cover:	2	

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	LAMPU 1/2"	LAMPU
Stage Scale:	8 LVS	
Weed 2 Code, Stage:	STEME 4-6" DIA	STEME
Stage Scale:	>12 LVS	
Weed 3 Code, Stage:	SENGL 4" DIA	SENGL
Stage Scale:	>12 LVS	

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	
Operating Pressure:	53	
Nozzle Type:	DG	
Nozzle Size:	11002	
Nozzle Spacing, Unit:	18 IN	
Ground Speed, Unit:	3 MPH	
Carrier:	WATER	
Spray Volume, Unit:	20 GPA	
Propellant:	CO2	

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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	Product Unit	Product Rate	Product Unit	Grow Stg	Appl Code	Amt to Measure	Product Measure	Plot No. Rep.	1	2	3
1	UTC											101	209	301	
2	VALOR XLT 3 OZ											102	213	316	
	VALOR SX	51	WG	0.056	lb ai/a	1.76	oz/a	FALL	A	0.8218	g/mx				
	CLASSIC	25	DF	0.0194	lb ai/a	1.24	oz/a	FALL		0.5808	g/mx				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	oz/a	FALL		10.69	ml/mx				
	2,4-D	4	L	0.5	lb ai/a	1	pt/a	FALL		7.807	ml/mx				
	AMS	100	L	3.75	% v/v	3	qt/a	FALL		46.84	ml/mx				
3	AUTHORITY FIRST	70	DF	0.14	lb ai/a	3.2	oz/a	FALL	A	1.497	g/mx	103	216	312	
	RAGE D-TECH	4	L	0.375	lb ai/a	12	oz/a	FALL		5.855	ml/mx				
	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	oz/a	FALL		5.371	ml/mx				
	AMS	100	L	5	% v/v	4	qt/a	FALL		62.45	ml/mx				
4	AUTHORITY MTZ	45	DF	0.338	lb ai/a	12	oz/a	FALL	A	5.621	g/mx	104	205	308	
	RAGE D-TECH	4	L	0.375	lb ai/a	12	oz/a	FALL		5.855	ml/mx				
	ROUNDUP POWERMAX	4.5	SL	0.387	lb ae/a	11	oz/a	FALL		5.371	ml/mx				
	AMS	100	L	5	% v/v	4	qt/a	FALL		62.45	ml/mx				
5	KIXOR	2.85	SC	0.0223	lb ai/a	1	oz/a	FALL	A	0.4887	ml/mx	105	212	310	
	SCEPTER	70	DF	0.123	lb ai/a	2.8	oz/a	FALL		1.315	g/mx				
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	oz/a	FALL		10.69	ml/mx				
	COC	100	L	1	% v/v	0.8	qt/a	FALL		12.49	ml/mx				
	AMS	100	L	5	% v/v	4	qt/a	FALL		62.45	ml/mx				
6	BAS 804	68	DF	0.085	lb ai/a	2	oz/a	FALL	A	0.9355	g/mx	106	208	305	
	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	oz/a	FALL		10.69	ml/mx				
	COC	100	L	1	% v/v	0.8	qt/a	FALL		12.49	ml/mx				
	AMS	100	L	5	% v/v	4	qt/a	FALL		62.45	ml/mx				
7	CANOPY EX 2 OZ											107	204	313	
	CLASSIC	25	DF	0.0283	lb ai/a	1.81	oz/a	FALL	A	0.8472	g/mx				
	EXPRESS	75	WG	0.0084	lb ai/a	0.18	oz/a	FALL		.08382	g/mx				
	2,4-D	4	L	0.5	lb ai/a	16	oz/a	FALL		7.807	ml/mx				
	COC	100	L	1	% v/v	0.8	qt/a	FALL		12.49	ml/mx				
	AMS	100	L	5	% v/v	4	qt/a	FALL		62.45	ml/mx				
8	AUTUMN	10	WG	0.00188	lb ai/a	0.3	oz/a	FALL	A	0.1407	g/mx	108	211	314	
	2,4-D	4	L	0.5	lb ai/a	1	pt/a	FALL		7.807	ml/mx				
	SUPERB HC	100	L	0.5	% v/v	0.4	qt/a	FALL		6.245	ml/mx				
	AMS	100	L	2.5	% v/v	2	qt/a	FALL		31.23	ml/mx				
9	AUTUMN	10	WG	0.00188	lb ai/a	0.3	oz/a	FALL	A	0.1407	g/mx	109	202	307	
	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	oz/a	FALL		7.772	ml/mx				
	SUPERB HC	100	L	0.5	% v/v	0.4	qt/a	FALL		6.245	ml/mx				
	AMS	100	L	2.5	% v/v	2	qt/a	FALL		31.23	ml/mx				
10	BYH18636	10	WP	0.0134	lb ai/a	2.14	oz/a	FALL	A	1.003	g/mx	110	207	302	
	AUTUMN	10	WG	0.00188	lb ai/a	0.3	oz/a	FALL		0.1407	g/mx				
	2,4-D	4	L	0.5	lb ai/a	1	pt/a	FALL		7.807	ml/mx				
	SUPERB HC	100	L	0.5	% v/v	0.4	qt/a	FALL		6.245	ml/mx				
	AMS	100	L	2.5	% v/v	2	qt/a	FALL		31.23	ml/mx				
11	BYH18636	10	WP	0.0134	lb ai/a	2.14	oz/a	FALL	A	1.003	g/mx	111	206	315	
	AUTUMN	10	WG	0.00188	lb ai/a	0.3	oz/a	FALL		0.1407	g/mx				
	ROUNDUP POWERMAX	4.5	SL	0.56	lb ae/a	16	oz/a	FALL		7.772	ml/mx				
	SUPERB HC	100	L	0.5	% v/v	0.4	qt/a	FALL		6.245	ml/mx				
	AMS	100	L	2.5	% v/v	2	qt/a	FALL		31.23	ml/mx				
12	CORVUS	2.63	SC	0.113	lb ai/a	5.5	oz/a	FALL	A	2.683	ml/mx	112	214	304	

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Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Unit	Grow Stg	Appl Code	Amt to Measure	Product Measure	Plot No. Rep.	1	2	3
	2,4-D	4	L	0.5	lb ai/a	1	pt/a	FALL		7.807	ml/mx				
	SUPERB HC	100	L	0.5	% v/v	0.4	qt/a	FALL		6.245	ml/mx				
	AMS	100	L	2.5	% v/v	2	qt/a	FALL		31.23	ml/mx				
13	TOUCHDOWN TOTAL	4.17	SL	0.78	lb ae/a	24	oz/a	FALL	A	11.68	ml/mx	113		215	303
	2,4-D	4	L	0.5	lb ai/a	1	pt/a	FALL		7.807	ml/mx				
	AMS	100	L	5	% v/v	4	qt/a	FALL		62.45	ml/mx				
	PREFIX	5.23	L	1.96	lb ai/a	3	pt/a	14 EPP	B	23.4	ml/mx				
14	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	oz/a	FALL	A	10.69	ml/mx	114		210	309
	2,4-D	4	L	0.5	lb ai/a	1	pt/a	FALL		7.807	ml/mx				
	AMS	100	L	5	% v/v	4	qt/a	FALL		62.45	ml/mx				
	CANOPY EX 1.1 OZ														
	CLASSIC	25	DF	0.0156	lb ai/a	1	oz/a	14 EPP	B	0.467	g/mx				
	EXPRESS	75	WG	0.0047	lb ai/a	0.1	oz/a	14 EPP		.0469	g/mx				
	2,4-D	4	L	0.5	lb ai/a	16	oz/a	14 EPP		7.807	ml/mx				
	COC	100	L	1	% v/v	0.8	qt/a	14 EPP		12.49	ml/mx				
	AMS	100	L	5	% v/v	4	qt/a	14 EPP		62.45	ml/mx				
15	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	oz/a	FALL	A	10.69	ml/mx	115		203	306
	2,4-D	4	L	0.5	lb ai/a	1	pt/a	FALL		7.807	ml/mx				
	AMS	100	L	5	% v/v	4	qt/a	FALL		62.45	ml/mx				
	KIXOR	2.85	SC	0.0223	lb ai/a	1	oz/a	14 EPP	B	0.4887	ml/mx				
	SCEPTER	70	DF	0.123	lb ai/a	2.8	oz/a	14 EPP		1.315	g/mx				
16	ROUNDUP POWERMAX	4.5	SL	0.77	lb ae/a	22	oz/a	FALL	A	10.69	ml/mx	116		201	311
	2,4-D	4	L	0.5	lb ai/a	1	pt/a	FALL		7.807	ml/mx				
	AMS	100	L	3.75	% v/v	3	qt/a	FALL		46.84	ml/mx				

Sort Order: Replicate 1