

(04FALVAL)

Ohio State University  
Horticulture and Crop Science

FALL BURNDOWN WITH V-10142

Trial ID: 04FALVAL Study Dir.:  
Location: WESTERN ENTOMOLOGY W-4 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.	TAROF Common dandelion	Taraxacum officinale
2.	LAMPU Deadnettle, Red	Lamium purpureum
3.	STEME Common chickweed	Stellaria media

Crop 1: GLXMA SOYBEAN Variety: SEED CONSULTANTS SC9333  
Planting Date: 4-28-04 Planting Method: JOHN DEERE 7200  
SEED/A Depth: 0.5 IN  
Row Spacing: 30 IN Seed Bed: NO-TLL

**SITE AND DESIGN**

Plot Width, Unit: 10 FT Plot Length, Unit: 30 FT Reps: 3  
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

**MAINTENANCE**

Field Prep./Maintenance: Applied overlay of Prowl and Scepter 5-14-04  
Applied overlay of Rounup Weathermax 22 oz/a 6-4-04

**SOIL DESCRIPTION**

% OM: 2.9 Texture: silt loam  
pH: 6.1 Soil Name: Crosby  
CEC: 18

**APPLICATION DESCRIPTION**

A

Application Date: 11-3-03  
Time of Day: 11:30 A.M.  
Application Method: SPRAY  
Application Timing: FALL  
Applic. Placement: BROADCAST  
Air Temp., Unit: 76 F  
% Relative Humidity: 50  
Wind Velocity, Unit: 6 S  
Soil Temp., Unit: 59 F  
Soil Moisture: MOIST/WET  
% Cloud Cover: 15

**CROP STAGE AT EACH APPLICATION**

A

Crop 1 Code, Stage: GLXMA

**WEED STAGE AT EACH APPLICATION**

A

Weed 1 Code, Stage: TAROF 6-8" ROSE  
Stage Scale: 12 LVS  
Density, Unit: 13.6 M2  
Weed 2 Code, Stage: LAMPU 1/2-1"  
Stage Scale: 2 LVS  
Density, Unit: 2.3 M2  
Weed 3 Code, Stage: STEME 12"  
Stage Scale: >12 LVS  
Density, Unit: 14.6 M2

**APPLICATION EQUIPMENT**

A

Appl. Equipment: BACKPACK  
Operating Pressure: 50  
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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Weed Code	TAROF	STEME	LAMPU	TAROF	STEME	LAMPU	TAROF	STEME
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	11-12-03	11-12-03	11-12-03	11-25-03	11-25-03	11-25-03	4-29-04	4-29-04
Trt-Eval Interval	9 DA-A	9 DA-A	9 DA-A	22 DA-A	22 DA-A	22 DA-A	AT PLANT	AT PLANT
# Subsamples, Dec.	0	0	0	0	0	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6	7	8
1	V-10142	3.88 oz/a		FALL	A	35	20	18	40	20	20	13	77
1	VALOR	1.98 oz/a		FALL									
1	NIS	6.4 oz/a		FALL									
2	V-10142	7.76 oz/a		FALL	A	33	23	13	33	17	17	30	82
2	VALOR	1.98 oz/a		FALL									
2	NIS	6.4 oz/a		FALL									
3	V-10142	3.88 oz/a		FALL	A	13	7	3	10	10	7	23	43
3	NIS	6.4 oz/a		FALL									
4	V-10142	7.76 oz/a		FALL	A	10	3	5	13	7	7	37	53
4	NIS	6.4 oz/a		FALL									
5	CANOPY XL 3.5 OZ/A			FALL		37	20	27	37	20	20	93	100
5	F6025	1.34 oz/a		FALL	A								
5	QY998	2.18 oz/a		FALL									
5	EXPRESS	0.128 oz/a		FALL									
5	COC	0.8 qt/a		FALL									
6	V-10142	7.76 oz/a		FALL	A	40	30	17	40	23	20	20	83
6	VALOR	1.98 oz/a		FALL									
6	2,4-D	1 pt/a		FALL									
6	NIS	6.4 oz/a		FALL									
7	CANOPY XL 3.5 OZ/A			FALL		43	27	10	33	20	20	98	100
7	F6025	1.34 oz/a		FALL	A								
7	QY998	2.18 oz/a		FALL									
7	EXPRESS	0.128 oz/a		FALL									
7	2,4-D	1 pt/a		FALL									
7	COC	0.8 qt/a		FALL									
8	UTC					0	0	0	0	0	0	0	0
LSD (P=.05)						12.2	9.0	15.7	16.3	11.4	12.6	24.5	36.9
Standard Deviation						7.0	5.1	9.0	9.3	6.5	7.2	14.0	21.1
CV						26.41	31.49	77.05	35.96	44.58	52.34	35.59	31.35
Replicate F						2.390	1.909	0.632	0.338	0.099	0.724	0.184	0.957
Replicate Prob(F)						0.1279	0.1849	0.5462	0.7189	0.9067	0.5020	0.8339	0.4077
Treatment F						16.119	14.705	2.917	8.469	4.718	3.759	20.394	7.692
Treatment Prob(F)						0.0001	0.0001	0.0419	0.0004	0.0066	0.0168	0.0001	0.0007

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Weed Code	LAMPU	TAROF	STEME	LAMPU	TAROF	TAROF
Rating Data Type	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	4-29-04	5-21-04	5-21-04	5-21-04	6-3-04	6-28-04
Trt-Eval Interval	AT PLANT	22 DAPL	22 DAPL	22 DAPL	AT POST	28 DAPO
# Subsamples, Dec.	0	0	0	0	0	0

Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	9	10	11	12	13	14
1	V-10142	3.88	oz/a	FALL	A	100	53	100	100	22	92
1	VALOR	1.98	oz/a	FALL							
1	NIS	6.4	oz/a	FALL							
2	V-10142	7.76	oz/a	FALL	A	100	53	100	100	30	93
2	VALOR	1.98	oz/a	FALL							
2	NIS	6.4	oz/a	FALL							
3	V-10142	3.88	oz/a	FALL	A	100	45	73	100	23	92
3	NIS	6.4	oz/a	FALL							
4	V-10142	7.76	oz/a	FALL	A	100	50	67	100	25	95
4	NIS	6.4	oz/a	FALL							
5	CANOPY XL 3.5 OZ/A			FALL		100	94	100	100	93	100
5	F6025	1.34	oz/a	FALL	A						
5	QY998	2.18	oz/a	FALL							
5	EXPRESS	0.128	oz/a	FALL							
5	COC	0.8	qt/a	FALL							
6	V-10142	7.76	oz/a	FALL	A	100	52	73	100	35	93
6	VALOR	1.98	oz/a	FALL							
6	2,4-D	1	pt/a	FALL							
6	NIS	6.4	oz/a	FALL							
7	CANOPY XL 3.5 OZ/A			FALL		100	99	100	100	98	100
7	F6025	1.34	oz/a	FALL	A						
7	QY998	2.18	oz/a	FALL							
7	EXPRESS	0.128	oz/a	FALL							
7	2,4-D	1	pt/a	FALL							
7	COC	0.8	qt/a	FALL							
8	UTC					0	0	0	0	0	95
LSD (P=.05)						0.0	28.8	25.2	0.0	28.9	5.7
Standard Deviation						0.0	16.4	14.4	0.0	16.5	3.3
CV						0.0	29.42	18.75	0.0	40.36	3.42
Replicate F						0.000	0.281	0.262	0.000	0.763	0.887
Replicate Prob(F)						1.0000	0.7594	0.7730	1.0000	0.4846	0.4337
Treatment F						0.000	10.582	16.968	0.000	13.896	3.155
Treatment Prob(F)						1.0000	0.0001	0.0001	1.0000	0.0001	0.0320