

Ohio State University
Horticulture and Crop Science

BURNDOWN AND RESIDUAL CONTROL IN SOYBEAN WITH CE PRODUCTS

Trial ID: 08NTS1 Study Dir.: Anthony F. Dobbels
Location: WESTERN BRANCH F-9 W 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. STEME	Common chickweed	Stellaria media
2. LAMPU	Purple deadnettel	Lamium purpureum
3. SETFA	Giant foxtail	Setaria faberi
4. CHEAL	Common lambsquarters	Chenopodium album
5. AMBTR	Giant ragweed	Ambrosia trifida
6. AMBEL	Common ragweed	Ambrosia artemisiifolia

Crop 1: GLXMA SOYBEAN Variety: PIONEER 93M11
Planting Date: May/01/2008 Planting Method: KINZE 2000
Rate: 177642 SEED/A Depth: 0.5 IN
Row Spacing: 15 IN Seed Bed: NO-TILL

SITE AND DESIGN

Plot Width, Unit: 6.67 FT Plot Length, Unit: 30 FT Reps: 3
Tillage Type: NO-TILL Study Design: RANDOMIZED COMPLETE BLOCK

SOIL DESCRIPTION

% OM: 2.8 Texture: SILTY CLAY LOAM
pH: 5.7 Soil Name: KOKOMO
CEC: 20.7 Fert. Level: GOOD

APPLICATION DESCRIPTION

	A	B
Application Date:	Apr/16/2008	Jun/17/2008
Time of Day:	9:00 A.M.	9:00 A.M.
Application Method:	SPRAY	SPRAY
Application Timing:	14 EPP	POST
Applic. Placement:	BROADCAST	BROADCAST
Air Temp., Unit:	54 F	60 F
% Relative Humidity:	40	50
Wind Velocity, Unit:	10 S	8 WNW
Soil Temp., Unit:	44 F	60 F
Soil Moisture:	DRY/MOIST	DRY/MOIST
% Cloud Cover:	2	35

CROP STAGE AT EACH APPLICATION

	A	B
Crop 1 Code, Stage:	GLXMA	GLXMA 2
Stage Scale:		TRIFOLIAT
Height, Unit:	5	IN

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage:	STEME 2-3"	STEME
Stage Scale:	>12 LVS	
Density, Unit:	25 M2	
Weed 2 Code, Stage:	LAMPU 2-3"	LAMPU
Stage Scale:	>12 LVS	
Density, Unit:	12 M2	
Weed 3 Code, Stage:	SETFA	SETFA 6-8"
Stage Scale:		5 LVS
Density, Unit:		285 M2
Weed 4 Code, Stage:	CHEAL	CHEAL 4-6"
Stage Scale:		12 LVS
Density, Unit:		19 M2
Weed 5 Code, Stage:	AMBTR	AMBTR 12-16"
Stage Scale:		>12 LVS
Density, Unit:		4 M2
Weed 6 Code, Stage:	AMBEL	AMBEL 5-6"
Stage Scale:		8-10 LVS
Density, Unit:		8 M2

APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	BACKPACK	BACKPACK
Operating Pressure:	52	53
Nozzle Type:	DG	DG
Nozzle Size:	11002	11002
Nozzle Spacing, Unit:	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH
Carrier:	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA
Propellant:	CO2	CO2

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Trial ID: 08NTS1 Study Dir.: Anthony F. Dobbels
Location: WESTERN BRANCH F-9 W Investigator: Dr. Mark M. Loux

Weed Code				STEME	LAMPU	LAMAM	SETFA	STEME	LAMPU		
Crop Code				CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL		
Rating Data Type				PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT		
Rating Unit				Apr/29/2008	Apr/29/2008	Apr/29/2008	Apr/29/2008	May/13/2008	May/13/2008		
Rating Date				13 DA-A	13 DA-A	13 DA-A	13 DA-A	27 DA-A	27 DA-A		
Trt-Eval Interval				0	0	0	0	0	0		
# Subsamples, Dec.											
Trt No.	Treatment Name	Product Rate	Product Unit	Grow Stg	Appl Code	1	2	3	4	5	6
1	ENVIVE 2.5 OZ					95 a	100 a	100 a	98 a	100 a	100 a
1	CLASSIC	0.92	oz/a	14	EPP A						
1	HARMONY GT	0.148	oz/a	14	EPP						
1	VALOR SX	1.41	oz/a	14	EPP						
1	ROUNDUP POWERMAX	22	oz/a	14	EPP						
1	2,4-D	1	pt/a	14	EPP						
1	NIS	6.4	oz/a	14	EPP						
1	AMS	2.4	qt/a	14	EPP						
1	ROUNDUP POWERMAX	22	oz/a		POST B						
1	AMS	2.4	qt/a		POST						
2	ENVIVE 3.5 OZ					100 a	100 a	100 a	92 ab	100 a	100 a
2	CLASSIC	1.28	oz/a	14	EPP A						
2	HARMONY GT	0.208	oz/a	14	EPP						
2	VALOR SX	1.96	oz/a	14	EPP						
2	ROUNDUP POWERMAX	22	oz/a	14	EPP						
2	2,4-D	1	pt/a	14	EPP						
2	NIS	6.4	oz/a	14	EPP						
2	AMS	2.4	qt/a	14	EPP						
2	ROUNDUP POWERMAX	22	oz/a		POST B						
2	AMS	2.4	qt/a		POST						
3	ENVIVE 4.5 OZ					98 a	100 a	100 a	96 ab	100 a	100 a
3	CLASSIC	1.68	oz/a	14	EPP A						
3	HARMONY GT	0.266	oz/a	14	EPP						
3	VALOR SX	2.57	oz/a	14	EPP						
3	ROUNDUP POWERMAX	22	oz/a	14	EPP						
3	2,4-D	1	pt/a	14	EPP						
3	NIS	6.4	oz/a	14	EPP						
3	AMS	2.4	qt/a	14	EPP						
3	ROUNDUP POWERMAX	22	oz/a		POST B						
3	AMS	2.4	qt/a		POST						
4	CANOPY	2.25	oz/a	14	EPP A	93 a	90 a	87 ab	50 cd	100 a	100 a
4	ROUNDUP POWERMAX	22	oz/a	14	EPP						
4	2,4-D	1	pt/a	14	EPP						
4	NIS	6.4	oz/a	14	EPP						
4	AMS	2.4	qt/a	14	EPP						
4	ROUNDUP POWERMAX	22	oz/a		POST B						
4	AMS	2.4	qt/a		POST						
5	CANOPY	3	oz/a	14	EPP A	93 a	92 a	83 ab	63 abc	100 a	100 a
5	ROUNDUP POWERMAX	22	oz/a	14	EPP						
5	2,4-D	1	pt/a	14	EPP						
5	NIS	6.4	oz/a	14	EPP						
5	AMS	2.4	qt/a	14	EPP						
5	ROUNDUP POWERMAX	22	oz/a		POST B						
5	AMS	2.4	qt/a		POST						
6	CANOPY	4	oz/a	14	EPP A	93 a	90 a	70 bc	72 abc	100 a	95 a
6	ROUNDUP POWERMAX	22	oz/a	14	EPP						
6	2,4-D	1	pt/a	14	EPP						
6	NIS	6.4	oz/a	14	EPP						
6	AMS	2.4	qt/a	14	EPP						
6	ROUNDUP POWERMAX	22	oz/a		POST B						
6	AMS	2.4	qt/a		POST						

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Weed Code						STEME	LAMPU	LAMAM	SETFA	STEME	LAMPU
Crop Code						CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type						PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit						Apr/29/2008	Apr/29/2008	Apr/29/2008	Apr/29/2008	May/13/2008	May/13/2008
Rating Date						13 DA-A	13 DA-A	13 DA-A	13 DA-A	27 DA-A	27 DA-A
Trt-Eval Interval						0	0	0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	1	2	3	4	5	6
7	CANOPY EX 1.1 OZ					98 a	95 a		68 abc	100 a	98 a
7	CLASSIC	1 oz/a		14 EPP	A						
7	EXPRESS	0.1 oz/a		14 EPP							
7	2,4-D	1 pt/a		14 EPP							
7	COC	0.8 qt/a		14 EPP							
7	ROUNDUP POWERMAX	22 oz/a		POST	B						
7	AMS	2.4 qt/a		POST							
8	CANOPY EX 1.5 OZ					100 a	100 a	80 ab	53 bcd	100 a	100 a
8	CLASSIC	1.36 oz/a		14 EPP	A						
8	EXPRESS	0.136 oz/a		14 EPP							
8	2,4-D	1 pt/a		14 EPP							
8	COC	0.8 qt/a		14 EPP							
8	ROUNDUP POWERMAX	22 oz/a		POST	B						
8	AMS	2.4 qt/a		POST							
9	VALOR SX	1.96 oz/a		14 EPP	A	99 a	100 a		95 ab	100 a	100 a
9	ROUNDUP POWERMAX	22 oz/a		14 EPP							
9	2,4-D	1 pt/a		14 EPP							
9	NIS	6.4 oz/a		14 EPP							
9	AMS	2.4 qt/a		14 EPP							
9	ROUNDUP POWERMAX	22 oz/a		POST	B						
9	AMS	2.4 qt/a		POST							
10	ROUNDUP POWERMAX	22 oz/a		14 EPP	A	92 a	70 b	57 c	60 abc	100 a	83 b
10	2,4-D	1 pt/a		14 EPP							
10	NIS	6.4 oz/a		14 EPP							
10	AMS	2.4 qt/a		14 EPP							
10	ROUNDUP POWERMAX	22 oz/a		POST	B						
10	AMS	2.4 qt/a		POST							
11	AUTHORITY FIRST	3.2 oz/a		14 EPP	A	97 a	100 a	80 ab	93 ab	100 a	100 a
11	RAGE D-TECH	0.75 pt/a		14 EPP							
11	ROUNDUP POWERMAX	16.5 oz/a		14 EPP							
11	AMS	2.4 qt/a		14 EPP							
11	ROUNDUP POWERMAX	22 oz/a		POST	B						
11	AMS	2.4 qt/a		POST							
12	AUTHORITY MTZ	12 oz/a		14 EPP	A	95 a	100 a	0 d	93 ab	85 b	100 a
12	RAGE D-TECH	0.75 pt/a		14 EPP							
12	ROUNDUP POWERMAX	16.5 oz/a		14 EPP							
12	AMS	2.4 qt/a		14 EPP							
12	ROUNDUP POWERMAX	22 oz/a		POST	B						
12	AMS	2.4 qt/a		POST							
13	AUTHORITY ASSIST	5 oz/a		14 EPP		95 a	97 a	85 ab	82 abc	100 a	95 a
13	RAGE D-TECH	0.75 pt/a		14 EPP							
13	ROUNDUP POWERMAX	16.5 oz/a		14 EPP							
13	AMS	2.4 qt/a		14 EPP							
13	ROUNDUP POWERMAX	22 oz/a		POST	B						
13	AMS	2.4 qt/a		POST							
14	PREFIX	2 pt/a		14 EPP	A	95 a	100 a		93 ab	100 a	100 a
14	ROUNDUP POWERMAX	22 oz/a		14 EPP							
14	2,4-D	1 pt/a		14 EPP							
14	NIS	6.4 oz/a		14 EPP							
14	AMS	2.4 qt/a		14 EPP							
14	ROUNDUP POWERMAX	22 oz/a		POST	B						
14	AMS	2.4 qt/a		POST							
15	SCEPTER	2.8 oz/a		14 EPP	A	100 a	100 a		72 abc	100 a	100 a
15	ROUNDUP POWERMAX	22 oz/a		14 EPP							
15	2,4-D	1 pt/a		14 EPP							
15	NIS	6.4 oz/a		14 EPP							
15	AMS	2.4 qt/a		14 EPP							
15	ROUNDUP POWERMAX	22 oz/a		POST	B						
15	AMS	2.4 qt/a		POST							

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						STEME	LAMPU	LAMAM	SETFA	STEME	LAMPU
Weed Code	Crop Code					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type	Rating Unit					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date	Trt-Eval Interval					Apr/29/2008	Apr/29/2008	Apr/29/2008	Apr/29/2008	May/13/2008	May/13/2008
# Subsamples, Dec.						13 DA-A	13 DA-A	13 DA-A	13 DA-A	27 DA-A	27 DA-A
						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
16	BAS 800	1	oz/a	14	EPP A	90 a	93 a		27 d	100 a	97 a
16	ROUNDUP POWERMAX	22	oz/a	14	EPP						
16	2,4-D	1	pt/a	14	EPP						
16	NIS	6.4	oz/a	14	EPP						
16	AMS	2.4	qt/a	14	EPP						
16	ROUNDUP POWERMAX	22	oz/a	POST	B						
16	AMS	2.4	qt/a	POST							
17	VALOR XLT 3.5 OX					98 a	100 a		94 ab	100 a	100 a
17	VALOR SX	2.05	oz/a	14	EPP A						
17	CLASSIC	1.45	oz/a	14	EPP						
17	ROUNDUP POWERMAX	22	oz/a	14	EPP						
17	2,4-D	1	pt/a	14	EPP						
17	NIS	6.4	oz/a	14	EPP						
17	AMS	2.4	qt/a	14	EPP						
17	ROUNDUP POWERMAX	22	oz/a	POST	B						
17	AMS	2.4	qt/a	POST							
18	UTC					0 b	0 c	0 d	0 e	0 c	0 c
LSD (P=.05)						7.6	8.7	15.7	24.9	0.0	8.0
Standard Deviation						4.4	5.2	8.1	14.9	0.0	4.8
CV						4.85	5.79	11.57	20.63	0.0	5.15
Bartlett's X2						8.757	0.987	2.319	38.046	0.0	4.422
P(Bartlett's X2)						0.271	0.986	0.509	0.001*	.	0.352
Replicate F						1.710	3.056	0.652	2.575	0.000	0.569
Replicate Prob(F)						0.2123	0.0602	0.5498	0.0910	1.0000	0.5712
Treatment F						80.637	61.652	56.172	9.837	0.000	72.695
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	1.0000	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code		LAMAM	SETFA	GLXMA	SETFA	CHEAL	AMBTR				
Crop Code		CONTROL	CONTROL	PHYTO	CONTROL	CONTROL	CONTROL				
Rating Data Type		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	PERCENT				
Rating Unit		May/13/2008	May/13/2008	Jun/17/2008	Jun/17/2008	Jun/17/2008	Jun/17/2008				
Rating Date		27 DA-A	27 DA-A	AT POST	AT POST	AT POST	AT POST				
Trt-Eval Interval		0	0	0	0	0	0				
# Subsamples, Dec.											
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	7	8	9	10	11	12
17	VALOR XLT 3.5 OX					100 a	93 a	0 a	65 ab	100 a	60 ab
17	VALOR SX	2.05	oz/a	14 EPP	A						
17	CLASSIC	1.45	oz/a	14 EPP							
17	ROUNDUP POWERMAX	22	oz/a	14 EPP							
17	2,4-D	1	pt/a	14 EPP							
17	NIS	6.4	oz/a	14 EPP							
17	AMS	2.4	qt/a	14 EPP							
17	ROUNDUP POWERMAX	22	oz/a	POST	B						
17	AMS	2.4	qt/a	POST							
18	UTC					100 a	0 f	0 a	0 e	0 c	0 b
	LSD (P=.05)					4.5	17.7	0.0	17.2	12.7	48.1
	Standard Deviation					2.7	10.6	0.0	10.3	7.6	27.8
	CV					2.73	15.81	0.0	28.22	8.95	103.35
	Bartlett's X2					0.0	24.269	0.0	12.702	5.515	5.259
	P(Bartlett's X2)					.	0.043*	.	0.625	0.138	0.628
	Replicate F					1.000	0.252	0.000	2.100	0.864	0.584
	Replicate Prob(F)					0.3784	0.7787	1.0000	0.1380	0.4304	0.5689
	Treatment F					1.000	24.257	0.000	12.945	59.068	3.622
	Treatment Prob(F)					0.4813	0.0001	1.0000	0.0001	0.0001	0.0070

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.

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Weed Code		AMBEL					AMBEL	SETFA	CHEAL	AMBTR	AMBEL
Crop Code		CONTROL					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type		PERCENT					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit		Jun/17/2008					Jul/17/2008	Jul/17/2008	Jul/17/2008	Jul/17/2008	Jul/17/2008
Rating Date		AT POST					30 DA-B	30 DA-B	30 DA-B	30 DA-B	30 DA-B
Trt-Eval Interval		0					0	0	0	0	0
# Subsamples, Dec.											
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16	17	
1	ENVIVE 2.5 OZ					77 ab	53 a	100 a	100 a	100 a	
1	CLASSIC	0.92	oz/a	14	EPP A						
1	HARMONY GT	0.148	oz/a	14	EPP						
1	VALOR SX	1.41	oz/a	14	EPP						
1	ROUNDUP POWERMAX	22	oz/a	14	EPP						
1	2,4-D	1	pt/a	14	EPP						
1	NIS	6.4	oz/a	14	EPP						
1	AMS	2.4	qt/a	14	EPP						
1	ROUNDUP POWERMAX	22	oz/a		POST B						
1	AMS	2.4	qt/a		POST						
2	ENVIVE 3.5 OZ					82 ab	60 a	100 a	97 a	100 a	
2	CLASSIC	1.28	oz/a	14	EPP A						
2	HARMONY GT	0.208	oz/a	14	EPP						
2	VALOR SX	1.96	oz/a	14	EPP						
2	ROUNDUP POWERMAX	22	oz/a	14	EPP						
2	2,4-D	1	pt/a	14	EPP						
2	NIS	6.4	oz/a	14	EPP						
2	AMS	2.4	qt/a	14	EPP						
2	ROUNDUP POWERMAX	22	oz/a		POST B						
2	AMS	2.4	qt/a		POST						
3	ENVIVE 4.5 OZ					85 ab	77 a	100 a	86 a	100 a	
3	CLASSIC	1.68	oz/a	14	EPP A						
3	HARMONY GT	0.266	oz/a	14	EPP						
3	VALOR SX	2.57	oz/a	14	EPP						
3	ROUNDUP POWERMAX	22	oz/a	14	EPP						
3	2,4-D	1	pt/a	14	EPP						
3	NIS	6.4	oz/a	14	EPP						
3	AMS	2.4	qt/a	14	EPP						
3	ROUNDUP POWERMAX	22	oz/a		POST B						
3	AMS	2.4	qt/a		POST						
4	CANOPY	2.25	oz/a	14	EPP A	70 ab	80 a	100 a	88 a	100 a	
4	ROUNDUP POWERMAX	22	oz/a	14	EPP						
4	2,4-D	1	pt/a	14	EPP						
4	NIS	6.4	oz/a	14	EPP						
4	AMS	2.4	qt/a	14	EPP						
4	ROUNDUP POWERMAX	22	oz/a		POST B						
4	AMS	2.4	qt/a		POST						
5	CANOPY	3	oz/a	14	EPP A	93 a	80 a	100 a	100 a	100 a	
5	ROUNDUP POWERMAX	22	oz/a	14	EPP						
5	2,4-D	1	pt/a	14	EPP						
5	NIS	6.4	oz/a	14	EPP						
5	AMS	2.4	qt/a	14	EPP						
5	ROUNDUP POWERMAX	22	oz/a		POST B						
5	AMS	2.4	qt/a		POST						
6	CANOPY	4	oz/a	14	EPP A	73 ab	80 a	100 a	97 a	100 a	
6	ROUNDUP POWERMAX	22	oz/a	14	EPP						
6	2,4-D	1	pt/a	14	EPP						
6	NIS	6.4	oz/a	14	EPP						
6	AMS	2.4	qt/a	14	EPP						
6	ROUNDUP POWERMAX	22	oz/a		POST B						
6	AMS	2.4	qt/a		POST						
7	CANOPY EX 1.1 OZ					23 cd	77 a	100 a	100 a	100 a	
7	CLASSIC	1	oz/a	14	EPP A						
7	EXPRESS	0.1	oz/a	14	EPP						
7	2,4-D	1	pt/a	14	EPP						
7	COC	0.8	qt/a	14	EPP						
7	ROUNDUP POWERMAX	22	oz/a		POST B						
7	AMS	2.4	qt/a		POST						

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Weed Code		AMBEL					SETFA	CHEAL	AMBTR	AMBEL
Crop Code		CONTROL					CONTROL	CONTROL	CONTROL	CONTROL
Rating Data Type		PERCENT					PERCENT	PERCENT	PERCENT	PERCENT
Rating Unit		Jun/17/2008					Jul/17/2008	Jul/17/2008	Jul/17/2008	Jul/17/2008
Rating Date		AT POST					30 DA-B	30 DA-B	30 DA-B	30 DA-B
Trt-Eval Interval		0					0	0	0	0
# Subsamples, Dec.										
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16	17
8	CANOPY EX 1.5 OZ					50 abc	65 a	100 a	100 a	100 a
8	CLASSIC	1.36	oz/a	14	EPP A					
8	EXPRESS	0.136	oz/a	14	EPP					
8	2,4-D	1	pt/a	14	EPP					
8	COC	0.8	qt/a	14	EPP					
8	ROUNDUP POWERMAX	22	oz/a	POST	B					
8	AMS	2.4	qt/a	POST						
9	VALOR SX	1.96	oz/a	14	EPP A	17 cd	79 a	100 a	68 b	100 a
9	ROUNDUP POWERMAX	22	oz/a	14	EPP					
9	2,4-D	1	pt/a	14	EPP					
9	NIS	6.4	oz/a	14	EPP					
9	AMS	2.4	qt/a	14	EPP					
9	ROUNDUP POWERMAX	22	oz/a	POST	B					
9	AMS	2.4	qt/a	POST						
10	ROUNDUP POWERMAX	22	oz/a	14	EPP A	10 cd	84 a	98 a	93 a	100 a
10	2,4-D	1	pt/a	14	EPP					
10	NIS	6.4	oz/a	14	EPP					
10	AMS	2.4	qt/a	14	EPP					
10	ROUNDUP POWERMAX	22	oz/a	POST	B					
10	AMS	2.4	qt/a	POST						
11	AUTHORITY FIRST	3.2	oz/a	14	EPP A	55 abc	70 a	100 a	100 a	100 a
11	RAGE D-TECH	0.75	pt/a	14	EPP					
11	ROUNDUP POWERMAX	16.5	oz/a	14	EPP					
11	AMS	2.4	qt/a	14	EPP					
11	ROUNDUP POWERMAX	22	oz/a	POST	B					
11	AMS	2.4	qt/a	POST						
12	AUTHORITY MTZ	12	oz/a	14	EPP A	0 d	75 a	100 a	100 a	93 a
12	RAGE D-TECH	0.75	pt/a	14	EPP					
12	ROUNDUP POWERMAX	16.5	oz/a	14	EPP					
12	AMS	2.4	qt/a	14	EPP					
12	ROUNDUP POWERMAX	22	oz/a	POST	B					
12	AMS	2.4	qt/a	POST						
13	AUTHORITY ASSIST	5	oz/a	14	EPP	10 cd	76 a	100 a	92 a	100 a
13	RAGE D-TECH	0.75	pt/a	14	EPP					
13	ROUNDUP POWERMAX	16.5	oz/a	14	EPP					
13	AMS	2.4	qt/a	14	EPP					
13	ROUNDUP POWERMAX	22	oz/a	POST	B					
13	AMS	2.4	qt/a	POST						
14	PREFIX	2	pt/a	14	EPP A	10 cd	70 a	100 a	100 a	100 a
14	ROUNDUP POWERMAX	22	oz/a	14	EPP					
14	2,4-D	1	pt/a	14	EPP					
14	NIS	6.4	oz/a	14	EPP					
14	AMS	2.4	qt/a	14	EPP					
14	ROUNDUP POWERMAX	22	oz/a	POST	B					
14	AMS	2.4	qt/a	POST						
15	SCEPTER	2.8	oz/a	14	EPP A	57 abc	63 a	100 a	100 a	99 a
15	ROUNDUP POWERMAX	22	oz/a	14	EPP					
15	2,4-D	1	pt/a	14	EPP					
15	NIS	6.4	oz/a	14	EPP					
15	AMS	2.4	qt/a	14	EPP					
15	ROUNDUP POWERMAX	22	oz/a	POST	B					
15	AMS	2.4	qt/a	POST						
16	BAS 800	1	oz/a	14	EPP A	37 bcd	72 a	100 a	100 a	100 a
16	ROUNDUP POWERMAX	22	oz/a	14	EPP					
16	2,4-D	1	pt/a	14	EPP					
16	NIS	6.4	oz/a	14	EPP					
16	AMS	2.4	qt/a	14	EPP					
16	ROUNDUP POWERMAX	22	oz/a	POST	B					
16	AMS	2.4	qt/a	POST						

Ohio State University
Horticulture and Crop Science

Weed Code					AMBEL	SETFA	CHEAL	AMBTR	AMBEL	
Crop Code					CONTROL	CONTROL	CONTROL	CONTROL	CONTROL	
Rating Data Type					PERCENT	PERCENT	PERCENT	PERCENT	PERCENT	
Rating Unit					Jun/17/2008	Jul/17/2008	Jul/17/2008	Jul/17/2008	Jul/17/2008	
Rating Date					AT POST	30 DA-B	30 DA-B	30 DA-B	30 DA-B	
Trt-Eval Interval					0	0	0	0	0	
# Subsamples, Dec.										
Trt No.	Treatment Name	Product Rate	Product Rate Unit	Grow Stg	Appl Code	13	14	15	16	17
17	VALOR XLT 3.5 OX					80 ab	69 a	100 a	100 a	100 a
17	VALOR SX	2.05	oz/a	14 EPP	A					
17	CLASSIC	1.45	oz/a	14 EPP						
17	ROUNDUP POWERMAX	22	oz/a	14 EPP						
17	2,4-D	1	pt/a	14 EPP						
17	NIS	6.4	oz/a	14 EPP						
17	AMS	2.4	qt/a	14 EPP						
17	ROUNDUP POWERMAX	22	oz/a	POST	B					
17	AMS	2.4	qt/a	POST						
18	UTC					0 d	0 b	0 b	0 c	0 b
LSD (P=.05)						30.3	25.7	1.1	13.0	4.6
Standard Deviation						18.2	15.4	0.7	7.7	2.8
CV						39.47	22.57	0.72	8.6	2.94
Bartlett's X2						6.347	9.455	0.0	7.657	4.838
P(Bartlett's X2)						0.973	0.853	.	0.264	0.028*
Replicate F						1.163	1.682	1.000	0.422	0.846
Replicate Prob(F)						0.3245	0.2011	0.3784	0.6603	0.4380
Treatment F						9.761	4.471	3593.942	28.536	217.173
Treatment Prob(F)						0.0001	0.0001	0.0001	0.0001	0.0001

Means followed by same letter do not significantly differ (P=.05, Student-Newman-Keuls)
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.