



# Ohio State University Horticulture and Crop Science

## WEED STAGE AT EACH APPLICATION

	A	B
<b>Weed 1 Code, Stage:</b>	SETFA .	SETFA 3-12"
<b>Stage Scale:</b>	. .	6 LVS
<b>Density, Unit:</b>	. . .	98 M2
<b>Weed 2 Code, Stage:</b>	AMBTR .	AMBTR 2-20"
<b>Stage Scale:</b>	. .	>12 LVS
<b>Density, Unit:</b>	. . .	25 M2
<b>Weed 3 Code, Stage:</b>	CHEAL .	CHEAL 1-4"
<b>Stage Scale:</b>	. .	>12 LVS
<b>Density, Unit:</b>	. . .	16 M2

## APPLICATION EQUIPMENT

	A	B
<b>Appl. Equipment:</b>	BACKPACK	BACKPACK
<b>Operating Pressure:</b>	36	50
<b>Nozzle Type:</b>	XR	DG
<b>Nozzle Size:</b>	8002	11002
<b>Nozzle Spacing, Unit:</b>	18 IN	18 IN
<b>Ground Speed, Unit:</b>	3 MPH	3 MPH
<b>Carrier:</b>	WATER	WATER
<b>Spray Volume, Unit:</b>	15 GPA	20 GPA
<b>Propellant:</b>	CO2	CO2

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## PRE GIANT RAGWEED CONTROL IN SOYBEAN

Trial ID: 07PREGIRW  
Location: WESTERN BRANCH E-2

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

Weed Code		AMBTR		AMBTR		AMBTR
Crop Code		GLXMA		GLXMA		GLXMA
Rating Data Type		PHYTO	CONTROL	PHYTO	CONTROL	PHYTO
Rating Unit		PERCENT	PERCENT	PERCENT	PERCENT	PERCENT
Rating Date		Jun/07/2007	Jun/07/2007	Jun/14/2007	Jun/14/2007	Jun/25/2007
Trt-Eval Interval		30 DA-A	30 DA-A	AT POST	AT POST	12 DA-B
# Subsamples, Dec.		0	0	0	0	0

Trt No.	Treatment Name	Rate	Product	Product Unit	Appl Code	1	2	3	4	5	6
1	COMMAND	1.13 lb ai/a	3 pt/a	A		0 a	30 bcd	0 a	30 c	0 a	68 ab
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
1	AMS	2.5 % v/v	2 qt/a								
2	COMMAND	0.56 lb ai/a	1.5 pt/a	A		0 a	30 bcd	0 a	37 bc	0 a	67 ab
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
2	AMS	2.5 % v/v	2 qt/a								
3	FIRSTRATE	0.0394 lb ai/a	0.75 oz/a	A		1 a	77 a	0 a	70 a	0 a	88 a
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
3	AMS	2.5 % v/v	2 qt/a								
4	FIRSTRATE	0.0184 lb ai/a	0.35 oz/a	A		1 a	67 ab	0 a	60 abc	0 a	82 ab
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
4	AMS	2.5 % v/v	2 qt/a								
5	CANOPY	0.328 lb ai/a	7 oz/a	A		1 a	55 a-d	0 a	58 abc	0 a	80 ab
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
5	AMS	2.5 % v/v	2 qt/a								
6	CANOPY	0.164 lb ai/a	3.5 oz/a	A		0 a	60 abc	0 a	62 abc	0 a	83 ab
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
6	AMS	2.5 % v/v	2 qt/a								
7	SCEPTER	0.123 lb ai/a	2.8 oz/a	A		1 a	63 ab	0 a	65 ab	0 a	68 ab
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
7	AMS	2.5 % v/v	2 qt/a								
8	SENCOR DF	0.75 lb ai/a	16 oz/a	A		0 a	17 d	0 a	33 bc	0 a	62 b
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
8	AMS	2.5 % v/v	2 qt/a								
9	PREFIX	1.31 lb ai/a	2 pt/a	A		0 a	20 cd	0 a	37 bc	0 a	63 ab
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
9	AMS	2.5 % v/v	2 qt/a								
10	PYTHON	0.0665 lb ai/a	1.33 oz/a	A		0 a	58 abc	0 a	60 abc	0 a	83 ab
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a	B							
10	AMS	2.5 % v/v	2 qt/a								
LSD (P=.05)						2.0	27.3	0.0	19.7	0.0	15.4
Standard Deviation						1.1	15.9	0.0	11.5	0.0	9.0
CV						285.04	33.36	0.0	22.43	0.0	12.03
Bartlett's X2						0.0	7.902	0.0	7.249	0.0	4.927
P(Bartlett's X2)						.	0.544	.	0.611	.	0.841
Replicate F						0.231	3.127	0.000	4.029	0.000	14.979
Replicate Prob(F)						0.7962	0.0683	1.0000	0.0358	1.0000	0.0001
Treatment F						0.615	5.428	0.000	5.187	0.000	3.554
Treatment Prob(F)						0.7689	0.0011	1.0000	0.0015	1.0000	0.0106

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.

# Ohio State University

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Weed Code		AMBTR	AMBTR
Crop Code	GLXMA		
Rating Data Type	PHYTO	CONTROL	CONTROL
Rating Unit	PERCENT	PERCENT	PERCENT
Rating Date	Jul/05/2007	Jul/05/2007	Aug/10/2007
Trt-Eval Interval	22 DA-B	22 DA-B	58 DA-B
# Subsamples, Dec.	0	0	0

Trt No.	Treatment Name	Rate	Product	Product Rate	Product Unit	Appl Code	7	8	9
1	COMMAND	1.13 lb ai/a	3 pt/a			A	8 a	73 ab	93 a
1	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
1	AMS	2.5 % v/v	2 qt/a						
2	COMMAND	0.56 lb ai/a	1.5 pt/a			A	7 ab	67 b	88 a
2	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
2	AMS	2.5 % v/v	2 qt/a						
3	FIRSTRATE	0.0394 lb ai/a	0.75 oz/a			A	2 bc	97 a	97 a
3	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
3	AMS	2.5 % v/v	2 qt/a						
4	FIRSTRATE	0.0184 lb ai/a	0.35 oz/a			A	2 bc	92 ab	99 a
4	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
4	AMS	2.5 % v/v	2 qt/a						
5	CANOPY	0.328 lb ai/a	7 oz/a			A	2 bc	82 ab	93 a
5	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
5	AMS	2.5 % v/v	2 qt/a						
6	CANOPY	0.164 lb ai/a	3.5 oz/a			A	2 bc	90 ab	94 a
6	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
6	AMS	2.5 % v/v	2 qt/a						
7	SCEPTER	0.123 lb ai/a	2.8 oz/a			A	0 c	82 ab	99 a
7	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
7	AMS	2.5 % v/v	2 qt/a						
8	SENCOR DF	0.75 lb ai/a	16 oz/a			A	7 ab	70 ab	86 a
8	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
8	AMS	2.5 % v/v	2 qt/a						
9	PREFIX	1.31 lb ai/a	2 pt/a			A	3 abc	65 b	95 a
9	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
9	AMS	2.5 % v/v	2 qt/a						
10	PYTHON	0.0665 lb ai/a	1.33 oz/a			A	2 bc	87 ab	98 a
10	ROUNDUP WEATHERMAX	0.77 lb ae/a	22 oz/a			B			
10	AMS	2.5 % v/v	2 qt/a						
LSD (P=.05)							3.8	17.9	7.9
Standard Deviation							2.2	10.5	4.6
CV							66.46	13.02	4.89
Bartlett's X2							0.0	6.319	11.726
P(Bartlett's X2)							.	0.708	0.229
Replicate F							6.283	6.609	0.119
Replicate Prob(F)							0.0085	0.0070	0.8882
Treatment F							4.906	3.381	2.822
Treatment Prob(F)							0.0020	0.0133	0.0292

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.