

Ohio State University Horticulture and Crop Science

WEED STAGE AT EACH APPLICATION

	A	B	C
Weed 1 Code, Stage:	SETFA .	SETFA 6"	SETFA .
Stage Scale:	.	4LVS	.
Density, Unit:	47.2 M2	47.2 M2	.
Weed 2 Code, Stage:	CHEAL .	CHEAL 2-4"	CHEAL 2-14"
Stage Scale:	.	8-10LVS	>12 LVS
Density, Unit:	55.5 M2	55.5 M2	55.5 M2
Weed 3 Code, Stage:	ABUTH .	ABUTH 2-5"	ABUTH 6-18"
Stage Scale:	.	2-5LVS	>12 LVS
Density, Unit:	2.25 M2	2.25 M2	2.25 M2
Weed 4 Code, Stage:	AMARE .	AMARE 2"	AMARE .
Stage Scale:	.	6LVS	.
Density, Unit:	1 M2	1 M2	.
Weed 5 Code, Stage:	AMBEL .	AMBEL 2-4"	AMBEL .
Stage Scale:	.	6-10LVS	.
Density, Unit:	1 M2	1 M2	.
Weed 6 Code, Stage:	AMBTR .	AMBTR 8-10"	AMBTR 17-25"
Stage Scale:	.	8-12LVS	>12 LVS
Density, Unit:	7.5 M2	7.5 M2	7.5 M2
Weed 7 Code, Stage:	POLPY .	POLPY 2"	POLPY .
Stage Scale:	.	6LVS	.
Density, Unit:	1.5 M2	1.5 M2	.

APPLICATION EQUIPMENT

	A	B	C
Appl. Equipment:	BACKPACK	BACKPACK	BACKPACK
Operating Pressure:	50	50	50
Nozzle Type:	DG	DG	DG
Nozzle Size:	11002	11002	11002
Nozzle Spacing, Unit:	18 IN	18 IN	18 IN
Ground Speed, Unit:	3 MPH	3 MPH	3 MPH
Carrier:	WATER	WATER	WATER
Spray Volume, Unit:	20 GPA	20 GPA	20 GPA
Propellant:	CO2	CO2	CO2

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RIMSULFURON + ISOXAFLUTOLE FOR ROUNDUP READY AND LIBERTY LINK CORN

USA-07-003

Trial ID: 07RIM

Study Dir.: Anthony F. Dobbels

Location: WESTERN BRANCH BIG E

Investigator: Dr. Mark M. Loux

Weed Code

Crop Code

Rating Data Type

Rating Unit

Rating Date

Trt-Eval Interval

ARM Action Codes

Subsamples, Dec.

ZAMX	ZAMX	ZAMX
WEIGHT	MOISTURE	YIELD
LBS	PERCENT	BU
Oct/16/2007	Oct/16/2007	Oct/16/2007
HARVEST	HARVEST	HARVEST
		TY1
1	1	1

Trt No.	Treatment Name	Rate	Product	Product	Appl	30	31	32
No.	Name	Rate	Unit	Rate	Unit	Code		
1	ATRAZINE	8 oz	ai/a	1 pt/a		A	41.3 ab	12.4 a
1	ROUNDUP WEATHERMAX	12.4 oz	ae/a	22 oz/a		B		
1	AMS	5 %	v/v	4 qt/a		B		
2	ATRAZINE	8 oz	ai/a	1 pt/a		A	37.7 ab	13.1 a
2	LIBERTY	6.68 oz	ai/a	2 pt/a		B		
2	AMS	5 %	v/v	4 qt/a		B		
3	DPX-E9636	0.125 oz	ai/a	0.5 oz/a		A	42.5 ab	12.8 a
3	BALANCE PRO	0.25 oz	ai/a	0.5 oz/a		A		
3	ATRAZINE	8 oz	ai/a	1 pt/a		A		
3	ROUNDUP WEATHERMAX	12.4 oz	ae/a	22 oz/a		B		
3	AMS	5 %	v/v	4 qt/a		B		
4	DPX-E9636	0.188 oz	ai/a	0.75 oz/a		A	42.1 ab	12.7 a
4	BALANCE PRO	0.375 oz	ai/a	0.75 oz/a		A		
4	ATRAZINE	8 oz	ai/a	1 pt/a		A		
4	ROUNDUP WEATHERMAX	12.4 oz	ae/a	22 oz/a		B		
4	AMS	5 %	v/v	4 qt/a		B		
5	DPX-E9636	0.25 oz	ai/a	1 oz/a		A	40.6 ab	12.5 a
5	BALANCE PRO	0.5 oz	ai/a	1 oz/a		A		
5	ATRAZINE	8 oz	ai/a	1 pt/a		A		
5	ROUNDUP WEATHERMAX	12.4 oz	ae/a	22 oz/a		B		
5	AMS	5 %	v/v	4 qt/a		B		
6	DPX-E9636	0.313 oz	ai/a	1.25 oz/a		A	42.6 ab	12.5 a
6	BALANCE PRO	0.625 oz	ai/a	1.25 oz/a		A		
6	ATRAZINE	8 oz	ai/a	1 pt/a		A		
6	ROUNDUP WEATHERMAX	12.4 oz	ae/a	22 oz/a		B		
6	AMS	5 %	v/v	4 qt/a		B		
7	DPX-E9636	0.375 oz	ai/a	1.5 oz/a		A	45.5 a	13.2 a
7	BALANCE PRO	0.75 oz	ai/a	1.5 oz/a		A		
7	ATRAZINE	8 oz	ai/a	1 pt/a		A		
7	ROUNDUP WEATHERMAX	12.4 oz	ae/a	22 oz/a		B		
7	AMS	5 %	v/v	4 qt/a		B		
8	DPX-E9636	0.25 oz	ai/a	1 oz/a		A	34.4 ab	12.5 a
8	BALANCE PRO	0.5 oz	ai/a	1 oz/a		A		
8	ATRAZINE	8 oz	ai/a	1 pt/a		A		
8	LIBERTY	6.68 oz	ai/a	2 pt/a		B		
8	AMS	5 %	v/v	4 qt/a		B		
9	HARNESS XTRA 5.6	40.3 oz	ai/a	1.8 qt/a		A	43.2 ab	13.2 a
9	ROUNDUP WEATHERMAX	12.4 oz	ae/a	22 oz/a		B		
9	AMS	5 %	v/v	4 qt/a		B		
10	HARNESS XTRA 5.6	40.3 oz	ai/a	1.8 qt/a		A	37.6 ab	12.4 a
10	LIBERTY	6.68 oz	ai/a	2 pt/a		B		
10	AMS	5 %	v/v	4 qt/a		B		
11	ROUNDUP WEATHERMAX	12.4 oz	ae/a	22 oz/a		B	37.9 ab	12.8 a
11	AMS	5 %	v/v	4 qt/a		B		

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Weed Code	ZEAMX	ZEAMX	ZEAMX
Crop Code	WEIGHT	MOISTURE	YIELD
Rating Data Type	LBS	PERCENT	BU
Rating Unit	Oct/16/2007	Oct/16/2007	Oct/16/2007
Rating Date	HARVEST	HARVEST	HARVEST
Trt-Eval Interval			TY1
ARM Action Codes			
# Subsamples, Dec.	1	1	1

Trt No.	Treatment Name	Rate	Product	Product	Appl	30	31	32
		Rate Unit	Rate	Rate Unit	Code			
12	ROUNDUP WEATHERMAX	12.4 oz ae/a	22 oz/a	4 qt/a	C	35.6 ab	12.8 a	189.3 ab
12	AMS	5 % v/v	4 qt/a		C			
13	LIBERTY	6.68 oz ai/a	2 pt/a	4 qt/a	B	29.0 b	12.1 a	155.1 b
13	AMS	5 % v/v	4 qt/a		B			
14	LIBERTY	6.68 oz ai/a	2 pt/a	4 qt/a	C	32.8 ab	12.8 a	174.3 ab
14	AMS	5 % v/v	4 qt/a		C			
15	UTC					15.1 c	12.3 a	80.6 c
LSD (P=.05)						8.24	1.00	43.34
Standard Deviation						5.76	0.70	30.33
CV						15.5	5.5	15.33
Bartlett's X2						15.399	8.096	15.644
P(Bartlett's X2)						0.351	0.884	0.336
Replicate F						3.663	4.726	3.469
Replicate Prob(F)						0.0199	0.0063	0.0246
Treatment F						6.881	0.958	6.959
Treatment Prob(F)						0.0001	0.5092	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.

ARM Action Codes

TY1 = 5.185714*[30]*(100-[31])/85