

Ohio State University Horticulture and Crop Science

WEED STAGE AT EACH APPLICATION

	A	B
Weed 1 Code, Stage: SETFA .		SETFA 3-5"
Stage Scale: .		2-3 LVS
Density, Unit: . .		8.25 M2
Weed 2 Code, Stage: CHEAL .		CHEAL 2-3"
Stage Scale: .		6-8 LVS
Density, Unit: . .		18 M2
Weed 3 Code, Stage: AMBTR .		AMBTR 10"
Stage Scale: .		6-12 LVS
Density, Unit: . .		11.2 M2
Weed 4 Code, Stage: POLPY .		POLPY 2"
Stage Scale: .		5 LVS
Density, Unit: . .		22.5 M2
Weed 5 Code, Stage: AMARE .		AMARE 2-4"
Stage Scale: .		6-10 LVS
Density, Unit: . .		0.33 M2
Weed 6 Code, Stage: ABUTH .		ABUTH 3"
Stage Scale: .		5 LVS
Density, Unit: . .		6.75 M2

APPLICATION EQUIPMENT

	A	B		
Appl. Equipment:	BACKPACK		BACKPACK	
Operating Pressure:	50		50	
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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POSTEMERGENCE BROADLEAF WEED CONTROL IN CORN WITH PERMIT AND YUKON

Trial ID: 07POCBLF1
Location: WESTERN BRANCH BIG E

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

Weed Code			
Crop Code			
Rating Data Type		ZEAMX	ZEAMX
Rating Unit		WEIGHT	MOISTURE
Rating Date		LBS	PERCENT
Trt-Eval Interval		Oct/12/2007	Oct/12/2007
ARM Action Codes		HARVEST	HARVEST
# Subsamples, Dec.		1	1

Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Unit	Appl Code	19	20	21
1	DUAL II MAGNUM	0.63	lb ai/a	0.66	pt/a	A	34.9 c	14.4 a	182.4 c
1	PERMIT	0.031	lb ai/a	0.66	oz/a	B			
1	ATRAZINE	0.5	lb ai/a		1 pt/a				
1	COC	1	% v/v		0.8 qt/a				
1	AMS	2.5	% v/v		2 qt/a				
2	DUAL II MAGNUM	0.63	lb ai/a	0.66	pt/a	A	36.8 bc	15.7 a	189.2 c
2	PERMIT	0.031	lb ai/a	0.66	oz/a	B			
2	CALLISTO	0.0313	lb ai/a		1 oz/a				
2	COC	1	% v/v		0.8 qt/a				
2	AMS	2.5	% v/v		2 qt/a				
3	DUAL II MAGNUM	0.63	lb ai/a	0.66	pt/a	A	38.2 bc	14.8 a	198.5 bc
3	PERMIT	0.031	lb ai/a	0.66	oz/a	B			
3	LAUDIS	0.0273	lb ai/a		1 oz/a				
3	COC	1	% v/v		0.8 qt/a				
3	AMS	2.5	% v/v		2 qt/a				
4	DUAL II MAGNUM	0.63	lb ai/a	0.66	pt/a	A	32.5 c	15.2 a	168.3 c
4	PERMIT	0.031	lb ai/a	0.66	oz/a	B			
4	BUCTRIL	0.25	lb ai/a		0.5 pt/a				
4	NIS	0.25	% v/v		6.4 oz/a				
5	DUAL II MAGNUM	0.63	lb ai/a	0.66	pt/a	A	32.0 c	14.6 a	167.0 c
5	YUKON	0.253	lb ai/a		6 oz/a	B			
5	COC	1	% v/v		0.8 qt/a				
6	DUAL II MAGNUM	0.63	lb ai/a	0.66	pt/a	A	31.8 c	15.5 a	163.6 c
6	YUKON	0.21	lb ai/a		5 oz/a	B			
6	COC	1	% v/v		0.8 qt/a				
7	DUAL II MAGNUM	0.63	lb ai/a	0.66	pt/a	A	31.9 c	16.1 a	163.3 c
7	YUKON	0.169	lb ai/a		4 oz/a	B			
7	COC	1	% v/v		0.8 qt/a				
8	DUAL II MAGNUM	0.63	lb ai/a	0.66	pt/a	A	44.3 ab	15.0 a	230.0 ab
8	CALLISTO	0.094	lb ai/a		3 oz/a	B			
8	ATRAZINE	0.5	lb ai/a		16 oz/a				
8	COC	1	% v/v		0.8 qt/a				
8	AMS	2.5	% v/v		2 qt/a				
9	DUAL II MAGNUM	0.63	lb ai/a	0.66	pt/a	A	46.8 a	15.4 a	241.5 a
9	IMPACT	0.0164	lb ai/a		0.75 oz/a	B			
9	ATRAZINE	0.5	lb ai/a		1 pt/a				
9	COC	1	% v/v		0.8 qt/a				
9	AMS	2.5	% v/v		2 qt/a				
10	UTC						18.3 d	14.6 a	95.6 d
LSD (P=.05)							6.27	1.60	32.90
Standard Deviation							4.32	1.10	22.67
CV							12.43	7.3	12.6
Bartlett's X2							12.93	20.318	12.773
P(Bartlett's X2)							0.166	0.016*	0.173

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Weed Code			
Crop Code	ZEAMX	ZEAMX	ZEAMX
Rating Data Type	WEIGHT	MOISTURE	YIELD
Rating Unit	LBS	PERCENT	BU
Rating Date	Oct/12/2007	Oct/12/2007	Oct/12/2007
Trt-Eval Interval	HARVEST	HARVEST	HARVEST
ARM Action Codes			TY1
# Subsamples, Dec.	1	1	1

Trt No.	Treatment Name	Rate	Unit	Product Rate	Product Rate	Product Unit	Appl Code	19	20	21
Replicate F		0.843							4.039	0.678
Replicate Prob(F)		0.4825							0.0170	0.5729
Treatment F		13.156							0.957	12.702
Treatment Prob(F)		0.0001							0.4947	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 = $5.185714 * [19] * (100 - [20]) / 85$