

MSU Weed Science Research Program

ATRAZINE TANK-MIXES IN CORN, 2009

Trial ID: C0909
Conducted: CAMPUS

Study Dir.: Andy Chomas
Investigator: Wesley Everman

Weed Density (plants/sq. ft.)

1
Date: 6/4/09
Weed Name: ANGR
Density: 20
Date: 6/4/09
Weed Name: CHEAL
Density: 23
Date: 6/4/09
Weed Name: AMARE
Density: 2
Date: 6/4/09
Weed Name: AMBEL
Date: 6/4/09
Weed Name: ABUTH
Density: 1

Application Equipment

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom				
	Type	MPH	Type	Size	Height	Spacing	Width	GPA	Carrier	PSI	
A	CUB	3.5	FF	8003	22"	20"	100"	20	H2O	30	

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Weed Code														
Crop Code														
Rating Data Type														
Rating Unit														
Rating Date														
Trt-Eval Interval														
ARM Action Codes														

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	1	2	3	4	5	6	7	8
1	Non-Treated						0	0	0	0	0	0	0	0
2	Callisto Xtra		L	24	fl oz/a	MP	0	0	97	100	100	100	0	79
2	Touchdown Total	4.17	L	24	fl oz/a	MP								
2	N-Pak AMS		L	2.5	% v/v	MP								
3	Laudis	3.5	SC	3	fl oz/a	MP	4	0	100	100	100	100	0	93
3	Atrazine	4	L	16	fl oz/a	MP								
3	Touchdown Total	4.17	L	24	fl oz/a	MP								
3	N-Pak AMS		L	2.5	% v/v	MP								
4	Impact	2.8	SC	0.75	fl oz/a	MP	3	0	98	100	100	100	0	80
4	Atrazine	4	L	16	fl oz/a	MP								
4	Touchdown Total	4.17	L	24	fl oz/a	MP								
4	N-Pak AMS		L	2.5	% v/v	MP								
5	Status	56	DF	5	oz/a	MP	1	0	98	99	100	100	0	83
5	Atrazine	4	L	16	fl oz/a	MP								
5	Touchdown Total	4.17	L	24	fl oz/a	MP								
5	N-Pak AMS		L	2.5	% v/v	MP								
6	Capreno	3.45	SC	3	fl oz/a	MP	2	0	96	100	100	100	0	79
6	Atrazine	4	L	16	fl oz/a	MP								
6	Touchdown Total	4.17	L	24	fl oz/a	MP								
6	N-Pak AMS		L	2.5	% v/v	MP								
LSD (P=.05)							3.5	0.0	1.5	0.9	0.0	0.0	0.0	8.1
Standard Deviation							1.9	0.0	0.8	0.5	0.0	0.0	0.0	4.5
CV							128.24	0.0	0.99	0.57	0.0	0.0	0.0	6.48

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Weed Code	CHEAL	AMARE	ABUTH	ANGR	CHEAL	AMARE	ABUTH	
Crop Code								ZEAMX
Rating Data Type	control	control	control	control	control	control	control	yield
Rating Unit	percent	percent	percent	percent	percent	percent	percent	bu/ac
Rating Date	6/30/09	6/30/09	6/30/09	7/28/09	7/28/09	7/28/09	7/28/09	11/5/09
Trt-Eval Interval	26 DAMP	26 DAMP	26 DAMP	54 DAMP	54 DAMP	54 DAMP	54 DAMP	HARVEST
ARM Action Codes								

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	9	10	11	12	13	14	15	16
1	Non-Treated						0	0	0	0	0	0	0	186
2	Callisto Xtra		L	24	fl oz/a	MP	100	100	100	69	100	100	100	251
2	Touchdown Total	4.17	L	24	fl oz/a	MP								
2	N-Pak AMS		L	2.5	% v/v	MP								
3	Laudis	3.5	SC	3	fl oz/a	MP	100	100	100	91	100	100	97	245
3	Atrazine	4	L	16	fl oz/a	MP								
3	Touchdown Total	4.17	L	24	fl oz/a	MP								
3	N-Pak AMS		L	2.5	% v/v	MP								
4	Impact	2.8	SC	0.75	fl oz/a	MP	100	100	88	71	98	100	83	253
4	Atrazine	4	L	16	fl oz/a	MP								
4	Touchdown Total	4.17	L	24	fl oz/a	MP								
4	N-Pak AMS		L	2.5	% v/v	MP								
5	Status	56	DF	5	oz/a	MP	100	100	91	77	100	100	87	248
5	Atrazine	4	L	16	fl oz/a	MP								
5	Touchdown Total	4.17	L	24	fl oz/a	MP								
5	N-Pak AMS		L	2.5	% v/v	MP								
6	Capreno	3.45	SC	3	fl oz/a	MP	100	100	100	73	100	100	100	246
6	Atrazine	4	L	16	fl oz/a	MP								
6	Touchdown Total	4.17	L	24	fl oz/a	MP								
6	N-Pak AMS		L	2.5	% v/v	MP								
LSD (P=.05)							0.0	0.0	2.2	6.7	2.1	0.0	8.3	52.6
Standard Deviation							0.0	0.0	1.2	3.7	1.2	0.0	4.5	28.0
CV							0.0	0.0	1.53	5.77	1.42	0.0	5.85	11.75