



<b>Weed 4 Code:</b>	XANST
<b>Stage(leaves):</b>	0-3
<b>Height(inches):</b>	1-3
<b>Density:</b>	High

**APPLICATION EQUIPMENT**

	<b>A</b>	<b>B</b>
<b>Appl. Equipment:</b>	CO2 sprayer	CO2 sprayer
<b>Operating Pressure:</b>	40 PSI	40 PSI
<b>Nozzle Type:</b>	Flat fan	Flat fan
<b>Nozzle Size:</b>	8003	8002
<b>Boom Length, Unit:</b>	7.5 FT	7.5 FT
<b>Spray Volume, Unit:</b>	20 GPA	20 GPA

**NOTES:**  
Not harvested.

Postemergence Applications of Define plus Liberty and Option.

Project Code: 03-50E-S40 Location: Belleville Research Center

Weed Code									SETFA	SETFA	SETFA	AMBTR	AMBTR	AMBTR	AMATA	AMATA	AMATA					
Crop Code									ZEAMX	ZEAMX	ZEAMX	ZEAMX										
Rating Data Type									Injury	Injury	Injury	Injury	Control	Control	Control	Control	Control					
Rating Unit									Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent					
Rating Date									6-30-03	7-7-03	7-21-03	8-18-03	7-21-03	8-18-03	7-21-03	7-21-03	8-18-03					
Trt-Eval Interval									7 DA-B	14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B	56 DA-B	14 DA-B	28 DA-B					
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Prod Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code													
1	NONTREATED									0	0	0	0	0	0	0	0					
2	BALANCE PRO	4	SC	0.047	LB A/A	1.5	FL OZ/A	PRE	A	0	0	0	0	99	99	99	93					
2	AATREX	90	WG	1.0	LB A/A	1.11	LB/A	PRE	A													
3	OPTION	35	WG	0.0328	LB A/A	1.5	OZ/A	1-3"W	B	0	0	0	0	99	99	99	53					
3	MSO CONCENTRATE	100	LIQ	1.5	PT/A	1.5	PT/A	1-3"W	B													
3	28% UAN	100	LIQ	1.5	QT/A	1.5	QT/A	1-3"W	B													
4	BALANCE PRO	4	SC	0.047	LB A/A	1.5	FL OZ/A	PRE	A	0	0	0	0	99	99	99	93					
4	AATREX	90	WG	1	LB A/A	1.11	LB/A	PRE	A													
4	OPTION	35	WG	0.0328	LB A/A	1.5	OZ/A	1-3"W	B													
4	MSO CONCENTRATE	100	LIQ	1.5	PT/A	1.5	PT/A	1-3"W	B													
4	28% UAN	100	LIQ	1.5	QT/A	1.5	QT/A	1-3"W	B													
5	OPTION	35	WG	0.0328	LB A/A	1.5	OZ/A	1-3"W	B	0	0	0	0	99	98	98	93					
5	DEFINE	4	SC	0.3	LB A/A	9.6	FL OZ/A	1-3"W	B													
5	AATREX	90	WG	1	LB A/A	1.11	LB/A	1-3"W	B													
5	MSO CONCENTRATE	100	LIQ	1.5	PT/A	1.5	PT/A	1-3"W	B													
5	28% UAN	100	LIQ	1.5	QT/A	1.5	QT/A	1-3"W	B													
6	LIBERTY	1.67	EC	0.417	LB A/A	32	FL OZ/A	1-3"W	B	0	0	0	0	99	99	99	85					
6	AMS	100	DRY	3.0	LB A/A	3	LB/A	1-3"W	B													
7	BALANCE PRO	4	SC	0.047	LB A/A	1.5	FL OZ/A	PRE	A	0	0	0	0	99	99	99	92					
7	AATREX	90	WG	1	LB A/A	1.11	LB/A	PRE	A													
7	LIBERTY	1.67	EC	0.417	LB A/A	32	FL OZ/A	1-3"W	B													
7	DEFINE	4	SC	0.3	LB A/A	9.6	FL OZ/A	1-3"W	B													
7	AMS	100	DRY	3.0	LB A/A	3	LB/A	1-3"W	B													
8	LIBERTY	1.67	EC	0.417	LB A/A	32	FL OZ/A	1-3"W	B	0	0	0	0	99	98	98	95					
8	DEFINE	4	SC	0.3	LB A/A	9.6	FL OZ/A	1-3"W	B													
8	AATREX	90	WG	1	LB A/A	1.11	LB/A	1-3"W	B													
8	AMS	100	DRY	3.0	LB A/A	3	LB/A	1-3"W	B													
LSD (P=.05)										0.0	0.0	0.0	0.0	0.0	0.5	1.0	10.8	8.3	14.6	29.7	18.0	20.4
Replicate F										0.000	0.000	0.000	0.000	0.000	0.467	0.467	1.721	1.738	1.736	0.950	1.294	2.247
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000	0.6365	0.6365	0.2146	0.2117	0.2121	0.4102	0.3051	0.1424
Treatment F										0.000	0.000	0.000	0.000	0.000	41009.000	10215.050	98.380	166.107	54.122	13.004	35.008	24.734
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001

Weed Code	XANST	XANST	XANST
Crop Code			
Rating Data Type	Control	Control	Control
Rating Unit	Percent	Percent	Percent
Rating Date	7-7-03	7-21-03	8-18-03
Trt-Eval Interval	14 DA-B	28 DA-B	56 DA-B

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code			
1	NONTREATED									0	0	0
2	BALANCE PRO	4	SC	0.047	LB A/A	1.5	FL OZ/A	PRE	A	75	73	67
2	AATREX	90	WG	1.0	LB A/A	1.11	LB/A	PRE	A			
3	OPTION	35	WG	0.0328	LB A/A	1.5	OZ/A	1-3"W	B	82	98	90
3	MSO CONCENTRATE	100	LIQ	1.5	PT/A	1.5	PT/A	1-3"W	B			
3	28% UAN	100	LIQ	1.5	QT/A	1.5	QT/A	1-3"W	B			
4	BALANCE PRO	4	SC	0.047	LB A/A	1.5	FL OZ/A	PRE	A	98	98	92
4	AATREX	90	WG	1	LB A/A	1.11	LB/A	PRE	A			
4	OPTION	35	WG	0.0328	LB A/A	1.5	OZ/A	1-3"W	B			
4	MSO CONCENTRATE	100	LIQ	1.5	PT/A	1.5	PT/A	1-3"W	B			
4	28% UAN	100	LIQ	1.5	QT/A	1.5	QT/A	1-3"W	B			
5	OPTION	35	WG	0.0328	LB A/A	1.5	OZ/A	1-3"W	B	99	98	92
5	DEFINE	4	SC	0.3	LB A/A	9.6	FL OZ/A	1-3"W	B			
5	AATREX	90	WG	1	LB A/A	1.11	LB/A	1-3"W	B			
5	MSO CONCENTRATE	100	LIQ	1.5	PT/A	1.5	PT/A	1-3"W	B			
5	28% UAN	100	LIQ	1.5	QT/A	1.5	QT/A	1-3"W	B			
6	LIBERTY	1.67	EC	0.417	LB A/A	32	FL OZ/A	1-3"W	B	81	96	90
6	AMS	100	DRY	3.0	LB A/A	3	LB/A	1-3"W	B			
7	BALANCE PRO	4	SC	0.047	LB A/A	1.5	FL OZ/A	PRE	A	99	99	93
7	AATREX	90	WG	1	LB A/A	1.11	LB/A	PRE	A			
7	LIBERTY	1.67	EC	0.417	LB A/A	32	FL OZ/A	1-3"W	B			
7	DEFINE	4	SC	0.3	LB A/A	9.6	FL OZ/A	1-3"W	B			
7	AMS	100	DRY	3.0	LB A/A	3	LB/A	1-3"W	B			
8	LIBERTY	1.67	EC	0.417	LB A/A	32	FL OZ/A	1-3"W	B	99	99	95
8	DEFINE	4	SC	0.3	LB A/A	9.6	FL OZ/A	1-3"W	B			
8	AATREX	90	WG	1	LB A/A	1.11	LB/A	1-3"W	B			
8	AMS	100	DRY	3.0	LB A/A	3	LB/A	1-3"W	B			
LSD (P=.05)										31.1	24.0	25.9
Replicate F										0.649	0.680	0.804
Replicate Prob(F)										0.5374	0.5226	0.4671
Treatment F										10.625	18.892	14.477
Treatment Prob(F)										0.0001	0.0001	0.0001

Postemergence Applications of Define plus Liberty and Option.

Project Code: 03-50E-S40      Location: Belleville Research Center

Trial Comments

1. Protocol: Bayer.
2. Ratings: CI 7, 14, 28 and 56 DA "B"; WC 14, 28 and 56 DA "B".
3. DA-B = days after 1-3"W application.