

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.4
 %OM: 4.8
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 36 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQMXSPR	
APPLICATION DATE	05/25/01	AME
AIR TEMPERATURE	55	F
% REL.HUMIDITY	60	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	4.0	M/H
CLOUD COVER	CLOUDY	
DEW	DRY	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	42.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/15	
PIONEER 34R07	8.00/10.0	IN
04/26/2001		
*** PEST ***		
VELVETLEAF	---/14	
	2.00/4.00	IN
LAMBSQUARTERS, C	---/18	
	1.00/3.00	IN
SMARTWEED, PENNS	---/18	
	2.00/4.00	IN
FOXTAIL, GIANT	---/12	
	2.00/4.00	IN

* TIMING CODES
 12 = ----- / POST

* STAGE CODE
 12 = 2 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5 LEAVES UNFOLDED
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: AEF130360 tank mixes, rates, and adjuvants for grass weed control in corn C-500

CREATED: 04/15/2001 REVISED: 10/25/2001

COMPLETED: N

PROJECT TYPE: HERBICIDE

LOCATION: URBANA

RESEARCHED BY: UNIV. OF ILL

DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN

PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	ABUTH	POLPY	ZEAMD
		RATE	UNIT		CON % 06/07/01	CON % 06/07/01	CON % 06/07/01	CON % 06/07/01	CON % 06/07/01	CON % 06/29/01
1A»	AEF 130360-1 7	0.055	LAA	12	12	73	47	43	30	0
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
2A»	AEF 130360-1 7	0.066	LAA	12	18	80	68	57	37	0
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
3A»	AEF 130360-1 7	0.077	LAA	12	20	88	82	78	58	3
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
4A»	AEF 130360-1 7	0.055	LAA	12	7	37	32	27	13	3
	B»LIQ ADJUV A	1.00	PMV	12						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	AEF 130360-1 7	0.066	LAA	12	2	45	27	32	12	3
	B»LIQ ADJUV A	1.00	PMV	12						
7A»	AEF 130360-1 7	0.077	LAA	12	2	43	32	35	30	0
	B»LIQ ADJUV A	1.00	PMV	12						
8A»	AEF 130360-1 7	0.055	LAA	12	17	85	82	82	77	0
	B»CALLISTO 4SC	0.094	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
9A»	AEF 130360-1 7	0.066	LAA	12	13	78	65	80	73	0
	B»CALLISTO 4SC	0.094	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
10A»	AEF 130360-1 7	0.077	LAA	12	18	82	73	80	78	0
	B»CALLISTO 4SC	0.094	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
11A»	AEF 130360-1 7	0.055	LAA	12	8	85	82	80	75	0
	B ATRAZINE DF	1.00	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
12A»	AEF 130360-1 7	0.066	LAA	12	7	80	77	73	78	0
	B ATRAZINE DF	1.00	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
13A»	AEF 130360-1 7	0.077	LAA	12	7	85	92	88	67	0
	B ATRAZINE DF	1.00	LAA	12						
	C»MSO	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A»	AEF 130360-2 6	0.067	LAA	12	25	87	63	72	53	0
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
15A»	STEADFAST 75DF	0.035	LAA	12	5	78	75	70	72	0
	B ATRAZINE DF	1.00	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
16A»	CALLISTO 4SC	0.094	LAA	12	0	20	75	80	82	2
	B»MSO	1.00	PMV	12						
	C 28% UAN	2.50	PMV	12						
		LSD (0.05)			4.43	9.14	14.24	20.00	21.00	4.27
		STANDARD DEVIATION			2.17	4.47	7.00	9.82	10.28	2.09

DATA MEAN

TITLE: AEF130360 tank mixes, rates, and adjuvants for grass weed control in corn C-500
 CREATED: 04/15/2001 REVISED: 10/25/2001 COMPLETED: N
 PROJECT TYPE: HERBICIDE
 LOCATION: URBANA RESEARCHED BY: UNIV. OF ILL
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
 PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	CHEAL	ABUTH	POLPY	YIELD
		RATE	UNIT	TM	CON % 06/29/01	CON % 06/29/01	CON % 06/29/01	CON % 06/29/01	BU/A 09/25/01
1A»	AEF 130360-1 7	0.055	LAA	12	88	78	82	17	171.3
	B»MSO	1.00	PMV	12					
	C 28% UAN	2.50	PMV	12					
2A»	AEF 130360-1 7	0.066	LAA	12	95	83	86	22	172.5
	B»MSO	1.00	PMV	12					
	C 28% UAN	2.50	PMV	12					
3A»	AEF 130360-1 7	0.077	LAA	12	97	87	85	32	175.7
	B»MSO	1.00	PMV	12					
	C 28% UAN	2.50	PMV	12					
4A»	AEF 130360-1 7	0.055	LAA	12	32	22	24	8	146.5
	B»LIQ ADJUV A	1.00	PMV	12					
5A	CHECK	0.00	NA	0	0	0	0	0	86.7
6A»	AEF 130360-1 7	0.066	LAA	12	40	23	18	10	143.1
	B»LIQ ADJUV A	1.00	PMV	12					
7A»	AEF 130360-1 7	0.077	LAA	12	68	33	43	18	158.8
	B»LIQ ADJUV A	1.00	PMV	12					
8A»	AEF 130360-1 7	0.055	LAA	12	99	99	99	99	174.7
	B»CALLISTO 4SC	0.094	LAA	12					
	C»MSO	1.00	PMV	12					
	D 28% UAN	2.50	PMV	12					
9A»	AEF 130360-1 7	0.066	LAA	12	99	99	99	99	177.3
	B»CALLISTO 4SC	0.094	LAA	12					
	C»MSO	1.00	PMV	12					
	D 28% UAN	2.50	PMV	12					
10A»	AEF 130360-1 7	0.077	LAA	12	98	99	99	89	166.7
	B»CALLISTO 4SC	0.094	LAA	12					
	C»MSO	1.00	PMV	12					
	D 28% UAN	2.50	PMV	12					
11A»	AEF 130360-1 7	0.055	LAA	12	99	99	99	96	164.3
	B ATRAZINE DF	1.00	LAA	12					
	C»MSO	1.00	PMV	12					
	D 28% UAN	2.50	PMV	12					
12A»	AEF 130360-1 7	0.066	LAA	12	99	99	99	99	183.4
	B ATRAZINE DF	1.00	LAA	12					
	C»MSO	1.00	PMV	12					
	D 28% UAN	2.50	PMV	12					
13A»	AEF 130360-1 7	0.077	LAA	12	99	99	98	80	183.2
	B ATRAZINE DF	1.00	LAA	12					
	C»MSO	1.00	PMV	12					
	D 28% UAN	2.50	PMV	12					
14A»	AEF 130360-2 6	0.067	LAA	12	96	78	96	65	170.4
	B»MSO	1.00	PMV	12					
	C 28% UAN	2.50	PMV	12					
15A»	STEADFAST 75DF	0.035	LAA	12	99	98	95	88	175.9
	B ATRAZINE DF	1.00	LAA	12					
	C»COC	1.00	PMV	12					
	D 28% UAN	2.50	PMV	12					
16A»	CALLISTO 4SC	0.094	LAA	12	0	99	99	53	140.7
	B»MSO	1.00	PMV	12					
	C 28% UAN	2.50	PMV	12					
		LSD (0.05)			13.00	11.44	14.27	19.41	21.00
		STANDARD DEVIATION			6.38	5.60	7.00	9.50	10.27

» = SUPPLEMENTAL CHEMICAL

DATA MEAN

* TIMING CODES

00 = ----- / UNTREATED TIMING

12 = ----- / POST 05/25/2001(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
01	ZEAMD	CON %	06/07/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	SETFA	CON %	06/07/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	CHEAL	CON %	06/07/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	ABUTH	CON %	06/07/2001	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	POLPY	CON %	06/07/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	ZEAMD	CON %	06/29/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	SETFA	CON %	06/29/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	CHEAL	CON %	06/29/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	ABUTH	CON %	06/29/2001	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	POLPY	CON %	06/29/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	YIELD	BU/A	09/25/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34R07