

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMXSPR	
APPLICATION DATE	04/24/01	AME
AIR TEMPERATURE	62	F
% REL.HUMIDITY	25	
WIND DIRECTION	NORTHWEST	
WIND SPEED	10.0	M/H
CLOUD COVER	CLEAR	
DEW	---	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	BACKPACKS	
PROPELLANT	COMPRSCO2	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE NUMBER	6	
NOZZLE SPACING	20.000	IN
SWATH WIDTH	10.0	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	
	DN/SG/MMZ	
*** CROP ***		
CORN, DENT	---/01	
PIONEER 34R07	/	IN
04/24/2001		

* TIMING CODES
 09 = ----- / PREEMERGENCE

* STAGE CODE
 01 = BEGINNING OF IMBIBITION

DATA MEAN

TITLE: Preemergence treatments in conventional tillage corn AS-200
 CREATED: 04/09/2001 REVISED: 07/31/2001 COMPLETED: N
 PROJECT TYPE: HERBICIDE
 LOCATION: URBANA RESEARCHED BY: UNIV. OF ILL
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
 PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	ZEAMD	SETFA	CHEAL	ABUTH	POLPY
		RATE	UNIT		CON % 05/04/01	CON % 05/23/01	CON % 05/23/01	CON % 05/23/01	CON % 05/23/01	CON % 05/23/01
1A	BALANCE PRO 4S	0.07	LAA	9	0	0	33	57	60	60
2A	CALLISTO 4SC	0.14	LAA	9	0	0	30	47	60	63
3A	BALANCE PRO 4S	0.094	LAA	9	0	0	47	63	65	73
4A	CALLISTO 4SC	0.188	LAA	9	0	0	27	58	68	73
5A	BALANCE PRO 4S	0.094	LAA	9	0	0	63	72	62	87
	B ATRAZINE DF	1.00	LAA	9						
6A	CALLISTO 4SC	0.188	LAA	9	0	0	47	70	78	87
	B ATRAZINE DF	1.00	LAA	9						
7A	BALANCE PRO 4S	0.094	LAA	9	0	0	80	82	85	92
	B>DEFINE 60DF	0.45	LAA	9						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A	GF-688 3.5L	2.19	LAA	9	0	0	87	78	84	94
10A	BALANCE PRO 4S	0.094	LAA	9	0	0	77	78	63	88
	B>DEFINE 60DF	0.45	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
11A	GF-688 3.5L	2.19	LAA	9	0	0	93	96	93	96
	B ATRAZINE DF	1.00	LAA	9						
12A	CALLISTO 4SC	0.188	LAA	9	0	0	79	70	73	83
	B>DUAL II MAGNUM	1.60	LAA	9						
13A	BICEP II MAGNU	3.30	LAA	9	0	0	87	78	47	91
14A	BICEP II MAGNU	3.58	LAA	9	0	0	87	91	60	93
15A	BICEP II MAGNU	3.30	LAA	9	0	0	83	92	89	97
	B>CALLISTO 4SC	0.188	LAA	9						
16A	BICEP II MAGNU	3.30	LAA	9	0	0	91	90	83	95
	B>BALANCE PRO 4S	0.063	LAA	9						
17A	BICEP II MAGNU	3.30	LAA	9	0	0	87	93	63	93
	B PRINCEP 4L	1.00	LAA	9						
18A	BICEP II MAGNU	3.30	LAA	9	0	0	78	93	53	93
	B>PYTHON 80WG	0.05	LAA	9						
19A	BICEP II MAGNU	3.30	LAA	9	0	0	72	89	50	91
	B>HORNET 68.5WG	0.128	LAA	9						
20A	EPIC 58DF	0.54	LAA	9	0	0	83	85	73	89
21A	AXIOM	0.72	LAA	9	0	0	79	91	50	88
	B ATRAZINE DF	1.50	LAA	9						
22A	DEGREE XTRA 4S	3.23	LAA	9	0	0	91	90	53	93
23A	FULTIME 4SC	3.25	LAA	9	0	0	93	93	57	94
24A	HARNESS XTRA	3.50	LAA	9	0	0	93	96	57	95
25A	GUARDS MAX 5L	2.50	LAA	9	0	0	78	86	60	86
26A	EPIC 58DF	0.44	LAA	9	0	0	88	93	83	93
	B ATRAZINE DF	1.50	LAA	9						
27A	USA 2001 71.5W	0.58	LAA	9	0	0	84	90	77	90
	B ATRAZINE DF	1.50	LAA	9						

DATA MEAN

TITLE: Preemergence treatments in conventional tillage corn AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	ZEAMD	SETFA	CHEAL	ABUTH	POLPY
		RATE	UNIT		CON % 05/04/01	CON % 05/23/01	CON % 05/23/01	CON % 05/23/01	CON % 05/23/01	CON % 05/23/01
28A»	USA 2001 71.5W	0.72	LAA	9	0	0	86	95	87	96
	B ATRAZINE DF	1.25	LAA	9						
29A»	AXIOM	0.72	LAA	9	0	0	82	93	62	94
	B»HORNET 68.5WG	0.128	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
30A»	LEADOFF 5SE	3.13	LAA	9	0	0	76	88	53	83
31A»	LEADOFF 5SE	2.50	LAA	9	0	0	80	78	72	80
	B»BALANCE PRO 4S	0.063	LAA	9						
32A»	FULTIME 4SC	3.25	LAA	9	0	0	88	95	58	98
	B»HORNET 68.5WG	0.128	LAA	9						
		LSD (0.05)			0.00	0.00	7.58	8.25	11.87	7.82
		STANDARD DEVIATION			0.00	0.00	3.83	4.17	6.00	3.95

DATA MEAN

TITLE: Preemergence treatments in conventional tillage corn AS-200
CREATED: 04/09/2001 **REVISED:** 07/31/2001 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: URBANA **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	ZEAMD	SETFA	CHEAL	ABUTH	POLPY
		RATE	UNIT		CON % 05/23/01	CON % 06/21/01	CON % 06/21/01	CON % 06/21/01	CON % 06/21/01	CON % 06/21/01
1A	BALANCE PRO 4S	0.07	LAA	9	37	0	37	37	47	53
2A	CALLISTO 4SC	0.14	LAA	9	30	0	23	43	57	63
3A	BALANCE PRO 4S	0.094	LAA	9	40	0	67	50	57	73
4A	CALLISTO 4SC	0.188	LAA	9	37	0	23	65	67	70
5A	BALANCE PRO 4S	0.094	LAA	9	47	0	81	60	57	68
	B ATRAZINE DF	1.00	LAA	9						
6A	CALLISTO 4SC	0.188	LAA	9	57	0	23	73	75	80
	B ATRAZINE DF	1.00	LAA	9						
7A	BALANCE PRO 4S	0.094	LAA	9	67	0	87	63	72	87
	B>DEFINE 60DF	0.45	LAA	9						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A	GF-688 3.5L	2.19	LAA	9	67	0	91	63	89	86
10A	BALANCE PRO 4S	0.094	LAA	9	57	0	96	67	63	82
	B>DEFINE 60DF	0.45	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
11A	GF-688 3.5L	2.19	LAA	9	82	0	91	95	96	97
	B ATRAZINE DF	1.00	LAA	9						
12A	CALLISTO 4SC	0.188	LAA	9	72	0	72	47	63	63
	B>DUAL II MAGNUM	1.60	LAA	9						
13A	BICEP II MAGNU	3.30	LAA	9	62	0	78	78	33	87
14A	BICEP II MAGNU	3.58	LAA	9	63	0	76	84	33	88
15A	BICEP II MAGNU	3.30	LAA	9	73	0	78	93	83	96
	B>CALLISTO 4SC	0.188	LAA	9						
16A	BICEP II MAGNU	3.30	LAA	9	80	0	83	93	70	90
	B>BALANCE PRO 4S	0.063	LAA	9						
17A	BICEP II MAGNU	3.30	LAA	9	72	0	83	97	43	98
	B PRINCEP 4L	1.00	LAA	9						
18A	BICEP II MAGNU	3.30	LAA	9	65	0	63	83	23	84
	B>PYTHON 80WG	0.05	LAA	9						
19A	BICEP II MAGNU	3.30	LAA	9	55	0	63	76	30	77
	B>HORNET 68.5WG	0.128	LAA	9						
20A	EPIC 58DF	0.54	LAA	9	68	0	90	82	60	85
21A	AXIOM	0.72	LAA	9	60	0	83	88	27	87
	B ATRAZINE DF	1.50	LAA	9						
22A	DEGREE XTRA 4S	3.23	LAA	9	62	0	84	78	23	78
23A	FULTIME 4SC	3.25	LAA	9	60	0	85	80	30	82
24A	HARNESS XTRA	3.50	LAA	9	68	0	90	85	27	88
25A	GUARDS MAX 5L	2.50	LAA	9	63	0	70	78	27	75
26A	EPIC 58DF	0.44	LAA	9	78	0	90	91	84	90
	B ATRAZINE DF	1.50	LAA	9						
27A	USA 2001 71.5W	0.58	LAA	9	67	0	89	89	63	85
	B ATRAZINE DF	1.50	LAA	9						

DATA MEAN

TITLE: Preemergence treatments in conventional tillage corn AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE		TM	PHBPU	ZEAMD	SETFA	CHEAL	ABUTH	POLPY
	RATE	UNIT		CON % 05/23/01	CON % 06/21/01	CON % 06/21/01	CON % 06/21/01	CON % 06/21/01	CON % 06/21/01
28A»USA 2001 71.5W	0.72	LAA	9	80	0	88	91	82	91
B ATRAZINE DF	1.25	LAA	9						
29A»AXIOM	0.72	LAA	9	75	0	70	67	20	68
B»HORNET 68.5WG	0.128	LAA	9						
C ATRAZINE DF	1.00	LAA	9						
30A»LEADOFF 5SE	3.13	LAA	9	67	0	67	78	23	85
31A»LEADOFF 5SE	2.50	LAA	9	73	0	75	63	40	78
B»BALANCE PRO 4S	0.063	LAA	9						
32A»FULTIME 4SC	3.25	LAA	9	83	0	88	88	30	92
B»HORNET 68.5WG	0.128	LAA	9						
	LSD (0.05)			12.39	0.00	9.48	11.49	11.78	11.65
	STANDARD DEVIATION			6.26	0.00	4.79	5.80	6.00	5.89

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 PROJECT TYPE: HERBICIDE
 LOCATION: URBANA RESEARCHED BY: UNIV. OF ILL
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
 PLOT SIZE: 10.00 FT WIDE X 30.00 FT LONG REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU CON % 06/21/01
		RATE	UNIT		
1A	BALANCE PRO 4S	0.07	LAA	9	33
2A	CALLISTO 4SC	0.14	LAA	9	37
3A	BALANCE PRO 4S	0.094	LAA	9	50
4A	CALLISTO 4SC	0.188	LAA	9	43
5A	BALANCE PRO 4S	0.094	LAA	9	40
	B ATRAZINE DF	1.00	LAA	9	
6A	CALLISTO 4SC	0.188	LAA	9	43
	B ATRAZINE DF	1.00	LAA	9	
7A	BALANCE PRO 4S	0.094	LAA	9	50
	B>>DEFINE 60DF	0.45	LAA	9	
8A	CHECK	0.00	NA	0	0
9A	GF-688 3.5L	2.19	LAA	9	60
10A	BALANCE PRO 4S	0.094	LAA	9	60
	B>>DEFINE 60DF	0.45	LAA	9	
	C ATRAZINE DF	1.00	LAA	9	
11A	GF-688 3.5L	2.19	LAA	9	77
	B ATRAZINE DF	1.00	LAA	9	
12A	CALLISTO 4SC	0.188	LAA	9	47
	B>>DUAL II MAGNUM	1.60	LAA	9	
13A	BICEP II MAGNU	3.30	LAA	9	47
14A	BICEP II MAGNU	3.58	LAA	9	50
15A	BICEP II MAGNU	3.30	LAA	9	58
	B>>CALLISTO 4SC	0.188	LAA	9	
16A	BICEP II MAGNU	3.30	LAA	9	67
	B>>BALANCE PRO 4S	0.063	LAA	9	
17A	BICEP II MAGNU	3.30	LAA	9	62
	B PRINCEP 4L	1.00	LAA	9	
18A	BICEP II MAGNU	3.30	LAA	9	47
	B>>PYTHON 80WG	0.05	LAA	9	
19A	BICEP II MAGNU	3.30	LAA	9	47
	B>>HORNET 68.5WG	0.128	LAA	9	
20A	EPIC 58DF	0.54	LAA	9	53
21A	AXIOM	0.72	LAA	9	57
	B ATRAZINE DF	1.50	LAA	9	
22A	DEGREE XTRA 4S	3.23	LAA	9	50
23A	FULTIME 4SC	3.25	LAA	9	47
24A	HARNESS XTRA	3.50	LAA	9	50
25A	GUARDS MAX 5L	2.50	LAA	9	43
26A	EPIC 58DF	0.44	LAA	9	53
	B ATRAZINE DF	1.50	LAA	9	
27A	USA 2001 71.5W	0.58	LAA	9	63
	B ATRAZINE DF	1.50	LAA	9	

DATA MEAN

TITLE: Preemergence treatments in conventional tillage corn AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	PHBPU CON % 06/21/01	TM
28A>>USA 2001 71.5W	0.72	LAA	9	60
B ATRAZINE DF	1.25	LAA	9	
29A>>AXIOM	0.72	LAA	9	50
B>>HORNET 68.5WG	0.128	LAA	9	
C ATRAZINE DF	1.00	LAA	9	
30A>>LEADOFF 5SE	3.13	LAA	9	53
31A>>LEADOFF 5SE	2.50	LAA	9	53
B>>BALANCE PRO 4S	0.063	LAA	9	
32A>>FULTIME 4SC	3.25	LAA	9	53
B>>HORNET 68.5WG	0.128	LAA	9	
	LSD (0.05)			10.39
	STANDARD DEVIATION			5.25

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/24/2001(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	ZEAMD	CON %	05/04/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	ZEAMD	CON %	05/23/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	SETFA	CON %	05/23/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	CHEAL	CON %	05/23/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	ABUTH	CON %	05/23/2001	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	POLPY	CON %	05/23/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	PHBPU	CON %	05/23/2001	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	ZEAMD	CON %	06/21/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	SETFA	CON %	06/21/2001	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	CHEAL	CON %	06/21/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	ABUTH	CON %	06/21/2001	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	POLPY	CON %	06/21/2001	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	PHBPU	CON %	06/21/2001	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 34R07