

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.7
 %OM: 1.5
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 32 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	06/05/03	AME
AIR TEMPERATURE	65	F
% REL.HUMIDITY	55	
WIND DIRECTION	NORTH	
WIND SPEED	6.0	M/H
CLOUD COVER	CLEAR	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	---	

* TIMING CODES

09 = ----- / PREEMERGENCE

TITLE: Preemergence herbicide programs in corn C4S
CREATED: 05/22/2003 **REVISED:** 12/12/2003 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: BTOWN C4S **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 32.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	XANST	POLPY	AMBEL	CHEAL
		RATE	UNIT		CON % 07/03/03	CON % 07/03/03	CON % 07/03/03	CON % 07/03/03	CON % 07/03/03	CON % 07/03/03
1A	BICEP II MAGNU	3.30	LAA	9	0	99	88	99	98	99
2A	STALWART EXTRA	3.30	LAA	9	0	97	91	93	94	99
3A	LUMAX 3.9L	2.46	LAA	9	0	99	91	99	99	99
4A	LUMAX 3.9L	2.46	LAA	9	7	92	93	99	96	99
	B ATRAZINE DF	1.00	LAA	9						
5A	LUMAX 3.9L	2.46	LAA	9	0	98	93	99	98	99
	B PRINCEP 4L	1.00	LAA	9						
6A	LUMAX 3.9L	2.95	LAA	9	0	97	98	99	95	99
	B»PROWL H20 3.8C	1.25	LAA	9						
7A	HARNESS EXTRA	3.30	LAA	9	0	98	91	98	95	99
8A	EPIC 4L	0.22	LAA	9	0	99	80	96	90	99
9A	EPIC 4L	0.29	LAA	9	0	99	87	99	99	99
10A	KEYSTONE 5.25L	3.28	LAA	9	0	98	87	90	93	99
11A	KEYSTONE 5.25L	3.28	LAA	9	0	98	98	99	99	99
	B»HORNET 68.5WG	0.128	LAA	9						
12A	KEYSTONE 5.25L	1.64	LAA	9	0	95	92	96	99	99
	B»BALANCE PRO 4S	0.094	LAA	9						
13A	GUARDS MAX 5L	2.88	LAA	9	0	95	90	99	90	99
14A	BICEP II MAGNU	2.89	LAA	9	0	95	95	99	99	99
15A	FULTIME 4SC	3.50	LAA	9	0	96	96	99	99	99
	B»HORNET 68.5WG	0.128	LAA	9						
16A	GUARDS MAX 5L	2.50	LAA	9	0	96	96	99	99	99
	B»BALANCE PRO 4S	0.047	LAA	9						
17A	BALANCE PRO 4S	0.07	LAA	9	0	82	87	99	99	99
	B ATRAZINE DF	1.50	LAA	9						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0
19A	BALANCE PRO 4S	0.094	LAA	9	0	92	99	99	98	99
	B ATRAZINE DF	1.50	LAA	9						
20A	BALANCE PRO 4S	0.039	LAA	9	0	98	98	99	98	99
	B»DEFINE 4SC	0.375	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
21A	BALANCE PRO 4S	0.07	LAA	9	0	98	96	96	98	99
	B»DEFINE 4SC	0.375	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
22A	KIH-485 3.57L	0.15	LAA	9	0	99	99	99	99	99
	B»BALANCE PRO 4S	0.094	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
		LSL (0.05)			4.00	4.26	7.81	4.63	6.10	0.00
		STANDARD DEVIATION			2.00	2.13	3.91	2.31	3.05	0.00

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PLOT SIZE: 7.50 FT WIDE X 32.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMATA	PHBPU	ZEAMD	SETFA	XANST	POLPY
		RATE	UNIT		CON % 07/03/03	CON % 07/03/03	CON % 07/21/03	CON % 07/21/03	CON % 07/21/03	CON % 07/21/03
1A	BICEP II MAGNU	3.30	LAA	9	99	99	0	95	92	99
2A	STALWART EXTRA	3.30	LAA	9	99	93	0	94	87	99
3A	LUMAX 3.9L	2.46	LAA	9	99	93	0	97	88	99
4A	LUMAX 3.9L	2.46	LAA	9	99	96	0	92	90	99
	B ATRAZINE DF	1.00	LAA	9						
5A	LUMAX 3.9L	2.46	LAA	9	99	98	0	95	85	99
	B PRINCEP 4L	1.00	LAA	9						
6A	LUMAX 3.9L	2.95	LAA	9	99	96	0	90	90	99
	B»PROWL H20 3.8C	1.25	LAA	9						
7A	HARNESS EXTRA	3.30	LAA	9	99	92	0	95	82	99
8A	EPIC 4L	0.22	LAA	9	99	87	0	97	77	99
9A	EPIC 4L	0.29	LAA	9	99	87	0	99	85	99
10A	KEYSTONE 5.25L	3.28	LAA	9	99	87	0	92	80	99
11A	KEYSTONE 5.25L	3.28	LAA	9	99	95	0	92	97	99
	B»HORNET 68.5WG	0.128	LAA	9						
12A	KEYSTONE 5.25L	1.64	LAA	9	99	93	0	90	85	99
	B»BALANCE PRO 4S	0.094	LAA	9						
13A	GUARDS MAX 5L	2.88	LAA	9	99	92	0	87	90	99
14A	BICEP II MAGNU	2.89	LAA	9	99	92	0	90	88	99
15A	FULTIME 4SC	3.50	LAA	9	99	93	0	90	97	99
	B»HORNET 68.5WG	0.128	LAA	9						
16A	GUARDS MAX 5L	2.50	LAA	9	99	98	0	92	90	99
	B»BALANCE PRO 4S	0.047	LAA	9						
17A	BALANCE PRO 4S	0.07	LAA	9	99	92	0	80	75	99
	B ATRAZINE DF	1.50	LAA	9						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0
19A	BALANCE PRO 4S	0.094	LAA	9	99	98	0	90	93	99
	B ATRAZINE DF	1.50	LAA	9						
20A	BALANCE PRO 4S	0.039	LAA	9	99	92	0	96	90	99
	B»DEFINE 4SC	0.375	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
21A	BALANCE PRO 4S	0.07	LAA	9	99	92	0	95	95	99
	B»DEFINE 4SC	0.375	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
22A	KIH-485 3.57L	0.15	LAA	9	99	98	0	99	96	99
	B»BALANCE PRO 4S	0.094	LAA	9						
	C ATRAZINE DF	1.00	LAA	9						
		LSD (0.05)			0.00	6.00	0.00	4.50	5.83	0.00
		STANDARD DEVIATION			0.00	3.00	0.00	2.25	2.91	0.00

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 32.00 FT **LONG** **REPS:** 03

TRT	TREATMENT	DOSAGE		AMBEL	CHEAL	AMATA	PHBPU
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %
			TM	07/21/03	07/21/03	07/21/03	07/21/03
1A	BICEP II MAGNU	3.30	LAA 9	96	99	95	92
2A	STALWART EXTRA	3.30	LAA 9	91	99	85	82
3A	LUMAX 3.9L	2.46	LAA 9	92	99	97	80
4A	LUMAX 3.9L	2.46	LAA 9	97	99	99	80
	B ATRAZINE DF	1.00	LAA 9				
5A	LUMAX 3.9L	2.46	LAA 9	95	99	97	90
	B PRINCEP 4L	1.00	LAA 9				
6A	LUMAX 3.9L	2.95	LAA 9	92	99	99	90
	B»PROWL H20 3.8C	1.25	LAA 9				
7A	HARNESS EXTRA	3.30	LAA 9	90	99	97	88
8A	EPIC 4L	0.22	LAA 9	70	99	90	78
9A	EPIC 4L	0.29	LAA 9	85	99	95	80
10A	KEYSTONE 5.25L	3.28	LAA 9	77	99	92	82
11A	KEYSTONE 5.25L	3.28	LAA 9	97	99	96	88
	B»HORNET 68.5WG	0.128	LAA 9				
12A	KEYSTONE 5.25L	1.64	LAA 9	95	99	99	82
	B»BALANCE PRO 4S	0.094	LAA 9				
13A	GUARDS MAX 5L	2.88	LAA 9	80	99	92	88
14A	BICEP II MAGNU	2.89	LAA 9	95	99	92	90
15A	FULTIME 4SC	3.50	LAA 9	99	99	92	93
	B»HORNET 68.5WG	0.128	LAA 9				
16A	GUARDS MAX 5L	2.50	LAA 9	90	99	97	90
	B»BALANCE PRO 4S	0.047	LAA 9				
17A	BALANCE PRO 4S	0.07	LAA 9	90	99	96	85
	B ATRAZINE DF	1.50	LAA 9				
18A	CHECK	0.00	NA 0	0	0	0	0
19A	BALANCE PRO 4S	0.094	LAA 9	95	99	95	90
	B ATRAZINE DF	1.50	LAA 9				
20A	BALANCE PRO 4S	0.039	LAA 9	97	99	97	85
	B»DEFINE 4SC	0.375	LAA 9				
	C ATRAZINE DF	1.00	LAA 9				
21A	BALANCE PRO 4S	0.07	LAA 9	95	99	99	90
	B»DEFINE 4SC	0.375	LAA 9				
	C ATRAZINE DF	1.00	LAA 9				
22A	KIH-485 3.57L	0.15	LAA 9	99	99	99	95
	B»BALANCE PRO 4S	0.094	LAA 9				
	C ATRAZINE DF	1.00	LAA 9				
		LSD (0.05)		6.45	0.00	2.57	8.18
		STANDARD DEVIATION		3.22	0.00	1.28	4.09

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 06/05/2003 (1)

TITLE: Preemergence herbicide programs in corn C4S

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	ZEAMD	CON %	07/03/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/03/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	XANST	CON %	07/03/2003	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	POLPY	CON %	07/03/2003	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMBEL	CON %	07/03/2003	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	CHEAL	CON %	07/03/2003	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATA	CON %	07/03/2003	07	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	07/03/2003	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	07/21/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	07/21/2003	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	XANST	CON %	07/21/2003	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	CON %	07/21/2003	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMBEL	CON %	07/21/2003	05	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	CHEAL	CON %	07/21/2003	06	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	07/21/2003	07	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	PHBPU	CON %	07/21/2003	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = NK 32K61