

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
 PLOT AREA: 270 FEET

DESIGN: RCB
 REPS: 4

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	04/30/08	AME
AIR TEMPERATURE	58	F
% REL.HUMIDITY	35	
WIND DIRECTION	SOUTHEAST	
WIND SPEED	10.0	M/H
CLOUD COVER	PARTCLDY	
DEW	---	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
SCREEN SIZE	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	---/00	
PIONEER 34A20	/	IN
04/21/2008		
*** PEST ***		
VELVETLEAF	LOW/00	
	/	IN
WATERHEMP, COMMO	HGH/00	
	/	IN
RAGWEED, COMMON	MED/00	
	/	IN
LAMBSQUARTERS, C	HGH/00	
	/	IN
MORNINGGLORY, TA	HGH/00	
	/	IN
SMARTWEED, PENNS	HGH/00	
	/	IN
FOXTAIL, GIANT	MED/00	
	/	IN
COCKLEBUR, COMMO	MED/00	
	/	IN

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

* STAGE CODE
 00 = DRY SEED (CARYOPSIS)
 00 = DRY SEED (CARYOPSIS)

* STAGE CODE

00 = DRY SEED; DORMANCY

TITLE: Surestart preemergence comparisons in corn. C-500
CREATED: 04/10/2008 **REVISED:** 08/07/2008 **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
PLOT AREA: 270.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	POLPY	AMBEL	
		RATE	UNIT	TM	CON % 06/01/08	CON % 06/01/08	CON % 06/01/08	CON % 06/01/08	CON % 06/01/08	CON % 06/01/08	
1A»	SURESTART 4.16	0.91	LAA	9	0	90	91	95	81	79	
2A	HARNESS XTRA	1.82	LAA	9	0	98	99	99	97	90	
3A	BICEP II MAG	1.44	LAA	9	0	88	97	96	82	64	
4A	GUARDSMAN MAX	1.19	LAA	9	0	91	97	96	77	70	
5A	LUMAX	1.23	LAA	9	0	92	97	99	94	88	
6A»	SURESTART 4.16	1.56	LAA	9	0	99	99	99	98	99	
7A»	CORVUS 2.6SC	0.114	LAA	9	0	97	99	99	99	99	
	B ATRAZINE DF	1.50	LAA	9							
8A»	BAL FLEXX 2L	0.094	LAA	9	0	95	99	99	99	99	
	B ATRAZINE DF	1.50	LAA	9							
9A	CHECK	0.00	NA	0	0	0	0	0	0	0	
					LSL (0.05)	0.00	4.87	4.24	3.72	11.15	9.00
					STANDARD DEVIATION	0.00	2.36	2.06	1.80	5.40	4.38

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TRT NUM	TREATMENT COMPONENT	DOSAGE			ABUTH	PHBPU	XANST	ZEAMD	SETFA	CHEAL	
		RATE	UNIT	TM	CON % 06/01/08	CON % 06/01/08	CON % 06/01/08	CON % 06/12/08	CON % 06/12/08	CON % 06/12/08	
1A»	SURESTART 4.16	0.91	LAA	9	74	58	44	0	94	95	
2A	HARNESS XTRA	1.82	LAA	9	66	64	54	0	99	99	
3A	BICEP II MAG	1.44	LAA	9	53	53	35	0	90	99	
4A	GUARDSMAN MAX	1.19	LAA	9	58	60	38	0	94	99	
5A	LUMAX	1.23	LAA	9	96	73	54	0	92	98	
6A»	SURESTART 4.16	1.56	LAA	9	94	75	66	0	98	99	
7A»	CORVUS 2.6SC	0.114	LAA	9	99	96	93	0	98	99	
	B ATRAZINE DF	1.50	LAA	9							
8A»	BAL FLEXX 2L	0.094	LAA	9	99	96	92	0	94	99	
	B ATRAZINE DF	1.50	LAA	9							
9A	CHECK	0.00	NA	0	0	0	0	0	0	0	
					LSD (0.05)	10.00	9.11	11.25	0.00	3.79	2.18
					STANDARD DEVIATION	4.86	4.42	5.45	0.00	1.84	1.06

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TRT NUM	TREATMENT COMPONENT	DOSAGE			AMATA	POLPY	AMBEL	ABUTH	PHBPU	XANST	
		RATE	UNIT	TM	CON % 06/12/08	CON % 06/12/08	CON % 06/12/08	CON % 06/12/08	CON % 06/12/08	CON % 06/12/08	
1A»	SURESTART 4.16	0.91	LAA	9	96	77	63	65	44	61	
2A	HARNESS XTRA	1.82	LAA	9	99	93	72	58	60	50	
3A	BICEP II MAG	1.44	LAA	9	99	74	61	49	58	39	
4A	GUARDSMAN MAX	1.19	LAA	9	99	79	72	53	55	35	
5A	LUMAX	1.23	LAA	9	99	95	86	99	71	61	
6A»	SURESTART 4.16	1.56	LAA	9	99	94	92	90	62	86	
7A»	CORVUS 2.6SC	0.114	LAA	9	99	99	99	99	96	94	
	B ATRAZINE DF	1.50	LAA	9							
8A»	BAL FLEXX 2L	0.094	LAA	9	99	99	99	99	95	89	
	B ATRAZINE DF	1.50	LAA	9							
9A	CHECK	0.00	NA	0	0	0	0	0	0	0	
					LSD (0.05)	1.26	10.62	9.00	7.54	9.68	12.00
					STANDARD DEVIATION	0.609	5.15	4.34	3.65	4.69	5.80

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TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	POLPY	AMBEL	
		RATE	UNIT	TM	CON % 06/30/08	CON % 06/30/08	CON % 06/30/08	CON % 06/30/08	CON % 06/30/08	CON % 06/30/08	
1A»	SURESTART 4.16	0.91	LAA	9	0	90	92	86	48	5	
2A	HARNESS XTRA	1.82	LAA	9	0	95	99	98	63	30	
3A	BICEP II MAG	1.44	LAA	9	0	75	99	90	65	15	
4A	GUARDSMAN MAX	1.19	LAA	9	0	87	99	94	64	15	
5A	LUMAX	1.23	LAA	9	0	91	99	99	93	76	
6A»	SURESTART 4.16	1.56	LAA	9	0	98	99	98	80	64	
7A»	CORVUS 2.6SC	0.114	LAA	9	0	91	99	99	99	99	
	B ATRAZINE DF	1.50	LAA	9							
8A»	BAL FLEXX 2L	0.094	LAA	9	0	85	99	99	98	97	
	B ATRAZINE DF	1.50	LAA	9							
9A	CHECK	0.00	NA	0	0	0	0	0	0	0	
					LSL (0.05)	0.00	8.41	1.33	4.65	10.00	12.56
					STANDARD DEVIATION	0.00	4.08	0.646	2.25	4.86	6.09

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REPS: 04

TRT	TREATMENT	DOSAGE	ABUTH	PHBPU	XANST		
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %
				06/30/08	06/30/08	06/30/08	
1A	SURESTART 4.16	0.91	LAA	9	5	5	5
2A	HARNESS XTRA	1.82	LAA	9	18	18	13
3A	BICEP II MAG	1.44	LAA	9	5	5	5
4A	GUARDSMAN MAX	1.19	LAA	9	5	8	8
5A	LUMAX	1.23	LAA	9	97	78	73
6A	SURESTART 4.16	1.56	LAA	9	50	28	35
7A	CORVUS 2.6SC	0.114	LAA	9	99	94	92
	B ATRAZINE DF	1.50	LAA	9			
8A	BAL FLEXX 2L	0.094	LAA	9	99	90	83
	B ATRAZINE DF	1.50	LAA	9			
9A	CHECK	0.00	NA	0	0	0	0
					9.37	10.60	10.90
					4.54	5.14	5.28

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/30/2008(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	CON %	06/01/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/01/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/01/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/01/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	CON %	06/01/2008	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMBEL	CON %	06/01/2008	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ABUTH	CON %	06/01/2008	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	06/01/2008	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	XANST	CON %	06/01/2008	09	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ZEAMD	CON %	06/12/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA	CON %	06/12/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	CHEAL	CON %	06/12/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	06/12/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	POLPY	CON %	06/12/2008	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMBEL	CON %	06/12/2008	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ABUTH	CON %	06/12/2008	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU	CON %	06/12/2008	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	XANST	CON %	06/12/2008	09	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	06/30/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	06/30/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	06/30/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	AMATA	CON %	06/30/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	POLPY	CON %	06/30/2008	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	AMBEL	CON %	06/30/2008	06	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	ABUTH	CON %	06/30/2008	07	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
026	PHBPU	CON %	06/30/2008	08	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
027	XANST	CON %	06/30/2008	09	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)
 01 = PIONEER 34A20