

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	02	UNIT
TIMINGS	10	11	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/13/05	05/25/05	AME
AIR TEMPERATURE	80	72	F
% REL. HUMIDITY	40	33	
WIND DIRECTION	SOUTH	NORTH	
WIND SPEED	10.0	6.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	42.00	42.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT	---/11	---/12	
PIONEER 33P67	3.00/3.00	5.00/5.00	IN
04/28/2005			
*** PEST ***			
VELVETLEAF	---/10	---/12	
	0.50/0.50	1.00/1.00	IN
RAGWEED, COMMON	---/11	---/13	
	1.00/2.00	1.00/3.00	IN
LAMBSQUARTERS, C	---/11	---/15	
	0.50/0.50	1.00/1.00	IN
MORNINGGLORY, TA	---/10	---/11	
	0.50/0.50	1.00/1.00	IN
SMARTWEED, PENNS	---/12	---/13	
	0.50/0.50	1.00/1.00	IN
FOXTAIL, GIANT	---/11	---/12	
	1.00/2.00	1.00/3.00	IN

* TIMING CODES

10 = ----- / VEPOST
11 = ----- / EPOST

* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED
11 = FIRST LEAF UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Postemergence Evaluation of Impact for Weed Control in Corn. C-500
CREATED: 04/16/2005 **REVISED:** 11/03/2005 **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	AMBEL	CHEAL	POLPY	ABUTH
		RATE	UNIT		10 DAT 06/06/05	10 DAT 06/06/05	10 DAT 06/06/05	10 DAT 06/06/05	10 DAT 06/06/05	10 DAT 06/06/05
1A	STEADFAST 75WG	0.035	LAA	11	0	94	65	96	99	99
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
2A»	IMPACT 2.8SC	0.016	LAA	11	0	97	99	99	99	99
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
3A	CALLISTO 4SC	0.094	LAA	11	0	90	98	99	99	99
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
4A»	IMPACT 2.8SC	0.016	LAA	11	0	95	97	99	99	99
	B ACCENT 75WG	0.031	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
5A»	IMPACT 2.8SC	0.016	LAA	11	2	96	99	99	99	99
	B»OPTION 35WDG	0.033	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A»	OPTION 35WDG	0.033	LAA	11	0	98	98	99	99	99
	B DISTINCT 70SG	0.175	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
7A	CELEBRITY PLUS	0.21	LAA	11	3	95	98	97	97	98
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
8A»	IMPACT 2.8SC	0.016	LAA	10	0	98	99	99	99	99
	B OUTLOOK 6EC	0.75	LAA	10						
	C ATRAZINE DF	1.00	LAA	10						
	D»COC	1.00	PMV	10						
	E 28% UAN	2.50	PMV	10						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A	PROWL H2O 3.8	0.95	LAA	10	0	94	99	99	99	95
	B»IMPACT 2.8SC	0.016	LAA	10						
	C ATRAZINE DF	1.00	LAA	10						
	D»COC	1.00	PMV	10						
	E 28% UAN	2.50	PMV	10						
11A	LUMAX	2.47	LAA	10	0	83	99	99	99	99
	B»COC	1.00	PMV	10						
12A	STEADFAST 75WG	0.035	LAA	10	0	95	99	99	99	96
	B HORNET 68.5WG	0.128	LAA	10						
	C ATRAZINE DF	0.50	LAA	10						
	D»COC	1.00	PMV	10						
	E 28% UAN	2.50	PMV	10						
		LSD (0.05)			1.95	3.17	2.55	1.38	0.381	1.21
		STANDARD DEVIATION			0.94	1.53	1.23	0.665	0.183	0.585

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	ZEAMD	SETFA	AMBEL	CHEAL	POLPY
		RATE	UNIT		10 DAT 06/06/05	30 DAT 06/23/05	30 DAT 06/23/05	30 DAT 06/23/05	30 DAT 06/23/05	30 DAT 06/23/05
1A	STEADFAST 75WG	0.035	LAA	11	91	8	91	30	97	96
	B»MSO	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
2A»	IMPACT 2.8SC	0.016	LAA	11	98	2	89	94	99	99
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
3A	CALLISTO 4SC	0.094	LAA	11	98	5	81	97	99	99
	B STEADFAST 75WG	0.035	LAA	11						
	C ATRAZINE DF	0.25	LAA	11						
	D»COC	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
4A»	IMPACT 2.8SC	0.016	LAA	11	95	0	87	93	99	99
	B ACCENT 75WG	0.031	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
5A»	IMPACT 2.8SC	0.016	LAA	11	97	5	78	96	99	99
	B»OPTION 35WDG	0.033	LAA	11						
	C ATRAZINE DF	0.50	LAA	11						
	D»MSO	1.00	PMV	11						
	E 28% UAN	2.50	PMV	11						
6A»	OPTION 35WDG	0.033	LAA	11	98	13	88	98	99	99
	B DISTINCT 70SG	0.175	LAA	11						
	C»MSO	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
7A	CELEBRITY PLUS	0.21	LAA	11	95	18	84	97	99	99
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
8A»	IMPACT 2.8SC	0.016	LAA	10	94	0	88	86	99	99
	B OUTLOOK 6EC	0.75	LAA	10						
	C ATRAZINE DF	1.00	LAA	10						
	D»COC	1.00	PMV	10						
	E 28% UAN	2.50	PMV	10						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A	PROWL H2O 3.8	0.95	LAA	10	88	0	76	88	99	99
	B»IMPACT 2.8SC	0.016	LAA	10						
	C ATRAZINE DF	1.00	LAA	10						
	D»COC	1.00	PMV	10						
	E 28% UAN	2.50	PMV	10						
11A	LUMAX	2.47	LAA	10	94	0	72	91	99	99
	B»COC	1.00	PMV	10						
12A	STEADFAST 75WG	0.035	LAA	10	93	0	73	96	99	99
	B HORNET 68.5WG	0.128	LAA	10						
	C ATRAZINE DF	0.50	LAA	10						
	D»COC	1.00	PMV	10						
	E 28% UAN	2.50	PMV	10						
		LSD (0.05)			2.87	6.33	8.83	9.22	0.747	0.847
		STANDARD DEVIATION			1.39	3.00	4.26	4.45	0.36	0.408

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 36.00 FT LONG **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ABUTH	PHBPU	YIELD
		RATE	UNIT		30 DAT 06/23/05	30 DAT 06/23/05	BU/A 10/05/05
1A	STEADFAST 75WG	0.035	LAA	11	93	88	42.8
	B»MSO	1.00	PMV	11			
	C 28% UAN	2.50	PMV	11			
2A»	IMPACT 2.8SC	0.016	LAA	11	98	95	133.7
	B STEADFAST 75WG	0.035	LAA	11			
	C ATRAZINE DF	0.50	LAA	11			
	D»MSO	1.00	PMV	11			
	E 28% UAN	2.50	PMV	11			
3A	CALLISTO 4SC	0.094	LAA	11	99	97	141.7
	B STEADFAST 75WG	0.035	LAA	11			
	C ATRAZINE DF	0.25	LAA	11			
	D»COC	1.00	PMV	11			
	E 28% UAN	2.50	PMV	11			
4A»	IMPACT 2.8SC	0.016	LAA	11	99	92	140.6
	B ACCENT 75WG	0.031	LAA	11			
	C ATRAZINE DF	0.50	LAA	11			
	D»MSO	1.00	PMV	11			
	E 28% UAN	2.50	PMV	11			
5A»	IMPACT 2.8SC	0.016	LAA	11	98	94	139.7
	B»OPTION 35WDG	0.033	LAA	11			
	C ATRAZINE DF	0.50	LAA	11			
	D»MSO	1.00	PMV	11			
	E 28% UAN	2.50	PMV	11			
6A»	OPTION 35WDG	0.033	LAA	11	98	95	133.0
	B DISTINCT 70SG	0.175	LAA	11			
	C»MSO	1.00	PMV	11			
	D 28% UAN	2.50	PMV	11			
7A	CELEBRITY PLUS	0.21	LAA	11	98	95	132.1
	B»COC	1.00	PMV	11			
	C 28% UAN	2.50	PMV	11			
8A»	IMPACT 2.8SC	0.016	LAA	10	96	47	94.2
	B OUTLOOK 6EC	0.75	LAA	10			
	C ATRAZINE DF	1.00	LAA	10			
	D»COC	1.00	PMV	10			
	E 28% UAN	2.50	PMV	10			
9A	CHECK	0.00	NA	0	0	0	11.9
10A	PROWL H2O 3.8	0.95	LAA	10	99	47	89.6
	B»IMPACT 2.8SC	0.016	LAA	10			
	C ATRAZINE DF	1.00	LAA	10			
	D»COC	1.00	PMV	10			
	E 28% UAN	2.50	PMV	10			
11A	LUMAX	2.47	LAA	10	99	53	96.6
	B»COC	1.00	PMV	10			
12A	STEADFAST 75WG	0.035	LAA	10	99	62	83.0
	B HORNET 68.5WG	0.128	LAA	10			
	C ATRAZINE DF	0.50	LAA	10			
	D»COC	1.00	PMV	10			
	E 28% UAN	2.50	PMV	10			
		LSD (0.05)			3.00	6.60	22.12
		STANDARD DEVIATION			1.47	3.18	10.66

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

10 = ----- / VEPOST 05/13/2005(1)

* TIMING CODES

11 = ----- / EPOST 05/25/2005(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMD	10 DAT	06/06/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	10 DAT	06/06/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMBEL	10 DAT	06/06/2005	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	10 DAT	06/06/2005	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	POLPY	10 DAT	06/06/2005	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	10 DAT	06/06/2005	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	10 DAT	06/06/2005	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	30 DAT	06/23/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	30 DAT	06/23/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMBEL	30 DAT	06/23/2005	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	30 DAT	06/23/2005	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	POLPY	30 DAT	06/23/2005	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	30 DAT	06/23/2005	06	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	30 DAT	06/23/2005	07	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	YIELD	BU/A	10/05/2005	01	P	ZEAMD		RAW	ALL	YLD	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33P67