

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

DESIGN: RCB
REPS: 4

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/23/08	05/28/08	06/05/08	AME
AIR TEMPERATURE	73	61	84	F
% REL.HUMIDITY	45	42	68	
WIND DIRECTION	NORTHEAST	NORTHEAST	SOUTHWEST	
WIND SPEED	7.0	6.0	12.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
SCREEN SIZE	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
DEN/ STG/ MINMAXSZ				
*** CROP ***				
CORN, DENT		---/13	---/15	
PIONEER 34A20		6.00/6.00	12.0/16.0	IN
04/23/2008				
*** PEST ***				
VELVETLEAF		---/12	---/16	
		1.00/1.00	2.00/6.00	IN
WATERHEMP, COMMO		---/18	---/19	
		1.00/2.00	2.00/6.00	IN
LAMBSQUARTERS, C		---/19	---/19	
		1.00/3.00	2.00/6.00	IN
MORNINGGLORY, TA		---/12	---/19	
		1.00/4.00	2.00/4.00	IN
FOXTAIL, GIANT		---/12	---/16	
		1.00/4.00	4.00/10.0	IN
COCKLEBUR, COMMO		---/13	---/18	
		1.00/3.00	2.00/8.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
11 = ----- / EPOST
12 = ----- / POST

* STAGE CODE

12 = 2 LEAVES UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
16 = 6 LEAVES UNFOLDED

* STAGE CODE

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Callisto and HPPD Inhibitors for Weed Control in Corn. AS-400
CREATED: 04/10/2008 **REVISED:** 11/13/2008 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	AMATA	CHEAL	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/05/08	CON % 06/05/08	CON % 06/05/08	CON % 06/05/08	CON % 06/05/08	CON % 06/05/08
1A	DUAL II MAGNUM	0.79	LAA	9	0	91	54	55	0	0
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
2A	DUAL II MAGNUM	0.79	LAA	9	0	90	58	55	0	0
	B»IMPACT 2.8SC	0.016	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
3A	DUAL II MAGNUM	0.79	LAA	9	0	85	60	56	0	0
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
4A	DUAL II MAGNUM	0.79	LAA	9	0	87	63	60	0	0
	B»STATUS 56DG	0.175	LAA	12						
	C»COC	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
5A»	TOUCHDN TOTAL	0.78	LAA	11	0	97	98	99	99	93
	B CALLISTO 4SC	0.094	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
6A»	TOUCHDN TOTAL	0.78	LAA	11	0	98	86	99	99	87
	B»IMPACT 2.8SC	0.016	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
7A»	TOUCHDN TOTAL	0.78	LAA	11	0	98	95	99	99	83
	B»LAUDIS 3.5SC	0.082	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
8A»	TOUCHDN TOTAL	0.78	LAA	11	0	97	95	99	98	91
	B»STATUS 56DG	0.0875	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A»	TOUCHDN TOTAL	0.78	LAA	11	0	99	95	99	99	92
	B NORTHSTAR	0.074	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
11A»	TOUCHDN TOTAL	0.78	LAA	11	0	95	66	95	89	74
	B»LIQUID AMS	2.50	PMV	11						
12A»	RNDUP POWERMAX	0.77	LAA	12	0	C	C	C	C	C
	B HARNESS (7EC)	1.00	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			0.00	2.00	8.65	7.00	1.51	5.74
		STANDARD DEVIATION			0.00	1.00	4.28	3.45	0.746	2.84

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			XANST	ZEAMD	SETFA	AMATA	CHEAL	ABUTH
		RATE	UNIT	TM	CON % 06/05/08	CON % 07/01/08	CON % 07/01/08	CON % 07/01/08	CON % 07/01/08	CON % 07/01/08
1A	DUAL II MAGNUM	0.79	LAA	9	0	0	78	98	99	99
	B CALLISTO 4SC	0.094	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
2A	DUAL II MAGNUM	0.79	LAA	9	0	0	96	87	97	99
	B»IMPACT 2.8SC	0.016	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
3A	DUAL II MAGNUM	0.79	LAA	9	0	0	83	97	99	99
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C ATRAZINE DF	0.25	LAA	12						
	D»COC	0.25	PMV	12						
	E»LIQUID AMS	2.50	PMV	12						
4A	DUAL II MAGNUM	0.79	LAA	9	0	0	78	97	99	98
	B»STATUS 56DG	0.175	LAA	12						
	C»COC	0.25	PMV	12						
	D»LIQUID AMS	2.50	PMV	12						
5A»	TOUCHDN TOTAL	0.78	LAA	11	98	0	90	87	99	99
	B CALLISTO 4SC	0.094	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
6A»	TOUCHDN TOTAL	0.78	LAA	11	96	0	94	64	95	99
	B»IMPACT 2.8SC	0.016	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
7A»	TOUCHDN TOTAL	0.78	LAA	11	93	0	89	75	96	99
	B»LAUDIS 3.5SC	0.082	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
8A»	TOUCHDN TOTAL	0.78	LAA	11	97	0	86	73	95	95
	B»STATUS 56DG	0.0875	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
9A	CHECK	0.00	NA	0	0	0	0	0	0	0
10A»	TOUCHDN TOTAL	0.78	LAA	11	96	0	93	73	96	94
	B NORTHSTAR	0.074	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
11A»	TOUCHDN TOTAL	0.78	LAA	11	83	0	85	55	85	79
	B»LIQUID AMS	2.50	PMV	11						
12A»	RNDUP POWERMAX	0.77	LAA	12	C	9	97	88	98	97
	B HARNESS (7EC)	1.00	LAA	12						
	C ATRAZINE DF	1.00	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
		LSD (0.05)			2.95	1.23	6.40	9.20	3.12	2.82
		STANDARD DEVIATION			1.46	0.61	3.16	4.55	1.54	1.40

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		ABUTH CON %	PHBPU CON %	XANST CON %
		RATE	UNIT TM	07/28/08	07/28/08	07/28/08
1A	DUAL II MAGNUM	0.79	LAA 9	99	88	88
B	CALLISTO 4SC	0.094	LAA 12			
C	ATRAZINE DF	0.25	LAA 12			
D»	COC	0.25	PMV 12			
E»	LIQUID AMS	2.50	PMV 12			
2A	DUAL II MAGNUM	0.79	LAA 9	99	64	72
B»	IMPACT 2.8SC	0.016	LAA 12			
C	ATRAZINE DF	0.25	LAA 12			
D»	COC	0.25	PMV 12			
E»	LIQUID AMS	2.50	PMV 12			
3A	DUAL II MAGNUM	0.79	LAA 9	99	71	73
B»	LAUDIS 3.5SC	0.082	LAA 12			
C	ATRAZINE DF	0.25	LAA 12			
D»	COC	0.25	PMV 12			
E»	LIQUID AMS	2.50	PMV 12			
4A	DUAL II MAGNUM	0.79	LAA 9	99	83	83
B»	STATUS 56DG	0.175	LAA 12			
C»	COC	0.25	PMV 12			
D»	LIQUID AMS	2.50	PMV 12			
5A»	TOUCHDN TOTAL	0.78	LAA 11	99	82	78
B	CALLISTO 4SC	0.094	LAA 11			
C»	LIQUID AMS	2.50	PMV 11			
6A»	TOUCHDN TOTAL	0.78	LAA 11	99	70	61
B»	IMPACT 2.8SC	0.016	LAA 11			
C»	LIQUID AMS	2.50	PMV 11			
7A»	TOUCHDN TOTAL	0.78	LAA 11	99	78	71
B»	LAUDIS 3.5SC	0.082	LAA 11			
C»	LIQUID AMS	2.50	PMV 11			
8A»	TOUCHDN TOTAL	0.78	LAA 11	93	83	68
B»	STATUS 56DG	0.0875	LAA 11			
C»	LIQUID AMS	2.50	PMV 11			
9A	CHECK	0.00	NA 0	0	0	0
10A»	TOUCHDN TOTAL	0.78	LAA 11	92	82	73
B	NORTHSTAR	0.074	LAA 11			
C»	LIQUID AMS	2.50	PMV 11			
11A»	TOUCHDN TOTAL	0.78	LAA 11	74	53	53
B»	LIQUID AMS	2.50	PMV 11			
12A»	RNDUP POWERMAX	0.77	LAA 12	95	86	84
B	HARNESS (7EC)	1.00	LAA 12			
C	ATRAZINE DF	1.00	LAA 12			
D»	LIQUID AMS	2.50	PMV 12			
		LSLSD (0.05)		4.77	7.79	10.33
		STANDARD DEVIATION		2.36	3.85	5.11

» = SUPPLEMENTAL CHEMICAL ---,M,C,D = MISSING DATA

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/23/2008(1)
 11 = ----- / EPOST 05/28/2008(2)
 12 = ----- / POST 06/05/2008(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
001	ZEAMD	CON %	06/05/2008	01	P	ZEAMD	15	RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
002	SETFA	CON %	06/05/2008	02	P	SETFA	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/05/2008	03	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/05/2008	04	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/05/2008	05	P	ABUTH	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/05/2008	06	P	PHBPU	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/05/2008	07	P	XANST	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	07/01/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/01/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/01/2008	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	07/01/2008	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/01/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	07/01/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	07/01/2008	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	07/28/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/28/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	07/28/2008	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	CHEAL	CON %	07/28/2008	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/28/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	07/28/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	07/28/2008	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)

01 = PIONEER 34A20

* STAGE CODE

15 = 5 LEAVES UNFOLDED

16 = 6 LEAVES UNFOLDED

16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED