

## SOIL INFORMATION

## TRIAL INFORMATION

TEXTURE: SIL  
PH: 6.6  
%OM: 4.8  
PREV. CROP: GLXMA - SOYBEAN  
%RESIDUE: 0  
PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB  
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/07/04	06/02/04	AME
AIR TEMPERATURE	65	63	F
% REL. HUMIDITY	64	55	
WIND DIRECTION	SOUTHEAST	WEST	
WIND SPEED	5.0	3.0	M/H
CLOUD COVER	OVERCAST	CLEAR	
DEW	NO	YES	
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	6	6	
NOZZLE SPACING	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	
VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT GH 2552 05/07/2004		---/15 12.0/12.0	IN
POPCORN WEAVER #2 05/07/2004		---/15 12.0/12.0	IN

## \* TIMING CODES

09 = ----- / PREEMERGENCE  
12 = ----- / POST

## \* STAGE CODE

15 = 5 LEAVES UNFOLDED

**TITLE:** Popcorn and Field Corn Tolerance to Corn Herbicides C-200  
**CREATED:** 04/26/2004 **REVISED:** 01/07/2005 **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	ZEAME	ZEAMD	ZEAMD	ZEAMD	ZEAME	ZEAMD
		RATE	UNIT		POP 06/02/04	FIELD 06/02/04	POP 06/11/04	FIELD 06/11/04	POP 06/17/04	FIELD 06/17/04
1A	»OPTION 35WDG	0.033	LAA	12	0	0	17	5	13	2
	B»MSO	0.94	PMV	12						
	C 28% UAN	1.88	PMV	12						
2A	»DISTINCT 70WG	0.175	LAA	12	0	0	22	10	10	7
	B»MSO	0.94	PMV	12						
	C 28% UAN	1.88	PMV	12						
3A	»CALLISTO 4SC	0.094	LAA	12	0	0	22	2	5	0
	B»MSO	0.94	PMV	12						
	C 28% UAN	1.88	PMV	12						
4A	»OPTION 35WDG	0.033	LAA	12	0	0	15	5	10	3
	B»DISTINCT 70WG	0.175	LAA	12						
	C»MSO	0.94	PMV	12						
	D 28% UAN	1.88	PMV	12						
5A	»OPTION 35WDG	0.033	LAA	12	0	0	18	3	20	3
	B»DISTINCT 70WG	0.088	LAA	12						
	C»MSO	0.94	PMV	12						
	D 28% UAN	1.88	PMV	12						
6A	»OPTION 35WDG	0.033	LAA	12	0	0	7	2	12	2
	B»CALLISTO 4SC	0.094	LAA	12						
	C»MSO	0.94	PMV	12						
	D 28% UAN	1.88	PMV	12						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A	»OPTION 35WDG	0.033	LAA	12	0	0	13	3	8	5
	B»CALLISTO 4SC	0.047	LAA	12						
	C»MSO	0.94	PMV	12						
	D 28% UAN	1.88	PMV	12						
9A	»EQUIP 62WG	0.058	LAA	12	0	0	17	5	12	0
	B»MSO	0.94	PMV	12						
	C 28% UAN	1.88	PMV	12						
10A	»ATRAZINE DF	0.75	LAA	12	0	0	2	0	2	0
	B»STARANE 1.5L	0.125	LAA	12						
	C»COC	1.00	PMV	12						
11A	»PROWL H20 3.8C	1.90	LAA	9	0	0	5	0	0	0
	B»CALLISTO 4SC	0.094	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	1.25	PMV	12						
12A	»PROWL H20 3.8C	1.19	LAA	12	0	0	8	0	0	0
	B»CALLISTO 4SC	0.094	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	1.25	PMV	12						
13A	»SURPASS 6.4	2.00	LAA	9	0	0	2	0	0	0
	B»STARANE 1.5L	0.125	LAA	12						
14A	»SURPASS 6.4	2.00	LAA	9	0	0	2	0	2	0
	B»STARANE 1.5L	0.125	LAA	12						
	C»DISTINCT 70WG	0.088	LAA	12						
15A	»SURPASS 6.4	2.00	LAA	9	0	0	0	0	0	0
	B»GF-1203 1.5L	0.24	LAA	12						
16A	»GF-1203 1.5L	0.24	LAA	12	0	0	10	3	7	2
	B»OPTION 35WDG	0.033	LAA	12						
	C»MSO	0.94	PMV	12						
17A	»OPTION 35WDG	0.016	LAA	12	0	0	5	2	3	0
	B ACCENT 75WG	0.016	LAA	12						
	C»CALLISTO 4SC	0.094	LAA	12						
	D»MSO	0.94	PMV	12						

## TITLE: Popcorn and Field Corn Tolerance to Corn Herbicides C-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAME	ZEAMD	ZEAMD	ZEAMD	ZEAME	ZEAMD
		RATE	UNIT TM	POP 06/02/04	FIELD 06/02/04	POP 06/11/04	FIELD 06/11/04	POP 06/17/04	FIELD 06/17/04
18A	ACCENT 75WG	0.016	LAA 12	0	0	0	2	0	0
	B»CALLISTO 4SC	0.094	LAA 12						
	C»COC	1.00	PMV 12						
19A	CAMIX 3.66L	2.20	LAA 12	0	0	12	7	5	3
	B»OPTION 35WDG	0.016	LAA 12						
	C»MSO	0.94	PMV 12						
20A	PRIORITY 62.5W	0.039	LAA 12	0	0	7	5	2	0
	B»COC	1.00	PMV 12						
	C 28% UAN	1.88	PMV 12						
21A	PRIORITY 62.5W	0.039	LAA 12	0	0	15	5	7	3
	B»OPTION 35WDG	0.033	LAA 12						
	C»MSO	0.94	PMV 12						
	D 28% UAN	1.88	PMV 12						
22A	KIH-485 60WG	0.22	LAA 12	0	0	2	0	0	0
23A	LEXAR 3.7L	2.76	LAA 9	6	0	0	0	0	0
24A	USA 2005 4L	0.63	LAA 9	7	0	0	0	0	0
			LSD (0.05)	1.64	0.00	5.94	3.10	5.94	3.39
			STANDARD DEVIATION	0.821	0.00	3.00	1.55	3.00	1.69

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**CREATED:** 04/26/2004 **REVISED:** 01/07/2005 **COMPLETED:** N  
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**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	ZEAME	ZEAMD	ZEAME	ZEAMD
		RATE	UNIT		POP 06/24/04	FIELD 06/24/04	POP 07/06/04	FIELD 07/06/04
1A	»OPTION 35WDG	0.033	LAA 12		7	0	0	0
	B»MSO	0.94	PMV 12					
	C 28% UAN	1.88	PMV 12					
2A	»DISTINCT 70WG	0.175	LAA 12		7	5	3	3
	B»MSO	0.94	PMV 12					
	C 28% UAN	1.88	PMV 12					
3A	»CALLISTO 4SC	0.094	LAA 12		3	0	0	0
	B»MSO	0.94	PMV 12					
	C 28% UAN	1.88	PMV 12					
4A	»OPTION 35WDG	0.033	LAA 12		8	3	0	0
	B»DISTINCT 70WG	0.175	LAA 12					
	C»MSO	0.94	PMV 12					
	D 28% UAN	1.88	PMV 12					
5A	»OPTION 35WDG	0.033	LAA 12		8	0	0	0
	B»DISTINCT 70WG	0.088	LAA 12					
	C»MSO	0.94	PMV 12					
	D 28% UAN	1.88	PMV 12					
6A	»OPTION 35WDG	0.033	LAA 12		3	2	0	0
	B»CALLISTO 4SC	0.094	LAA 12					
	C»MSO	0.94	PMV 12					
	D 28% UAN	1.88	PMV 12					
7A	CHECK	0.00	NA 0		0	0	0	0
8A	»OPTION 35WDG	0.033	LAA 12		5	3	3	2
	B»CALLISTO 4SC	0.047	LAA 12					
	C»MSO	0.94	PMV 12					
	D 28% UAN	1.88	PMV 12					
9A	»EQUIP 62WG	0.058	LAA 12		3	0	2	0
	B»MSO	0.94	PMV 12					
	C 28% UAN	1.88	PMV 12					
10A	»ATRAZINE DF	0.75	LAA 12		0	0	0	0
	B»STARANE 1.5L	0.125	LAA 12					
	C»COC	1.00	PMV 12					
11A	»PROWL H20 3.8C	1.90	LAA 9		2	0	0	0
	B»CALLISTO 4SC	0.094	LAA 12					
	C»COC	1.00	PMV 12					
	D 28% UAN	1.25	PMV 12					
12A	»PROWL H20 3.8C	1.19	LAA 12		0	0	0	0
	B»CALLISTO 4SC	0.094	LAA 12					
	C»COC	1.00	PMV 12					
	D 28% UAN	1.25	PMV 12					
13A	»SURPASS 6.4	2.00	LAA 9		0	0	0	0
	B»STARANE 1.5L	0.125	LAA 12					
14A	»SURPASS 6.4	2.00	LAA 9		0	0	0	0
	B»STARANE 1.5L	0.125	LAA 12					
	C»DISTINCT 70WG	0.088	LAA 12					
15A	»SURPASS 6.4	2.00	LAA 9		0	0	0	0
	B»GF-1203 1.5L	0.24	LAA 12					
16A	»GF-1203 1.5L	0.24	LAA 12		7	2	2	0
	B»OPTION 35WDG	0.033	LAA 12					
	C»MSO	0.94	PMV 12					
17A	»OPTION 35WDG	0.016	LAA 12		2	0	0	0
	B ACCENT 75WG	0.016	LAA 12					
	C»CALLISTO 4SC	0.094	LAA 12					
	D»MSO	0.94	PMV 12					

TITLE: Popcorn and Field Corn Tolerance to Corn Herbicides C-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAME	ZEAMD	ZEAME	ZEAMD
		RATE	UNIT	POP 06/24/04	FIELD 06/24/04	POP 07/06/04	FIELD 07/06/04
18A	ACCENT 75WG	0.016	LAA 12	0	2	0	0
	B>>CALLISTO 4SC	0.094	LAA 12				
	C>>COC	1.00	PMV 12				
19A	>>CAMIX 3.66L	2.20	LAA 12	2	2	0	0
	B>>OPTION 35WDG	0.016	LAA 12				
	C>>MSO	0.94	PMV 12				
20A	>>PRIORITY 62.5W	0.039	LAA 12	2	2	0	0
	B>>COC	1.00	PMV 12				
	C 28% UAN	1.88	PMV 12				
21A	>>PRIORITY 62.5W	0.039	LAA 12	8	5	3	3
	B>>OPTION 35WDG	0.033	LAA 12				
	C>>MSO	0.94	PMV 12				
	D 28% UAN	1.88	PMV 12				
22A	>>KIH-485 60WG	0.22	LAA 12	0	0	0	0
23A	>>LEXAR 3.7L	2.76	LAA 9	0	0	0	0
24A	>>USA 2005 4L	0.63	LAA 9	0	0	0	0
	LSD (0.05)			4.58	3.33	2.16	1.65
	STANDARD DEVIATION			2.29	1.67	1.08	0.827

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
09 = ----- / PREEMERGENCE 05/07/2004(1)  
12 = ----- / POST 06/02/2004(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAME	POP	06/02/2004	01	P	ZEAME	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	FIELD	06/02/2004	02	P	ZEAMD	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ZEAMD	POP	06/11/2004	01	P	ZEAME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ZEAMD	FIELD	06/11/2004	02	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAME	POP	06/17/2004	01	P	ZEAME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	FIELD	06/17/2004	02	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAME	POP	06/24/2004	01	P	ZEAME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	FIELD	06/24/2004	02	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAME	POP	07/06/2004	01	P	ZEAME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ZEAMD	FIELD	07/06/2004	02	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = WEAVER #2  
02 = GH 2552

\* STAGE CODE

15 = 5 LEAVES UNFOLDED