

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.0  
 %OM: 6.0  
 PREV. CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	11	13	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	06/07/02	06/17/02	AME
AIR TEMPERATURE	78	67	F
% REL. HUMIDITY	62	67	
WIND DIRECTION	SOUTH	WEST	
WIND SPEED	6.0	2.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	
DEW	DRY	DRY	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
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			
*** PEST ***			
RAGWEED, COMMON	HGH/16 4.00/4.00	HGH/18 9.00/9.00	IN
RAGWEED, GIANT	HGH/18 6.00/6.00	HGH/19 12.0/16.0	IN
LAMBSQUARTERS, C	HGH/16 2.00/2.00	HGH/19 6.00/6.00	IN
SMARTWEED, PENNS	MED/14 3.00/3.00	MED/18 8.00/10.0	IN
CORN, DENT DEKALB 58-78YG 05/04/2002	---/13 5.00/5.00	---/17 17.0/17.0	IN

\* TIMING CODES

11 = ----- / EPOST  
 13 = ----- / LPOST

\* STAGE CODE

13 = 3 LEAVES UNFOLDED  
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7 LEAVES UNFOLDED  
 18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

**TITLE:** Callisto and Distinct Tank-Mixes in Corn S-1400-S  
**CREATED:** 04/19/2002 **REVISED:** 11/05/2002 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** Dekalb **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			ZEAMD	ZEAMD	AMBTR	AMBEL	CHEAL	POLPY
		RATE	UNIT	TM	BU/A 06/12/02	CON % 06/20/02	CON % 06/20/02	CON % 06/20/02	CON % 06/20/02	CON % 06/20/02
1A»	CALLISTO 4SC	0.094	LAA	11	13	0	97	90	99	99
B»	COC	1.00	PMV	11						
C	28% UAN	2.50	PMV	11						
2A»	CALLISTO 4SC	0.094	LAA	11	12	0	98	99	99	99
B»	DISTINCT 70WG	0.04	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
3A»	CALLISTO 4SC	0.094	LAA	11	12	0	99	99	99	99
B»	DISTINCT 70WG	0.08	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
4A»	CALLISTO 4SC	0.094	LAA	11	10	0	99	99	99	99
B»	DISTINCT 70WG	0.13	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
5A»	CALLISTO 4SC	0.094	LAA	11	10	0	99	99	99	99
B»	DISTINCT 70WG	0.175	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
6A»	CALLISTO 4SC	0.047	LAA	11	0	0	99	99	99	99
B»	DISTINCT 70WG	0.175	LAA	11						
C»	COC	1.00	PMV	11						
D	28% UAN	2.50	PMV	11						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A»	CALLISTO 4SC	0.094	LAA	13						
B»	COC	1.00	PMV	13						
C	28% UAN	2.50	PMV	13						
9A»	CALLISTO 4SC	0.094	LAA	13						
B»	DISTINCT 70WG	0.04	LAA	13						
C»	COC	1.00	PMV	13						
D	28% UAN	2.50	PMV	13						
10A»	CALLISTO 4SC	0.094	LAA	13						
B»	DISTINCT 70WG	0.08	LAA	13						
C»	COC	1.00	PMV	13						
D	28% UAN	2.50	PMV	13						
11A»	CALLISTO 4SC	0.094	LAA	13						
B»	DISTINCT 70WG	0.13	LAA	13						
C»	COC	1.00	PMV	13						
D	28% UAN	2.50	PMV	13						
12A»	CALLISTO 4SC	0.094	LAA	13						
B»	DISTINCT 70WG	0.175	LAA	13						
C»	COC	1.00	PMV	13						
D	28% UAN	2.50	PMV	13						
LSD (0.05)					2.39	0.00	1.27	0.00	0.00	0.00
STANDARD DEVIATION					1.15	0.00	0.61	0.00	0.00	0.00

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TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	AMBTR	AMBEL	CHEAL	POLPY	ZEAMD
		RATE	UNIT	TM	CON % 06/27/02	CON % 06/27/02	CON % 06/27/02	CON % 06/27/02	CON % 06/27/02	CON % 07/16/02
1A»	CALLISTO 4SC	0.094	LAA	11	0	89	75	99	99	0
	B»COC	1.00	PMV	11						
	C 28% UAN	2.50	PMV	11						
2A»	CALLISTO 4SC	0.094	LAA	11	0	93	99	99	99	0
	B»DISTINCT 70WG	0.04	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
3A»	CALLISTO 4SC	0.094	LAA	11	0	95	99	99	99	0
	B»DISTINCT 70WG	0.08	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
4A»	CALLISTO 4SC	0.094	LAA	11	0	95	99	98	99	0
	B»DISTINCT 70WG	0.13	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
5A»	CALLISTO 4SC	0.094	LAA	11	0	96	99	99	99	0
	B»DISTINCT 70WG	0.175	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
6A»	CALLISTO 4SC	0.047	LAA	11	0	98	99	99	99	0
	B»DISTINCT 70WG	0.175	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
7A	CHECK	0.00	NA	0	0	0	0	0	0	0
8A»	CALLISTO 4SC	0.094	LAA	13	0	60	50	57	53	0
	B»COC	1.00	PMV	13						
	C 28% UAN	2.50	PMV	13						
9A»	CALLISTO 4SC	0.094	LAA	13	0	78	75	86	87	0
	B»DISTINCT 70WG	0.04	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
10A»	CALLISTO 4SC	0.094	LAA	13	0	89	90	94	96	0
	B»DISTINCT 70WG	0.08	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
11A»	CALLISTO 4SC	0.094	LAA	13	0	89	92	91	96	0
	B»DISTINCT 70WG	0.13	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
12A»	CALLISTO 4SC	0.094	LAA	13	0	94	96	96	97	0
	B»DISTINCT 70WG	0.175	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
LSD (0.05)					0.00	6.10	4.90	4.52	3.45	0.00
STANDARD DEVIATION					0.00	2.92	2.35	2.17	1.65	0.00

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**PLOT SIZE:** 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT	TREATMENT	DOSAGE	AMBTR	AMBEL	CHEAL	POLPY	ZEAMD	
NUM	COMPONENT	RATE	CON %	CON %	CON %	CON %	CON %	
		UNIT	07/16/02	07/16/02	07/16/02	07/16/02	10/22/02	
1A»	CALLISTO 4SC	0.094	LAA 11	83	75	99	99	194.1
	B»COC	1.00	PMV 11					
	C 28% UAN	2.50	PMV 11					
2A»	CALLISTO 4SC	0.094	LAA 11	93	98	99	99	199.1
	B»DISTINCT 70WG	0.04	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
3A»	CALLISTO 4SC	0.094	LAA 11	92	99	99	99	211.9
	B»DISTINCT 70WG	0.08	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
4A»	CALLISTO 4SC	0.094	LAA 11	91	99	99	99	222.8
	B»DISTINCT 70WG	0.13	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
5A»	CALLISTO 4SC	0.094	LAA 11	95	99	99	99	217.0
	B»DISTINCT 70WG	0.175	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
6A»	CALLISTO 4SC	0.047	LAA 11	96	99	99	99	217.4
	B»DISTINCT 70WG	0.175	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
7A	CHECK	0.00	NA 0	0	0	0	0	4.2
8A»	CALLISTO 4SC	0.094	LAA 13	74	68	90	99	116.8
	B»COC	1.00	PMV 13					
	C 28% UAN	2.50	PMV 13					
9A»	CALLISTO 4SC	0.094	LAA 13	92	92	99	99	142.2
	B»DISTINCT 70WG	0.04	LAA 13					
	C»COC	1.00	PMV 13					
	D 28% UAN	2.50	PMV 13					
10A»	CALLISTO 4SC	0.094	LAA 13	96	96	99	99	174.7
	B»DISTINCT 70WG	0.08	LAA 13					
	C»COC	1.00	PMV 13					
	D 28% UAN	2.50	PMV 13					
11A»	CALLISTO 4SC	0.094	LAA 13	95	94	99	99	161.1
	B»DISTINCT 70WG	0.13	LAA 13					
	C»COC	1.00	PMV 13					
	D 28% UAN	2.50	PMV 13					
12A»	CALLISTO 4SC	0.094	LAA 13	99	99	99	99	176.6
	B»DISTINCT 70WG	0.175	LAA 13					
	C»COC	1.00	PMV 13					
	D 28% UAN	2.50	PMV 13					
		LSD (0.05)		4.29	3.85	0.00	0.00	22.28
		STANDARD DEVIATION		2.06	1.85	0.00	0.00	10.68

» = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 11 = ----- / EPOST 06/07/2002(1)  
 13 = ----- / LPOST 06/17/2002(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
01	ZEAMD	BU/A	06/12/2002	01	P	ZEAMD		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
02	ZEAMD	CON %	06/20/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	AMBTR	CON %	06/20/2002	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	AMBEL	CON %	06/20/2002	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	CHEAL	CON %	06/20/2002	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	POLPY	CON %	06/20/2002	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	ZEAMD	CON %	06/27/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	AMBTR	CON %	06/27/2002	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	AMBEL	CON %	06/27/2002	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	CHEAL	CON %	06/27/2002	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	POLPY	CON %	06/27/2002	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
12	ZEAMD	CON %	07/16/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
13	AMBTR	CON %	07/16/2002	02	P	AMBTR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
14	AMBEL	CON %	07/16/2002	03	P	AMBEL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
15	CHEAL	CON %	07/16/2002	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
16	POLPY	CON %	07/16/2002	05	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
17	ZEAMD	CON %	10/22/2002	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 58-78YG