

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

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	11	13	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/21/03	06/04/03	AME
AIR TEMPERATURE	59	68	F
% REL.HUMIDITY	45	40	
WIND DIRECTION	NORTHEAST	NORTHWEST	
WIND SPEED	7.0	5.0	M/H
CLOUD COVER	CLEAR	PARTCLDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
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	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
DN/SG/MMZ			
*** CROP ***			
CORN, DENT	---/14	---/16	
G8523IT	8.00/8.00	16.0/16.0	IN
04/18/2003			
*** PEST ***			
VELVETLEAF	---/12	---/17	
	1.00/2.00	2.00/8.00	IN
WATERHEMP, COMMO	---/18	---/19	
	1.00/3.00	4.00/10.0	IN
LAMBSQUARTERS, C	---/18	---/19	
	2.00/4.00	4.00/12.0	IN
COCKLEBUR, COMMO	---/12	---/16	
	2.00/2.00	2.00/6.00	IN

* TIMING CODES

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

* STAGE CODE

12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 14 = 4 LEAVES UNFOLDED
 16 = 6 LEAVES UNFOLDED
 17 = 7TH 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 Distinct Tank-Mixes in Corn AS-400
CREATED: 04/14/2003 **REVISED:** 11/05/2003 **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 **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	CHEAL	AMATA	XANST	ABUTH	ZEAMD
		RATE	UNIT		CON % 06/16/03	CON % 06/16/03	CON % 06/16/03	CON % 06/16/03	10 DAT 06/16/03	CON % 06/30/03
1A»	CALLISTO 4SC	0.094	LAA 11		1	63	78	63	82	0
	B»COC	1.00	PMV 11							
	C 28% UAN	2.50	PMV 11							
2A»	CALLISTO 4SC	0.094	LAA 11		2	78	85	80	85	0
	B»DISTINCT 70WG	0.044	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							
3A»	CALLISTO 4SC	0.094	LAA 11		1	82	90	90	90	0
	B»DISTINCT 70WG	0.088	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							
4A»	CALLISTO 4SC	0.094	LAA 11		2	83	95	90	87	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		1	85	95	92	92	0
	B»DISTINCT 70WG	0.175	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							
6A»	DISTINCT 70WG	0.175	LAA 11		1	73	77	78	68	0
	B»COC	1.00	PMV 11							
	C 28% UAN	2.50	PMV 11							
7A»	DISTINCT 70WG	0.175	LAA 11		1	82	88	83	83	0
	B»CALLISTO 4SC	0.07	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							
8A»	DISTINCT 70WG	0.175	LAA 11		1	80	92	85	88	0
	B»CALLISTO 4SC	0.047	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							
9A»	DISTINCT 70WG	0.175	LAA 11		1	80	90	88	88	0
	B»CALLISTO 4SC	0.024	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							
10A»	DISTINCT 70WG	0.088	LAA 11		1	73	82	83	80	0
	B»CALLISTO 4SC	0.047	LAA 11							
	C»COC	1.00	PMV 11							
	D 28% UAN	2.50	PMV 11							
11A»	DISTINCT 70WG	0.088	LAA 11		1	92	95	95	95	0
	B»CALLISTO 4SC	0.047	LAA 11							
	C ATRAZINE DF	0.25	LAA 11							
	D»COC	1.00	PMV 11							
	E 28% UAN	2.50	PMV 11							
12A»	CALLISTO 4SC	0.094	LAA 13		0	42	42	33	32	0
	B»COC	1.00	PMV 13							
	C 28% UAN	2.50	PMV 13							
13A»	CALLISTO 4SC	0.094	LAA 13		0	78	77	60	78	0
	B»DISTINCT 70WG	0.044	LAA 13							
	C»COC	1.00	PMV 13							
	D 28% UAN	2.50	PMV 13							
14A»	CALLISTO 4SC	0.094	LAA 13		0	83	78	72	83	0
	B»DISTINCT 70WG	0.088	LAA 13							
	C»COC	1.00	PMV 13							
	D 28% UAN	2.50	PMV 13							

TITLE: Callisto and Distinct Tank-Mixes in Corn AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	CHEAL	AMATA	XANST	ABUTH	ZEAMD
		RATE	UNIT		CON % 06/16/03	CON % 06/16/03	CON % 06/16/03	CON % 06/16/03	10 DAT 06/16/03	CON % 06/30/03
15A»	CALLISTO 4SC	0.094	LAA	13	0	88	83	78	90	0
	B»DISTINCT 70WG	0.13	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
16A»	CALLISTO 4SC	0.094	LAA	13	0	90	90	93	90	0
	B»DISTINCT 70WG	0.175	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
17A»	DISTINCT 70WG	0.175	LAA	13	0	83	78	82	77	0
	B»COC	1.00	PMV	13						
	C 28% UAN	2.50	PMV	13						
18A	CHECK	0.00	NA	0	0	0	0	0	0	0
19A»	DISTINCT 70WG	0.175	LAA	13	0	88	82	77	90	0
	B»CALLISTO 4SC	0.07	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
20A»	DISTINCT 70WG	0.175	LAA	13	2	73	87	90	93	0
	B»CALLISTO 4SC	0.047	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
21A»	DISTINCT 70WG	0.175	LAA	13	0	90	85	77	87	0
	B»CALLISTO 4SC	0.024	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
22A»	DISTINCT 70WG	0.088	LAA	13	0	90	88	78	90	0
	B»CALLISTO 4SC	0.047	LAA	13						
	C»COC	1.00	PMV	13						
	D 28% UAN	2.50	PMV	13						
		LSD (0.05)			1.17	4.36	5.08	4.53	5.07	0.00
		STANDARD DEVIATION			0.584	2.18	2.54	2.27	2.53	0.00

TITLE: Callisto and Distinct Tank-Mixes in Corn AS-400
CREATED: 04/14/2003 **REVISED:** 11/05/2003 **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 **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	CHEAL	AMATA	XANST	ABUTH
		RATE	UNIT		CON % 06/30/03	CON % 06/30/03	CON % 06/30/03	CON % 06/30/03
1A»	CALLISTO 4SC	0.094	LAA 11		99	96	93	99
	B»COC	1.00	PMV 11					
	C 28% UAN	2.50	PMV 11					
2A»	CALLISTO 4SC	0.094	LAA 11		99	93	99	99
	B»DISTINCT 70WG	0.044	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
3A»	CALLISTO 4SC	0.094	LAA 11		99	96	99	99
	B»DISTINCT 70WG	0.088	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
4A»	CALLISTO 4SC	0.094	LAA 11		99	92	93	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		99	93	96	99
	B»DISTINCT 70WG	0.175	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
6A»	DISTINCT 70WG	0.175	LAA 11		90	75	96	93
	B»COC	1.00	PMV 11					
	C 28% UAN	2.50	PMV 11					
7A»	DISTINCT 70WG	0.175	LAA 11		96	80	99	99
	B»CALLISTO 4SC	0.07	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
8A»	DISTINCT 70WG	0.175	LAA 11		96	78	99	99
	B»CALLISTO 4SC	0.047	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
9A»	DISTINCT 70WG	0.175	LAA 11		95	77	87	99
	B»CALLISTO 4SC	0.024	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
10A»	DISTINCT 70WG	0.088	LAA 11		96	78	96	99
	B»CALLISTO 4SC	0.047	LAA 11					
	C»COC	1.00	PMV 11					
	D 28% UAN	2.50	PMV 11					
11A»	DISTINCT 70WG	0.088	LAA 11		99	85	99	99
	B»CALLISTO 4SC	0.047	LAA 11					
	C ATRAZINE DF	0.25	LAA 11					
	D»COC	1.00	PMV 11					
	E 28% UAN	2.50	PMV 11					
12A»	CALLISTO 4SC	0.094	LAA 13		73	75	80	99
	B»COC	1.00	PMV 13					
	C 28% UAN	2.50	PMV 13					
13A»	CALLISTO 4SC	0.094	LAA 13		85	78	99	99
	B»DISTINCT 70WG	0.044	LAA 13					
	C»COC	1.00	PMV 13					
	D 28% UAN	2.50	PMV 13					
14A»	CALLISTO 4SC	0.094	LAA 13		92	82	99	99
	B»DISTINCT 70WG	0.088	LAA 13					
	C»COC	1.00	PMV 13					
	D 28% UAN	2.50	PMV 13					

TITLE: Callisto and Distinct Tank-Mixes in Corn AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	CHEAL CON % 06/30/03	AMATA CON % 06/30/03	XANST CON % 06/30/03	ABUTH CON % 06/30/03	
15A»	CALLISTO 4SC	0.094	LAA	13	95	83	99	99	
B»	DISTINCT 70WG	0.13	LAA	13					
C»	COC	1.00	PMV	13					
D	28% UAN	2.50	PMV	13					
16A»	CALLISTO 4SC	0.094	LAA	13	95	85	99	99	
B»	DISTINCT 70WG	0.175	LAA	13					
C»	COC	1.00	PMV	13					
D	28% UAN	2.50	PMV	13					
17A»	DISTINCT 70WG	0.175	LAA	13	85	77	99	99	
B»	COC	1.00	PMV	13					
C	28% UAN	2.50	PMV	13					
18A	CHECK	0.00	NA	0	0	0	0	0	
19A»	DISTINCT 70WG	0.175	LAA	13	93	80	99	99	
B»	CALLISTO 4SC	0.07	LAA	13					
C»	COC	1.00	PMV	13					
D	28% UAN	2.50	PMV	13					
20A»	DISTINCT 70WG	0.175	LAA	13	99	80	99	99	
B»	CALLISTO 4SC	0.047	LAA	13					
C»	COC	1.00	PMV	13					
D	28% UAN	2.50	PMV	13					
21A»	DISTINCT 70WG	0.175	LAA	13	87	78	99	99	
B»	CALLISTO 4SC	0.024	LAA	13					
C»	COC	1.00	PMV	13					
D	28% UAN	2.50	PMV	13					
22A»	DISTINCT 70WG	0.088	LAA	13	85	80	99	99	
B»	CALLISTO 4SC	0.047	LAA	13					
C»	COC	1.00	PMV	13					
D	28% UAN	2.50	PMV	13					
					LS D (0.05)	3.29	7.91	4.77	1.87
					STANDARD DEVIATION	1.63	3.91	2.36	0.926

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 11 = ----- / EPOST 05/21/2003(1)
 13 = ----- / LPOST 06/04/2003(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	CON %	06/16/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	CHEAL	CON %	06/16/2003	02	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/16/2003	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST	CON %	06/16/2003	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	10 DAT	06/16/2003	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/30/2003	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	CHEAL	CON %	06/30/2003	02	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	06/30/2003	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	XANST	CON %	06/30/2003	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	06/30/2003	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = G8523IT