

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE:
PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
REPS: 4

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMXSPR	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	04/26/00	05/22/00	06/01/00	AME
AIR TEMPERATURE	70	62	85	F
% REL. HUMIDITY	30	85	80	
WIND DIRECTION	NORTHWEST	SOUTHWEST	SOUTHWEST	
WIND SPEED	5.0	4.0	5.0	M/H
CLOUD COVER	CLOUDY	PARTCLDY	CLOUDY	
DEW	---	MOIST	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMPRSCO2	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	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		---/12	---/14	
PIONEER 33G28LL		5.00/5.00	15.0/15.0	IN
04/26/2000				
*** PEST ***				
VELVETLEAF		---/11	---/13	
		1.00/1.00	3.00/3.00	IN
FIGWEED, SMOOTH		---/15	---/18	
		2.00/2.00	3.00/3.00	IN
MORNINGGLORY, TA		---/12	---/15	
		1.00/1.00	2.00/2.00	IN
FOXTAIL, GIANT		---/11	---/12	
		1.00/1.00	2.00/2.00	IN

* TIMING CODES

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

* STAGE CODE

11 = FIRST LEAF UNFOLDED
12 = 2 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: CLLBAL BALANCE AND LIBERTY FOR WEED CONTROL IN LLCORN AS-100
CREATED: 04/12/2000 **REVISED:** 11/03/2000 **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:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	AMACH	ABUTH	PHBPU	ZEAMD
		RATE	UNIT		05/12/00	05/12/00	05/12/00	05/12/00	05/12/00	06/12/00
1A»	BICEP II MAGNU	2.89	LAA	9	0	98	99	97	96	0
2A»	BALANCE PRO 4S	0.094	LAA	9	0	99	99	99	97	0
B»	BICEP II MAGNU	2.89	LAA	9						
3A»	BALANCE PRO 4S	0.094	LAA	9	0	99	99	99	97	0
B	ATRAZINE DF	1.00	LAA	9						
4A»	EPIC 58DF	0.44	LAA	9	0	98	99	99	97	0
B	ATRAZINE DF	1.25	LAA	9						
5A	ATRAZINE DF	1.00	LAA	9	0	87	99	90	91	0
B»	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.50	LAA	12						
D	AM. SULFATE	17.00	PMG	12						
6A»	BALANCE PRO 4S	0.055	LAA	9	0	95	99	99	91	0
B»	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.75	LAA	12						
D	AM. SULFATE	17.00	PMG	12						
7A»	AXIOM	0.51	LAA	9	0	97	99	97	91	0
B»	LIBERTY	0.31	LAA	12						
C	ATRAZINE DF	0.75	LAA	12						
D	AM. SULFATE	17.00	PMG	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	BALANCE PRO 4S	0.055	LAA	9	0	96	99	99	97	0
B	ATRAZINE DF	0.75	LAA	9						
C»	LIBERTY	0.31	LAA	12						
D	ATRAZINE DF	0.75	LAA	12						
E	AM. SULFATE	17.00	PMG	12						
10A»	BALANCE PRO 4S	0.063	LAA	9	0	99	99	99	97	0
B	ATRAZINE DF	1.50	LAA	9						
C»	LIBERTY	0.36	LAA	12						
D	AM. SULFATE	17.00	PMG	12						
11A»	BALANCE PRO 4S	0.055	LAA	9	0	98	99	99	94	0
B	ATRAZINE DF	0.75	LAA	9						
C»	LIBERTY	0.31	LAA	12						
D	AM. SULFATE	17.00	PMG	12						
12A»	BALANCE PRO 4S	0.055	LAA	9	0	75	88	99	90	0
B»	LIBERTY	0.36	LAA	12						
C	AM. SULFATE	17.00	PMG	12						
13A»	LEADOFF 5SE	0.94	LAA	9	0	97	99	93	93	8
B»	BASIS GOLD 90D	0.79	LAA	12						
C»	COC	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
14A»	BICEP II MAGNU	2.89	LAA	9	0	97	99	98	96	0
B»	NORTHSTAR 47.4	0.148	LAA	12						
C»	COC	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
15A»	BICEP II MAGNU	2.89	LAA	9	0	99	99	93	96	0
B»	ZA1296 4SC	0.094	LAA	12						
C»	COC	1.00	PMV	12						
D	28% UAN	2.50	PMV	12						
16A»	FRONTIER 6.0EC	1.17	LAA	9	0	97	99	89	88	3
B»	DISTINCT 70WG	0.175	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D	28% UAN	2.50	PMV	12						

TITLE: CLLBAL BALANCE AND LIBERTY FOR WEED CONTROL IN LLCORN AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD 05/12/00	SETFA 05/12/00	AMACH 05/12/00	ABUTH 05/12/00	PHBPU 05/12/00	ZEAMD 06/12/00
		RATE	UNIT							
17A»	FULTIME 4SC	3.00	LAA	9	0	99	99	96	93	0
	B»HORNET 68.5WG	0.128	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
18A»	DUAL II MAGNUM	1.91	LAA	9	0	99	99	89	91	0
	B»SPIRIT 57WG	0.036	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
19A»	LIBERTY ATZ 4.	1.35	LAA	11	0	0	0	0	0	0
	B AM. SULFATE	17.00	PMG	11						
20A»	ACCENT GOLD 83	0.152	LAA	0	0	0	0	0	0	0
	B»DPX79406 75DF	0.024	LAA	11						
	C»HORNET 68.5WG	0.128	LAA	11						
	D CLARITY	0.125	LAA	11						
	E»COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
21A»	LIBERTY	0.26	LAA	11	0	0	0	0	0	0
	B»ZA1296 4SC	0.094	LAA	11						
	C AM. SULFATE	17.00	PMG	11						
		LSD (0.05)			0.00	5.70	3.67	5.29	5.30	1.26
		STANDARD DEVIATION			0.00	2.85	1.84	2.64	2.65	0.63

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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:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMACH	ABUTH	PHBPU	ZEAMD	SETFA
		RATE	UNIT		06/12/00	06/12/00	06/12/00	06/12/00	06/28/00	06/28/00
1A	BICEP II MAGNU	2.89	LAA	9	93	99	53	58	0	91
2A	BALANCE PRO 4S	0.094	LAA	9	99	99	97	90	0	97
	B»BICEP II MAGNU	2.89	LAA	9						
3A	BALANCE PRO 4S	0.094	LAA	9	96	99	94	79	0	94
	B ATRAZINE DF	1.00	LAA	9						
4A	EPIC 58DF	0.44	LAA	9	93	99	99	88	0	96
	B ATRAZINE DF	1.25	LAA	9						
5A	ATRAZINE DF	1.00	LAA	9	98	97	96	94	0	92
	B»LIBERTY	0.31	LAA	12						
	C ATRAZINE DF	0.50	LAA	12						
	D AM. SULFATE	17.00	PMG	12						
6A	BALANCE PRO 4S	0.055	LAA	9	98	99	98	92	0	99
	B»LIBERTY	0.31	LAA	12						
	C ATRAZINE DF	0.75	LAA	12						
	D AM. SULFATE	17.00	PMG	12						
7A	AXIOM	0.51	LAA	9	96	99	98	92	0	95
	B»LIBERTY	0.31	LAA	12						
	C ATRAZINE DF	0.75	LAA	12						
	D AM. SULFATE	17.00	PMG	12						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A	BALANCE PRO 4S	0.055	LAA	9	98	99	98	94	0	98
	B ATRAZINE DF	0.75	LAA	9						
	C»LIBERTY	0.31	LAA	12						
	D ATRAZINE DF	0.75	LAA	12						
	E AM. SULFATE	17.00	PMG	12						
10A	BALANCE PRO 4S	0.063	LAA	9	98	99	98	96	0	98
	B ATRAZINE DF	1.50	LAA	9						
	C»LIBERTY	0.36	LAA	12						
	D AM. SULFATE	17.00	PMG	12						
11A	BALANCE PRO 4S	0.055	LAA	9	91	99	95	85	0	92
	B ATRAZINE DF	0.75	LAA	9						
	C»LIBERTY	0.31	LAA	12						
	D AM. SULFATE	17.00	PMG	12						
12A	BALANCE PRO 4S	0.055	LAA	9	92	94	94	86	0	79
	B»LIBERTY	0.36	LAA	12						
	C AM. SULFATE	17.00	PMG	12						
13A	LEADOFF 5SE	0.94	LAA	9	99	99	76	88	0	94
	B»BASIS GOLD 90D	0.79	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
14A	BICEP II MAGNU	2.89	LAA	9	92	99	87	89	0	89
	B»NORTHSTAR 47.4	0.148	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
15A	BICEP II MAGNU	2.89	LAA	9	97	99	99	94	0	93
	B»ZA1296 4SC	0.094	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
16A	FRONTIER 6.0EC	1.17	LAA	9	98	99	99	99	0	94
	B»DISTINCT 70WG	0.175	LAA	12						
	C»ACTIVATOR 90	0.25	PMV	12						
	D 28% UAN	2.50	PMV	12						

TITLE: CLLBAL BALANCE AND LIBERTY FOR WEED CONTROL IN LLCORN AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMACH	ABUTH	PHBPU	ZEAMD	SETFA
		RATE	UNIT		06/12/00	06/12/00	06/12/00	06/12/00	06/28/00	06/28/00
17A»	FULTIME 4SC	3.00	LAA	9	99	99	95	93	0	95
	B»HORNET 68.5WG	0.128	LAA	12						
	C»COC	1.00	PMV	12						
	D 28% UAN	2.50	PMV	12						
18A»	DUAL II MAGNUM	1.91	LAA	9	99	96	73	79	0	85
	B»SPIRIT 57WG	0.036	LAA	11						
	C»COC	1.00	PMV	11						
	D 28% UAN	2.50	PMV	11						
19A»	LIBERTY ATZ 4.	1.35	LAA	11	90	98	83	85	0	78
	B AM. SULFATE	17.00	PMG	11						
20A»	ACCENT GOLD 83	0.152	LAA	0	98	79	97	92	0	91
	B»DPX79406 75DF	0.024	LAA	11						
	C»HORNET 68.5WG	0.128	LAA	11						
	D CLARITY	0.125	LAA	11						
	E»COC	1.00	PMV	11						
	F 28% UAN	2.50	PMV	11						
21A»	LIBERTY	0.26	LAA	11	64	90	99	83	0	70
	B»ZA1296 4SC	0.094	LAA	11						
	C AM. SULFATE	17.00	PMG	11						
			LSD (0.05)		4.84	4.15	4.27	5.94	0.00	6.31
			STANDARD DEVIATION		2.42	2.07	2.13	3.00	0.00	3.16

TITLE: CLLBAL BALANCE AND LIBERTY FOR WEED CONTROL IN LLCORN AS-100
CREATED: 04/12/2000 **REVISED:** 11/03/2000 **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:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMACH	ABUTH	PHBPU	YIELD
		RATE	UNIT		06/28/00	06/28/00	06/28/00	09/27/00
1A	BICEP II MAGNU	2.89	LAA	9	97	63	58	183.6
2A	BALANCE PRO 4S	0.094	LAA	9	99	99	80	186.0
	B»BICEP II MAGNU	2.89	LAA	9				
3A	BALANCE PRO 4S	0.094	LAA	9	99	94	70	174.9
	B ATRAZINE DF	1.00	LAA	9				
4A	EPIC 58DF	0.44	LAA	9	99	99	79	166.4
	B ATRAZINE DF	1.25	LAA	9				
5A	ATRAZINE DF	1.00	LAA	9	98	75	68	167.9
	B»LIBERTY	0.31	LAA	12				
	C ATRAZINE DF	0.50	LAA	12				
	D AM. SULFATE	17.00	PMG	12				
6A	BALANCE PRO 4S	0.055	LAA	9	99	88	79	168.9
	B»LIBERTY	0.31	LAA	12				
	C ATRAZINE DF	0.75	LAA	12				
	D AM. SULFATE	17.00	PMG	12				
7A	AXIOM	0.51	LAA	9	99	93	76	168.7
	B»LIBERTY	0.31	LAA	12				
	C ATRAZINE DF	0.75	LAA	12				
	D AM. SULFATE	17.00	PMG	12				
8A	CHECK	0.00	NA	0	0	0	0	163.6
9A	BALANCE PRO 4S	0.055	LAA	9	99	99	91	170.9
	B ATRAZINE DF	0.75	LAA	9				
	C»LIBERTY	0.31	LAA	12				
	D ATRAZINE DF	0.75	LAA	12				
	E AM. SULFATE	17.00	PMG	12				
10A	BALANCE PRO 4S	0.063	LAA	9	99	98	88	169.3
	B ATRAZINE DF	1.50	LAA	9				
	C»LIBERTY	0.36	LAA	12				
	D AM. SULFATE	17.00	PMG	12				
11A	BALANCE PRO 4S	0.055	LAA	9	95	87	75	170.8
	B ATRAZINE DF	0.75	LAA	9				
	C»LIBERTY	0.31	LAA	12				
	D AM. SULFATE	17.00	PMG	12				
12A	BALANCE PRO 4S	0.055	LAA	9	93	78	68	165.7
	B»LIBERTY	0.36	LAA	12				
	C AM. SULFATE	17.00	PMG	12				
13A	LEADOFF 5SE	0.94	LAA	9	96	71	66	160.0
	B»BASIS GOLD 90D	0.79	LAA	12				
	C»COC	1.00	PMV	12				
	D 28% UAN	2.50	PMV	12				
14A	BICEP II MAGNU	2.89	LAA	9	97	78	69	165.6
	B»NORTHSTAR 47.4	0.148	LAA	12				
	C»COC	1.00	PMV	12				
	D 28% UAN	2.50	PMV	12				
15A	BICEP II MAGNU	2.89	LAA	9	99	99	87	177.6
	B»ZA1296 4SC	0.094	LAA	12				
	C»COC	1.00	PMV	12				
	D 28% UAN	2.50	PMV	12				
16A	FRONTIER 6.0EC	1.17	LAA	9	98	87	85	165.5
	B»DISTINCT 70WG	0.175	LAA	12				
	C»ACTIVATOR 90	0.25	PMV	12				
	D 28% UAN	2.50	PMV	12				

TITLE: CLLBAL BALANCE AND LIBERTY FOR WEED CONTROL IN LLCORN AS-100

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMACH 06/28/00	ABUTH 06/28/00	PHBPU 06/28/00	YIELD BU/A 09/27/00
		RATE	UNIT					
17A	FULTIME 4SC	3.00	LAA	9	93	86	74	176.1
	B»HORNET 68.5WG	0.128	LAA	12				
	C»COC	1.00	PMV	12				
	D 28% UAN	2.50	PMV	12				
18A	DUAL II MAGNUM	1.91	LAA	9	90	82	75	167.5
	B»SPIRIT 57WG	0.036	LAA	11				
	C»COC	1.00	PMV	11				
	D 28% UAN	2.50	PMV	11				
19A	LIBERTY ATZ 4.	1.35	LAA	11	92	76	65	170.9
	B AM. SULFATE	17.00	PMG	11				
20A	ACCENT GOLD 83	0.152	LAA	0	85	89	73	167.1
	B»DPX79406 75DF	0.024	LAA	11				
	C»HORNET 68.5WG	0.128	LAA	11				
	D CLARITY	0.125	LAA	11				
	E»COC	1.00	PMV	11				
	F 28% UAN	2.50	PMV	11				
21A	LIBERTY	0.26	LAA	11	99	99	79	177.7
	B»ZA1296 4SC	0.094	LAA	11				
	C AM. SULFATE	17.00	PMG	11				
		LSD (0.05)			6.00	7.94	8.20	11.41
		STANDARD DEVIATION			3.00	4.00	4.10	5.70

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 04/26/2000 (1)
 11 = ----- / EPOST 05/22/2000 (2)
 12 = ----- / POST 06/01/2000 (3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD		05/12/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA		05/12/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMACH		05/12/2000	03	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH		05/12/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU		05/12/2000	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD		06/12/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA		06/12/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMACH		06/12/2000	03	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH		06/12/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU		06/12/2000	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD		06/28/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA		06/28/2000	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMACH		06/28/2000	03	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH		06/28/2000	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU		06/28/2000	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	09/27/2000	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = PIONEER 33G28LL