

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
 PH: 6.8  
 %OM: 5.9  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 7.5 X 32 FEET

DESIGN: RCB  
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	10	11	
TYPE	LIQMXSPR	LIQMXSPR	
APPLICATION DATE	05/08/01	05/18/01	AME
AIR TEMPERATURE	77	75	F
% REL.HUMIDITY	30	85	
WIND DIRECTION	WEST	NORTH	
WIND SPEED	5.0	1.0	M/H
CLOUD COVER	CLEAR	OVERCAST	
DEW	DRY	MOIST	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACKS	BACKPACKS	
PROPELLANT	COMPRSCO2	COMPRSCO2	
PLACEMENT	BROADCAST	BROADCAST	
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	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	---/12	---/14	
DEKALB 592SR	3.00/3.00	6.00/6.00	IN
04/27/2001			
*** PEST ***			
PIGWEEED, SMOOTH	---/12	---/16	
	0.50/0.50	1.00/2.00	IN
LAMBSQUARTERS, C	---/12	---/17	
	0.50/0.50	1.00/1.00	IN
MORNINGGLORY, TA	---/10	---/12	
	0.50/0.50	1.00/1.00	IN
SMARTWEED, PENNS	---/11	---/15	
	1.00/1.00	2.00/2.00	IN

\* TIMING CODES

10 = ----- / VEPOST  
 11 = ----- / EPOST

\* STAGE CODE

10 = 1ST LEAF EMERGED; COTYLEDONS UNFOLDED  
 11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED  
 12 = 2 LEAVES UNFOLDED  
 14 = 4 LEAVES UNFOLDED  
 15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
 17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

## DATA MEAN

TITLE: PCC196 for early post broadleaf weed control in corn M-17E  
 CREATED: 04/14/2001 REVISED: 10/11/2001 COMPLETED: N  
 PROJECT TYPE: HERBICIDE  
 LOCATION: URBANA RESEARCHED BY: UNIV. OF ILL  
 DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN  
 PLOT SIZE: 7.50 FT WIDE X 32.00 FT LONG REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	AMACH	CHEAL	POLPY	PHBPU	ZEAMD
		RATE	UNIT		CON % 05/31/01	CON % 05/31/01	CON % 05/31/01	CON % 05/31/01	CON % 05/31/01	CON % 06/19/01
1A»	PCC196 3.3L	0.41	LAA	10	0	97	95	93	68	0
2A»	PCC196 3.3L	0.82	LAA	10	0	99	98	95	80	0
3A»	PCC196 3.3L	1.23	LAA	10	0	99	99	99	93	0
4A»	PCC196 3.3L	1.64	LAA	10	0	99	99	99	95	0
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A	MARKSMAN SC	1.40	LAA	10	0	98	99	98	83	0
7A»	HORNET 68.5WG	0.128	LAA	10	0	94	92	96	70	0
B»	ACTIVATOR 90	0.25	PMV	10						
8A»	PCC196 3.3L	0.41	LAA	11	0	99	99	99	94	0
9A»	PCC196 3.3L	0.82	LAA	11	0	99	99	99	98	0
10A»	PCC196 3.3L	1.23	LAA	11	0	99	99	99	99	0
11A»	PCC196 3.3L	1.64	LAA	11	0	99	99	99	99	0
12A	SHOTGUN	1.02	LAA	11	0	99	99	99	99	0
13A	MARKSMAN SC	1.40	LAA	11	0	99	99	99	99	0
14A»	HORNET 68.5WG	0.128	LAA	11	0	99	99	99	92	0
B»	ACTIVATOR 90	0.25	PMV	11						
15A»	DISTINCT 70WG	0.26	LAA	11	0	99	99	99	94	0
B»	ACTIVATOR 90	0.25	PMV	11						
16A»	HAND WEEDED	0.00	NA	0	0	99	99	99	99	0
B»	DUAL II MAGNUM	1.59	LAA	9						
C	ATRAZINE DF	1.50	LAA	9						
LSD (0.05)					0.00	2.29	1.70	2.51	4.43	0.00
STANDARD DEVIATION					0.00	1.12	0.834	1.23	2.17	0.00

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TRT	TREATMENT	DOSAGE		AMACH	CHEAL	POLPY	PHBPU	YIELD	
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	BU/A	
				06/19/01	06/19/01	06/19/01	06/19/01	09/18/01	
1A	PCC196 3.3L	0.41	LAA 10	94	85	88	57	154.9	
2A	PCC196 3.3L	0.82	LAA 10	98	98	99	70	165.2	
3A	PCC196 3.3L	1.23	LAA 10	99	99	99	85	175.1	
4A	PCC196 3.3L	1.64	LAA 10	99	99	99	92	174.1	
5A	CHECK	0.00	NA 0	0	0	0	0	150.4	
6A	MARKSMAN SC	1.40	LAA 10	99	99	99	77	160.3	
7A	HORNET 68.5WG	0.128	LAA 10	90	92	92	62	140.6	
B	ACTIVATOR 90	0.25	PMV 10						
8A	PCC196 3.3L	0.41	LAA 11	99	99	99	91	170.5	
9A	PCC196 3.3L	0.82	LAA 11	99	99	99	96	178.9	
10A	PCC196 3.3L	1.23	LAA 11	99	99	99	99	174.3	
11A	PCC196 3.3L	1.64	LAA 11	99	99	99	99	176.3	
12A	SHOTGUN	1.02	LAA 11	99	99	99	96	174.8	
13A	MARKSMAN SC	1.40	LAA 11	99	99	99	98	166.4	
14A	HORNET 68.5WG	0.128	LAA 11	99	99	99	77	172.9	
B	ACTIVATOR 90	0.25	PMV 11						
15A	DISTINCT 70WG	0.26	LAA 11	99	99	99	90	165.2	
B	ACTIVATOR 90	0.25	PMV 11						
16A	HAND WEEDED	0.00	NA 0	99	99	99	99	168.9	
B	DUAL II MAGNUM	1.59	LAA 9						
C	ATRAZINE DF	1.50	LAA 9						
				LSD (0.05)	2.24	3.25	3.47	7.56	17.45
				STANDARD DEVIATION	1.10	1.59	1.70	3.70	8.54

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE  
 10 = ----- / VEPOST 05/08/2001(1)  
 11 = ----- / EPOST 05/18/2001(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	CON %	05/31/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
02	AMACH	CON %	05/31/2001	02	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
03	CHEAL	CON %	05/31/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
04	POLPY	CON %	05/31/2001	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
05	PHBPU	CON %	05/31/2001	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
06	ZEAMD	CON %	06/19/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
07	AMACH	CON %	06/19/2001	02	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
08	CHEAL	CON %	06/19/2001	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
09	POLPY	CON %	06/19/2001	04	P	POLPY		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
10	PHBPU	CON %	06/19/2001	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
11	YIELD	BU/A	09/18/2001	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = DEKALB 592SR