

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.5
%OM: 4.0
PREV. CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 10 X 50 FEET

DESIGN: RCB
REPS: 4

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	04/29/05	06/08/05	AME
AIR TEMPERATURE	50	88	F
% REL. HUMIDITY	75	50	
WIND DIRECTION	NORTH	SOUTHWEST	
WIND SPEED	5.0	6.0	M/H
CLOUD COVER	CLOUDY	PARTCLDY	
DEW	---	NO	
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 VARIETIES 04/29/2005		---/15 18.0/18.0	IN
*** PEST *** WATERHEMP, COMMO		---/18 2.00/4.00	IN
LAMBSQUARTERS, C		---/19 1.00/5.00	IN
FOXTAIL, GIANT		---/14 2.00/8.00	IN
COCKLEBUR, COMMO		---/14 2.00/4.00	IN

* TIMING CODES

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

* STAGE CODE

14 = 4 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Effect of stress mitigation on corn yield. M-10N
CREATED: 04/13/2005 **REVISED:** 11/03/2005 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 50.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMD	SETFA	CHEAL	AMATA	XANST	ZEAMD
		RATE	UNIT		CON % 06/17/05	CON % 06/17/05	CON % 06/17/05	CON % 06/17/05	CON % 06/17/05	CON % 07/06/05
1A	DKC60-17	0.00	NA	0	11	85	99	98	99	4
B	BICEP II MAGNU	2.89	LAA	9						
C	STEADFAST 75DF	0.035	LAA	12						
D	CALLISTO 4SC	0.047	LAA	12						
E	ATRAZINE DF	0.25	LAA	12						
F	COC	1.00	PMV	12						
G	28% UAN	2.00	LAA	12						
2A	DKC60-17	0.00	NA	0	13	87	99	99	99	8
B	INSECTICIDE	0.00	OAA	0						
C	BICEP II MAGNU	2.89	LAA	9						
D	STEADFAST 75DF	0.035	LAA	12						
E	CALLISTO 4SC	0.047	LAA	12						
F	ATRAZINE DF	0.25	LAA	12						
G	COC	1.00	PMV	12						
H	28% UAN	2.00	LAA	12						
3A	DKC60-19	0.00	NA	0	14	89	98	99	99	5
B	BICEP II MAGNU	2.89	LAA	9						
C	STEADFAST 75DF	0.035	LAA	12						
D	CALLISTO 4SC	0.047	LAA	12						
E	ATRAZINE DF	0.25	LAA	12						
F	COC	1.00	PMV	12						
G	28% UAN	2.00	LAA	12						
4A	DKC60-19	0.00	NA	0	8	88	99	99	99	7
B	INSECTICIDE	0.00	OAA	0						
C	BICEP II MAGNU	2.89	LAA	9						
D	STEADFAST 75DF	0.035	LAA	12						
E	CALLISTO 4SC	0.047	LAA	12						
F	ATRAZINE DF	0.25	LAA	12						
G	COC	1.00	PMV	12						
H	28% UAN	2.00	LAA	12						
5A	DKC60-19	0.00	NA	0	11	87	99	99	99	5
B	BICEP II MAGNU	2.89	LAA	9						
C	STEADFAST 75DF	0.035	LAA	12						
D	CALLISTO 4SC	0.047	LAA	12						
E	ATRAZINE DF	0.25	LAA	12						
F	COC	1.00	PMV	12						
G	28% UAN	2.00	LAA	12						
6A	DKC60-19	0.00	NA	0	13	86	99	99	99	8
B	INSECTICIDE	0.00	OAA	0						
C	BICEP II MAGNU	2.89	LAA	9						
D	STEADFAST 75DF	0.035	LAA	12						
E	CALLISTO 4SC	0.047	LAA	12						
F	ATRAZINE DF	0.25	LAA	12						
G	COC	1.00	PMV	12						
H	28% UAN	2.00	LAA	12						
7A	DKC60-19	0.00	NA	0	0	99	89	99	99	0
B	HARNESS XTRA	2.10	LAA	9						
C	WEATHERMAX 4.5	0.75	LAA	12						
D	LIQUID AMS	2.50	PMV	12						
8A	DKC60-19	0.00	NA	0	0	99	93	99	99	0
B	INSECTICIDE	0.00	OAA	0						
C	HARNESS XTRA	2.10	LAA	9						
D	WEATHERMAX 4.5	0.75	LAA	12						
E	LIQUID AMS	2.50	PMV	12						
9A	DKC60-18	0.00	NA	0	0	99	90	99	99	0
B	HARNESS XTRA	2.10	LAA	9						
C	WEATHERMAX 4.5	0.75	LAA	12						
D	LIQUID AMS	2.50	PMV	12						

TITLE: Effect of stress mitigation on corn yield. M-10N

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	XANST	ZEAMD	
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %	
			TM	06/17/05	06/17/05	06/17/05	06/17/05	06/17/05	07/06/05	
10A»	DKC60-18	0.00	NA	0	0	99	94	99	99	0
B»	INSECTICIDE	0.00	OAA	0						
C	HARNESS XTRA	2.10	LAA	9						
D»	WEATHERMAX 4.5	0.75	LAA	12						
E»	LIQUID AMS	2.50	PMV	12						
			LSD (0.05)	4.41	4.16	3.00	0.918	0.00	2.35	
			STANDARD DEVIATION	2.15	2.00	1.48	0.447	0.00	1.15	

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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** 50.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	CHEAL	AMATA	XANST	ZEAMD	SETFA
		RATE	UNIT		CON % 07/06/05	CON % 07/06/05	CON % 07/06/05	CON % 07/06/05	CON % 08/11/05	CON % 08/11/05
1A	DKC60-17	0.00	NA	0	90	99	99	99	0	78
B	BICEP II MAGNU	2.89	LAA	9						
C	STEADFAST 75DF	0.035	LAA	12						
D	CALLISTO 4SC	0.047	LAA	12						
E	ATRAZINE DF	0.25	LAA	12						
F	COC	1.00	PMV	12						
G	28% UAN	2.00	LAA	12						
2A	DKC60-17	0.00	NA	0	90	99	99	99	0	81
B	INSECTICIDE	0.00	OAA	0						
C	BICEP II MAGNU	2.89	LAA	9						
D	STEADFAST 75DF	0.035	LAA	12						
E	CALLISTO 4SC	0.047	LAA	12						
F	ATRAZINE DF	0.25	LAA	12						
G	COC	1.00	PMV	12						
H	28% UAN	2.00	LAA	12						
3A	DKC60-19	0.00	NA	0	90	99	99	99	0	79
B	BICEP II MAGNU	2.89	LAA	9						
C	STEADFAST 75DF	0.035	LAA	12						
D	CALLISTO 4SC	0.047	LAA	12						
E	ATRAZINE DF	0.25	LAA	12						
F	COC	1.00	PMV	12						
G	28% UAN	2.00	LAA	12						
4A	DKC60-19	0.00	NA	0	89	99	99	99	0	76
B	INSECTICIDE	0.00	OAA	0						
C	BICEP II MAGNU	2.89	LAA	9						
D	STEADFAST 75DF	0.035	LAA	12						
E	CALLISTO 4SC	0.047	LAA	12						
F	ATRAZINE DF	0.25	LAA	12						
G	COC	1.00	PMV	12						
H	28% UAN	2.00	LAA	12						
5A	DKC60-19	0.00	NA	0	88	99	99	99	0	75
B	BICEP II MAGNU	2.89	LAA	9						
C	STEADFAST 75DF	0.035	LAA	12						
D	CALLISTO 4SC	0.047	LAA	12						
E	ATRAZINE DF	0.25	LAA	12						
F	COC	1.00	PMV	12						
G	28% UAN	2.00	LAA	12						
6A	DKC60-19	0.00	NA	0	90	99	99	99	0	82
B	INSECTICIDE	0.00	OAA	0						
C	BICEP II MAGNU	2.89	LAA	9						
D	STEADFAST 75DF	0.035	LAA	12						
E	CALLISTO 4SC	0.047	LAA	12						
F	ATRAZINE DF	0.25	LAA	12						
G	COC	1.00	PMV	12						
H	28% UAN	2.00	LAA	12						
7A	DKC60-19	0.00	NA	0	98	95	99	99	0	98
B	HARNESS XTRA	2.10	LAA	9						
C	WEATHERMAX 4.5	0.75	LAA	12						
D	LIQUID AMS	2.50	PMV	12						
8A	DKC60-19	0.00	NA	0	97	97	99	99	0	97
B	INSECTICIDE	0.00	OAA	0						
C	HARNESS XTRA	2.10	LAA	9						
D	WEATHERMAX 4.5	0.75	LAA	12						
E	LIQUID AMS	2.50	PMV	12						
9A	DKC60-18	0.00	NA	0	98	97	99	99	0	98
B	HARNESS XTRA	2.10	LAA	9						
C	WEATHERMAX 4.5	0.75	LAA	12						
D	LIQUID AMS	2.50	PMV	12						

TITLE: Effect of stress mitigation on corn yield. M-10N

TRT	TREATMENT	DOSAGE		SETFA	CHEAL	AMATA	XANST	ZEAMD	SETFA	
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %	
			TM	07/06/05	07/06/05	07/06/05	07/06/05	08/11/05	08/11/05	
10A»	DKC60-18	0.00	NA	0	98	98	99	99	0	97
B»	INSECTICIDE	0.00	OAA	0						
C	HARNESX XTRA	2.10	LAA	9						
D»	WEATHERMAX 4.5	0.75	LAA	12						
E»	LIQUID AMS	2.50	PMV	12						
			LSD (0.05)		3.00	1.19	0.00	0.00	0.00	5.06
			STANDARD DEVIATION		1.45	0.579	0.00	0.00	0.00	2.47

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 50.00 FT **LONG** **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	CHEAL	AMATA	XANST	YIELD
		RATE	UNIT		CON % 08/11/05	CON % 08/11/05	CON % 08/11/05	BU/A 09/28/05
1A	DKC60-17	0.00	NA	0	98	94	99	148.9
	B»BICEP II MAGNU	2.89	LAA	9				
	C»STEADFAST 75DF	0.035	LAA	12				
	D»CALLISTO 4SC	0.047	LAA	12				
	E ATRAZINE DF	0.25	LAA	12				
	F»COC	1.00	PMV	12				
	G 28% UAN	2.00	LAA	12				
2A	DKC60-17	0.00	NA	0	99	97	99	147.2
	B»INSECTICIDE	0.00	OAA	0				
	C»BICEP II MAGNU	2.89	LAA	9				
	D»STEADFAST 75DF	0.035	LAA	12				
	E»CALLISTO 4SC	0.047	LAA	12				
	F ATRAZINE DF	0.25	LAA	12				
	G»COC	1.00	PMV	12				
	H 28% UAN	2.00	LAA	12				
3A	DKC60-19	0.00	NA	0	96	95	98	147.5
	B»BICEP II MAGNU	2.89	LAA	9				
	C»STEADFAST 75DF	0.035	LAA	12				
	D»CALLISTO 4SC	0.047	LAA	12				
	E ATRAZINE DF	0.25	LAA	12				
	F»COC	1.00	PMV	12				
	G 28% UAN	2.00	LAA	12				
4A	DKC60-19	0.00	NA	0	98	95	96	156.1
	B»INSECTICIDE	0.00	OAA	0				
	C»BICEP II MAGNU	2.89	LAA	9				
	D»STEADFAST 75DF	0.035	LAA	12				
	E»CALLISTO 4SC	0.047	LAA	12				
	F ATRAZINE DF	0.25	LAA	12				
	G»COC	1.00	PMV	12				
	H 28% UAN	2.00	LAA	12				
5A	DKC60-19	0.00	NA	0	99	96	98	145.9
	B»BICEP II MAGNU	2.89	LAA	9				
	C»STEADFAST 75DF	0.035	LAA	12				
	D»CALLISTO 4SC	0.047	LAA	12				
	E ATRAZINE DF	0.25	LAA	12				
	F»COC	1.00	PMV	12				
	G 28% UAN	2.00	LAA	12				
6A	DKC60-19	0.00	NA	0	98	96	98	160.7
	B»INSECTICIDE	0.00	OAA	0				
	C»BICEP II MAGNU	2.89	LAA	9				
	D»STEADFAST 75DF	0.035	LAA	12				
	E»CALLISTO 4SC	0.047	LAA	12				
	F ATRAZINE DF	0.25	LAA	12				
	G»COC	1.00	PMV	12				
	H 28% UAN	2.00	LAA	12				
7A	DKC60-19	0.00	NA	0	89	94	96	147.5
	B HARNESS XTRA	2.10	LAA	9				
	C»WEATHERMAX 4.5	0.75	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				
8A	DKC60-19	0.00	NA	0	93	97	97	153.5
	B»INSECTICIDE	0.00	OAA	0				
	C HARNESS XTRA	2.10	LAA	9				
	D»WEATHERMAX 4.5	0.75	LAA	12				
	E»LIQUID AMS	2.50	PMV	12				
9A	DKC60-18	0.00	NA	0	93	96	97	165.7
	B HARNESS XTRA	2.10	LAA	9				
	C»WEATHERMAX 4.5	0.75	LAA	12				
	D»LIQUID AMS	2.50	PMV	12				

TITLE: Effect of stress mitigation on corn yield. M-10N

TRT TREATMENT NUM COMPONENT	DOSAGE		CHEAL	AMATA	XANST	YIELD	
	RATE	UNIT	CON % 08/11/05	CON % 08/11/05	CON % 08/11/05	BU/A 09/28/05	
10A»DKC60-18	0.00	NA	0	95	96	97	172.5
B»INSECTICIDE	0.00	OAA	0				
C HARNESS XTRA	2.10	LAA	9				
D»WEATHERMAX 4.5	0.75	LAA	12				
E»LIQUID AMS	2.50	PMV	12				
	LSD (0.05)		2.31	3.60	2.00		18.00
	STANDARD DEVIATION		1.12	1.75	1.00		8.75

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
09 = ----- / PREEMERGENCE 04/29/2005(1)
12 = ----- / POST 06/08/2005(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 %	06/17/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/17/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/17/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/17/2005	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	XANST	CON %	06/17/2005	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	07/06/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/06/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	CHEAL	CON %	07/06/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	07/06/2005	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	XANST	CON %	07/06/2005	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	08/11/2005	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	08/11/2005	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	CHEAL	CON %	08/11/2005	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMATA	CON %	08/11/2005	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	XANST	CON %	08/11/2005	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	YIELD	BU/A	09/28/2005	01	P	ZEAMD		RAW	ALL	YLD	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = VARIETIES