

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX  
 PH: 6.2  
 %OM: 6.0  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 10 X 40 FEET

DESIGN: RCB  
 REPS: 4

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/28/05	05/24/05	06/08/05	06/15/05	AME
AIR TEMPERATURE	53	69	86	73	F
% REL.HUMIDITY	36	32	46	57	
WIND DIRECTION	WEST	NORTHEAST	SOUTHWEST	WEST	
WIND SPEED	4.6	8.4	5.9	11.9	M/H
CLOUD COVER	PARTCLDY	PARTCLDY	PARTCLDY	CLOUDY	
DEW	NA/UNKNOW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/DRY	DRY/DRY	DRY/DRY	
SOIL CONDITION	FRIABLE	FRIABLE	FRIABLE	FRIABLE	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	SPECIAL	SPECIAL	SPECIAL	SPECIAL	
NOZZLE NUMBER	6	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	20.000	IN
SWATH WIDTH	10.0	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	20.00	
VOLUME UNIT	GPA	GPA	GPA	GPA	
PRESSURE	40.00	40.00	40.00	40.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** PEST ***					
CORN, DENT PIONEER 35Y62 04/27/2005		HGH/14 8.00/10.0	HGH/16 10.0/16.0	HGH/17 22.0/28.0	IN
CORN, VOLUNTEER,		HGH/14 6.00/8.00	HGH/15 7.00/14.0	HGH/16 16.0/22.0	IN

\* TIMING CODES

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

\* STAGE CODE

14 = 4 LEAVES UNFOLDED  
 15 = 5 LEAVES UNFOLDED  
 16 = 6 LEAVES UNFOLDED  
 17 = 7 LEAVES UNFOLDED

**TITLE:** Volunteer Corn Competition in Glyphosate and Glufosinate Resistant Corn.  
**CREATED:** 04/22/2005 **REVISED:** 11/05/2005 **COMPLETED:** N  
**PROJECT TYPE:** HERBICIDE  
**LOCATION:** DeKalb **RESEARCHED BY:** UNIV. OF ILL  
**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN  
**PLOT SIZE:** 10.00 FT WIDE X 40.00 FT LONG **REPS:** 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMX	ZEAMD
		RATE	UNIT		CON % 05/24/05	CON % 06/08/05	CON % 06/15/05	CON % 06/23/05	CON % 07/14/05	CON % 07/14/05
1A	DEGREE XTRA	2.02	LAA	9	0	64		46	29	0
B	LIBERTY 1.67SL	0.45	LAA	11						
C	»LIQUID AMS	5.00	PMV	11						
2A	DEGREE XTRA	3.03	LAA	9	0	0	84	93	90	0
B	LIBERTY 1.67SL	0.45	LAA	12						
C	»LIQUID AMS	5.00	PMV	12						
3A	DEGREE XTRA	3.03	LAA	9	0	0		84	92	0
B	LIBERTY 1.67SL	0.45	LAA	13						
C	»LIQUID AMS	5.00	PMV	13						
4A	DEGREE XTRA	3.03	LAA	9	0	0		0	0	0
5A	DEGREE XTRA	3.03	LAA	9	0	0	64	99	99	0
B	»WEATHERMAX 4.5	0.75	LAA	12						
C	»LIQUID AMS	2.50	PMV	12						
6A	DEGREE XTRA	3.03	LAA	9						0
B	»WEATHERMAX 4.5	0.75	LAA	12						
C	»LIQUID AMS	2.50	PMV	12						
D	LIBERTY 1.67SL	0.45	LAA	12						
E	»LIQUID AMS	5.00	PMV	12						
7A	DEGREE XTRA	2.02	LAA	9						0
B	»WEED FREE	0.00	NA	0						
C	»WEATHERMAX 4.5	0.75	LAA	11						
D	»LIQUID AMS	2.50	PMV	11						
E	»WEATHERMAX 4.5	0.75	LAA	13						
F	»LIQUID AMS	2.50	PMV	13						
		LSD (0.05)			0.00	3.30	13.00	4.68	10.42	0.00
		STANDARD DEVIATION			0.00	1.51	4.08	2.15	4.78	0.00

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TRT	TREATMENT	DOSAGE		ZEAMX	YIELD
NUM	COMPONENT	RATE	UNIT	# PLANTS	BU/ A
			TM	08/24/05	10/17/05
1A	DEGREE XTRA	2.02	LAA 9	33	188.00
B	LIBERTY 1.67SL	0.45	LAA 11		
C	LIQUID AMS	5.00	PMV 11		
2A	DEGREE XTRA	3.03	LAA 9	11	204.65
B	LIBERTY 1.67SL	0.45	LAA 12		
C	LIQUID AMS	5.00	PMV 12		
3A	DEGREE XTRA	3.03	LAA 9	21	187.99
B	LIBERTY 1.67SL	0.45	LAA 13		
C	LIQUID AMS	5.00	PMV 13		
4A	DEGREE XTRA	3.03	LAA 9	57	93.81
5A	DEGREE XTRA	3.03	LAA 9	1	218.77
B	WEATHERMAX 4.5	0.75	LAA 12		
C	LIQUID AMS	2.50	PMV 12		
6A	DEGREE XTRA	3.03	LAA 9		216.60
B	WEATHERMAX 4.5	0.75	LAA 12		
C	LIQUID AMS	2.50	PMV 12		
D	LIBERTY 1.67SL	0.45	LAA 12		
E	LIQUID AMS	5.00	PMV 12		
7A	DEGREE XTRA	2.02	LAA 9		223.03
B	WEED FREE	0.00	NA 0		
C	WEATHERMAX 4.5	0.75	LAA 11		
D	LIQUID AMS	2.50	PMV 11		
E	WEATHERMAX 4.5	0.75	LAA 13		
F	LIQUID AMS	2.50	PMV 13		
		LSD (0.05)		21.17	24.00
		STANDARD DEVIATION		9.71	11.42

>> = SUPPLEMENTAL CHEMICAL

\* TIMING CODES

00 = ----- / UNTREATED TIMING  
 09 = ----- / PREEMERGENCE 04/28/2005(1)  
 11 = ----- / EPOST 05/24/2005(2)  
 12 = ----- / POST 06/08/2005(3)  
 13 = ----- / LPOST 06/15/2005(4)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	ZEAMX	CON %	05/24/2005	01	P	ZEAMX	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMX	CON %	06/08/2005	01	P	ZEAMX	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ZEAMX	CON %	06/15/2005	01	P	ZEAMX	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ZEAMX	CON %	06/23/2005	01	P	ZEAMX		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMX	CON %	07/14/2005	01	P	ZEAMX		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	07/14/2005	02	P	ZEAMD		RAW	ALL	PHY	%	---	1.00 PL	NO	0001	0	N
007	ZEAMX	# PLANTS	08/24/2005	01	P	ZEAMX		RAW	ALL	CNT	---	---	1.00 PL	NO	0001	0	N
008	YIELD	BU/ A	10/17/2005	02	P	ZEAMD		RAW	ALL	YLD	BU	---	1.00 PL	NO	0001	0	N

\* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

02 = PIONEER 35Y62

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