

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	11	13	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	05/28/08	06/09/08	AME
AIR TEMPERATURE	64	82	F
% REL.HUMIDITY	43	53	
WIND DIRECTION	NORTHEAST	WEST	
WIND SPEED	6.0	6.0	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	6	5	
NOZZLE SPACING	20.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	10.0	7.5	FT
SPRAY VOLUME	20.00	20.00	
SCREEN SIZE	GPA	GPA	
PRESSURE	32.00	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	
PIONEER 34A20	8.00/8.00	18.0/18.0	IN
04/21/2008			
*** PEST ***			
VELVETLEAF	---/12	---/13	
	2.00/2.00	1.00/3.00	IN
WATERHEMP, COMMO	---/18	---/15	
	1.00/2.00	1.00/1.00	IN
LAMBSQUARTERS, C	---/18	---/14	
	1.00/3.00	1.00/1.00	IN
MORNINGGLORY, TA	---/14	---/18	
	1.50/1.50	1.00/4.00	IN
FOXTAIL, GIANT	---/12	---/12	
	2.00/2.00	2.00/2.00	IN
COCKLEBUR, COMMO	---/12	---/14	
	2.00/2.00	2.00/5.00	IN

* TIMING CODES

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

* STAGE CODE

12 = 2 LEAVES UNFOLDED
12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED

* STAGE CODE

18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Monsanto glyphosate combinations for weed control in glyphosate-resistant corn.
AS-100

CREATED: 04/12/2008 **REVISED:** 11/11/2008

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

PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %	CON %
			TM	06/06/08	06/06/08	06/06/08	06/06/08	06/06/08	06/06/08
1A	DUAL II MAGNUM	1.20	LAA 9	0	94	76	83	93	55
	B»IMPACT 2.8SC	0.011	LAA 11						
	C»COC	1.00	PMV 11						
	D»LIQUID AMS	2.50	PMV 11						
2A	DUAL II MAGNUM	1.20	LAA 9	0	99	96	97	99	82
	B»IMPACT 2.8SC	0.011	LAA 11						
	C»RNDUP POWERMAX	0.75	LAA 11						
	D»LIQUID AMS	2.50	PMV 11						
3A	DUAL II MAGNUM	1.20	LAA 9	0	96	94	95	99	67
	B»IMPACT 2.8SC	0.016	LAA 11						
	C»COC	1.00	PMV 11						
	D»LIQUID AMS	2.50	PMV 11						
4A	DUAL II MAGNUM	1.20	LAA 9	0	96	94	95	99	67
	B»IMPACT 2.8SC	0.016	LAA 11						
	C»RNDUP POWERMAX	0.75	LAA 11						
	D»LIQUID AMS	2.50	PMV 11						
5A	DUAL II MAGNUM	1.20	LAA 9	0	93	94	96	97	82
	B»STATUS 56DG	0.088	LAA 11						
	C»COC	1.00	PMV 11						
	D»LIQUID AMS	2.50	PMV 11						
6A	DUAL II MAGNUM	1.20	LAA 9	0	98	98	99	97	90
	B»STATUS 56DG	0.088	LAA 11						
	C»RNDUP POWERMAX	0.75	LAA 11						
	D»LIQUID AMS	2.50	PMV 11						
7A	DUAL II MAGNUM	1.20	LAA 9	0	99	98	99	99	93
	B»STATUS 56DG	0.175	LAA 11						
	C»IMPACT 2.8SC	0.016	LAA 11						
	D»COC	1.00	PMV 11						
	E»LIQUID AMS	2.50	PMV 11						
8A	CHECK	0.00	NA 0	0	0	0	0	0	0
9A	DUAL II MAGNUM	1.20	LAA 9	0	99	99	99	99	92
	B»STATUS 56DG	0.175	LAA 11						
	C»RNDUP POWERMAX	0.75	LAA 11						
	D»LIQUID AMS	2.50	PMV 11						
10A	DUAL II MAGNUM	1.20	LAA 9	0	96	84	89	85	67
	B»RNDUP POWERMAX	0.75	LAA 11						
	C»LIQUID AMS	2.50	PMV 11						
	D»RNDUP POWERMAX	0.75	LAA 13						
	E»LIQUID AMS	2.50	PMV 13						
LSD (0.05)				0.00	2.86	7.09	4.77	3.00	5.20
STANDARD DEVIATION				0.00	1.36	3.38	2.27	1.45	2.48

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PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE			XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %	CON %
					06/06/08	07/03/08	07/03/08	07/03/08	07/03/08	07/03/08
1A	DUAL II MAGNUM	1.20	LAA	9	77	0	89	65	72	91
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
2A	DUAL II MAGNUM	1.20	LAA	9	88	0	99	89	93	98
	B»IMPACT 2.8SC	0.011	LAA	11						
	C»RNDUP POWERMAX	0.75	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
3A	DUAL II MAGNUM	1.20	LAA	9	84	0	97	83	85	99
	B»IMPACT 2.8SC	0.016	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
4A	DUAL II MAGNUM	1.20	LAA	9	84	0	99	94	96	99
	B»IMPACT 2.8SC	0.016	LAA	11						
	C»RNDUP POWERMAX	0.75	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
5A	DUAL II MAGNUM	1.20	LAA	9	89	0	85	99	94	96
	B»STATUS 56DG	0.088	LAA	11						
	C»COC	1.00	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
6A	DUAL II MAGNUM	1.20	LAA	9	94	0	99	99	99	98
	B»STATUS 56DG	0.088	LAA	11						
	C»RNDUP POWERMAX	0.75	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
7A	DUAL II MAGNUM	1.20	LAA	9	97	0	95	97	96	98
	B»STATUS 56DG	0.175	LAA	11						
	C»IMPACT 2.8SC	0.016	LAA	11						
	D»COC	1.00	PMV	11						
	E»LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A	DUAL II MAGNUM	1.20	LAA	9	97	0	98	99	99	97
	B»STATUS 56DG	0.175	LAA	11						
	C»RNDUP POWERMAX	0.75	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
10A	DUAL II MAGNUM	1.20	LAA	9	78	0	99	99	99	99
	B»RNDUP POWERMAX	0.75	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
	D»RNDUP POWERMAX	0.75	LAA	13						
	E»LIQUID AMS	2.50	PMV	13						
LSD (0.05)					6.18	0.00	3.42	4.46	4.76	3.21
STANDARD DEVIATION					2.94	0.00	1.63	2.12	2.27	1.53

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PLOT AREA: 225.00 SFT

REPS: 03

TRT	TREATMENT	DOSAGE	PHBPU	XANST	YIELD		
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	BU/A
					07/03/08	07/03/08	10/29/08
1A	DUAL II MAGNUM	1.20	LAA	9	45	40	166.0
	B»IMPACT 2.8SC	0.011	LAA	11			
	C»COC	1.00	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			
2A	DUAL II MAGNUM	1.20	LAA	9	80	70	189.9
	B»IMPACT 2.8SC	0.011	LAA	11			
	C»RNDUP POWERMAX	0.75	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
3A	DUAL II MAGNUM	1.20	LAA	9	58	55	170.2
	B»IMPACT 2.8SC	0.016	LAA	11			
	C»COC	1.00	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			
4A	DUAL II MAGNUM	1.20	LAA	9	84	84	196.0
	B»IMPACT 2.8SC	0.016	LAA	11			
	C»RNDUP POWERMAX	0.75	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
5A	DUAL II MAGNUM	1.20	LAA	9	82	75	179.5
	B»STATUS 56DG	0.088	LAA	11			
	C»COC	1.00	PMV	11			
	D»LIQUID AMS	2.50	PMV	11			
6A	DUAL II MAGNUM	1.20	LAA	9	90	86	197.4
	B»STATUS 56DG	0.088	LAA	11			
	C»RNDUP POWERMAX	0.75	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
7A	DUAL II MAGNUM	1.20	LAA	9	82	73	185.9
	B»STATUS 56DG	0.175	LAA	11			
	C»IMPACT 2.8SC	0.016	LAA	11			
	D»COC	1.00	PMV	11			
	E»LIQUID AMS	2.50	PMV	11			
8A	CHECK	0.00	NA	0	0	0	109.2
9A	DUAL II MAGNUM	1.20	LAA	9	91	77	176.6
	B»STATUS 56DG	0.175	LAA	11			
	C»RNDUP POWERMAX	0.75	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
10A	DUAL II MAGNUM	1.20	LAA	9	97	96	196.6
	B»RNDUP POWERMAX	0.75	LAA	11			
	C»LIQUID AMS	2.50	PMV	11			
	D»RNDUP POWERMAX	0.75	LAA	13			
	E»LIQUID AMS	2.50	PMV	13			
LSD (0.05)					11.12	9.22	13.30
STANDARD DEVIATION					5.29	4.39	6.33

» = SUPPLEMENTAL CHEMICAL

*** TIMING CODES**

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE

11 = ----- / EPOST 05/28/2008(1)

13 = ----- / LPOST 06/09/2008(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 %	06/06/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	SETFA	CON %	06/06/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/06/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/06/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/06/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/06/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/06/2008	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	07/03/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/03/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/03/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	07/03/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/03/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	07/03/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	07/03/2008	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	YIELD	BU/A	10/29/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)

01 = PIONEER 34A20