

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
PH: 6.1
%OM: 5.5
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	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	04/23/08	05/28/08	06/05/08	AME
AIR TEMPERATURE	75	61	84	F
% REL.HUMIDITY	45	42	68	
WIND DIRECTION	NORTHEAST	NORTHEAST	SOUTHWEST	
WIND SPEED	7.0	6.0	13.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	20.00	
SCREEN SIZE	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	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		---/13	---/15	
PIONEER 34A20		6.00/6.00	12.0/16.0	IN
04/23/2008				
*** PEST ***				
VELVETLEAF		---/11	---/16	
		1.00/1.00	2.00/6.00	IN
WATERHEMP, COMMO		---/18	---/19	
		1.00/2.00	2.00/6.00	IN
LAMBSQUARTERS, C		---/19	---/19	
		1.00/3.00	2.00/6.00	IN
MORNINGGLORY, TA		---/13	---/19	
		1.00/1.00	2.00/4.00	IN
FOXTAIL, GIANT		---/12	---/16	
		1.00/4.00	4.00/10.0	IN

* TIMING CODES

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

* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
12 = 2 LEAVES UNFOLDED
13 = 3 LEAVES UNFOLDED
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Glyphosate tank-mixtures for weed control in glyphosate-resistant corn. AS-400
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 NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/18/08	CON % 06/18/08	CON % 06/18/08	CON % 06/18/08	CON % 06/18/08	CON % 06/18/08
1A	GUARDSMAN MAX	1.56	LAA	9	0	98	99	99	94	83
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
2A	GUARDSMAN MAX	1.56	LAA	9	0	98	99	99	98	96
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»STATUS 56DG	0.088	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A	RNDUP POWERMAX	0.77	LAA	11	0	89	85	68	72	67
	B»LIQUID AMS	2.50	PMV	11						
4A	RNDUP POWERMAX	0.77	LAA	11	0	91	99	85	93	83
	B»STATUS 56DG	0.088	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
5A	RNDUP POWERMAX	0.77	LAA	11	0	92	99	94	97	93
	B»STATUS 56DG	0.175	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
6A	RNDUP POWERMAX	0.77	LAA	11	0	83	99	91	98	77
	B CALLISTO 4SC	0.047	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
7A	HALEX GT 4.38L	2.19	LAA	11	0	97	99	99	99	94
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
8A	RNDUP POWERMAX	0.77	LAA	12	11	99	99	93	96	89
	B»LIQUID AMS	2.50	PMV	12						
9A	TOUCHDN TOTAL	0.78	LAA	12	13	99	99	91	97	91
	B NORTHSTAR	0.148	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
10A	RNDUP POWERMAX	0.56	LAA	12	7	99	98	97	98	90
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»SUPERB HC	0.50	PMV	12						
	D»ALLIANCE	1.25	PMV	12						
11A	RNDUP POWERMAX	0.56	LAA	12	8	99	99	95	99	93
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»DESTINY HC	0.50	PMV	12						
	D»ALLIANCE	1.25	PMV	12						
12A	RNDUP POWERMAX	0.56	LAA	12	7	99	99	94	99	88
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»SUPERB HC	0.50	PMV	12						
	D»ALLIANCE	1.25	PMV	12						
	E»INTERLOCK	4.00	ZMA	12						
13A	RNDUP POWERMAX	0.56	LAA	12	8	99	97	89	98	81
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»DESTINY HC	0.50	PMV	12						
	D»ALLIANCE	1.25	PMV	12						
	E»INTERLOCK	4.00	ZMA	12						
14A	RNDUP POWERMAX	0.56	LAA	12	7	99	99	95	96	86
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»ALLIANCE	1.25	PMV	12						
	D»INTERLOCK	4.00	ZMA	12						
15A	RNDUP POWERMAX	0.56	LAA	12	9	98	99	92	97	88
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»PRIME OIL	1.25	PMV	12						
	D»N-PAK AMS	4.00	ZMA	12						

TITLE: Glyphosate tank-mixtures for weed control in glyphosate-resistant corn. AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT TM	CON % 06/18/08	CON % 06/18/08	CON % 06/18/08	CON % 06/18/08	CON % 06/18/08	CON % 06/18/08
16A»	RNDUP POWERMAX	0.56	LAA 12	8	98	99	91	96	89
	B»STATUS 56DG	0.088	LAA 12						
	C»SUPERB HC	0.50	PMV 12						
	D»ALLIANCE	1.25	PMV 12						
	E»INTERLOCK	4.00	ZMA 12						
17A»	RNDUP POWERMAX	0.56	LAA 12	3	98	98	90	95	90
	B»STATUS 56DG	0.088	LAA 12						
	C»DESTINY HC	0.50	PMV 12						
	D»ALLIANCE	1.25	PMV 12						
	E»INTERLOCK	4.00	ZMA 12						
18A»	RNDUP POWERMAX	0.56	LAA 12	6	99	99	94	98	91
	B»STATUS 56DG	0.088	LAA 12						
	C»ALLIANCE	1.25	PMV 12						
	D»INTERLOCK	4.00	ZMA 12						
19A»	RNDUP POWERMAX	0.56	LAA 12	10	99	99	89	96	90
	B»STATUS 56DG	0.088	LAA 12						
	C»CLASS ACT NG	2.50	PMV 12						
	D»AGM 07027	1.25	PMV 12						
20A»	RNDUP POWERMAX	0.56	LAA 12	12	99	98	83	95	86
	B»STATUS 56DG	0.088	LAA 12						
	C»ACTIVATE PLUS	0.25	PMV 12						
	D»N-PAK AMS	4.00	ZMA 12						
		LSD (0.05)		5.81	2.59	2.07	6.43	3.56	8.14
		STANDARD DEVIATION		2.87	1.28	1.00	3.18	1.76	4.00

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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 NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 07/03/08	CON % 07/03/08	CON % 07/03/08	CON % 07/03/08	CON % 07/03/08	CON % 07/03/08
1A	GUARDSMAN MAX	1.56	LAA	9	0	99	99	98	97	94
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
2A	GUARDSMAN MAX	1.56	LAA	9	0	98	99	99	99	97
	B»RNDUP POWERMAX	0.77	LAA	12						
	C»STATUS 56DG	0.088	LAA	12						
	D»LIQUID AMS	2.50	PMV	12						
3A	RNDUP POWERMAX	0.77	LAA	11	0	86	89	65	57	47
	B»LIQUID AMS	2.50	PMV	11						
4A	RNDUP POWERMAX	0.77	LAA	11	0	88	96	84	77	78
	B»STATUS 56DG	0.088	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
5A	RNDUP POWERMAX	0.77	LAA	11	0	87	98	90	83	87
	B»STATUS 56DG	0.175	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
6A	RNDUP POWERMAX	0.77	LAA	11	0	81	93	90	99	73
	B CALLISTO 4SC	0.047	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
7A	HALEX GT 4.38L	2.19	LAA	11	0	96	99	99	99	90
	B ATRAZINE DF	1.00	LAA	11						
	C»ACTIVATOR 90	0.25	PMV	11						
	D»LIQUID AMS	2.50	PMV	11						
8A	RNDUP POWERMAX	0.77	LAA	12	0	98	84	89	93	75
	B»LIQUID AMS	2.50	PMV	12						
9A	TOUCHDN TOTAL	0.78	LAA	12	0	99	98	93	98	90
	B NORTHSTAR	0.148	LAA	12						
	C»LIQUID AMS	2.50	PMV	12						
10A	RNDUP POWERMAX	0.56	LAA	12	0	99	96	95	98	84
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»SUPERB HC	0.50	PMV	12						
	D»ALLIANCE	1.25	PMV	12						
11A	RNDUP POWERMAX	0.56	LAA	12	0	99	99	96	99	92
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»DESTINY HC	0.50	PMV	12						
	D»ALLIANCE	1.25	PMV	12						
12A	RNDUP POWERMAX	0.56	LAA	12	0	99	99	95	99	90
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»SUPERB HC	0.50	PMV	12						
	D»ALLIANCE	1.25	PMV	12						
	E»INTERLOCK	4.00	ZMA	12						
13A	RNDUP POWERMAX	0.56	LAA	12	0	98	99	98	99	90
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»DESTINY HC	0.50	PMV	12						
	D»ALLIANCE	1.25	PMV	12						
	E»INTERLOCK	4.00	ZMA	12						
14A	RNDUP POWERMAX	0.56	LAA	12	0	99	99	97	99	91
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»ALLIANCE	1.25	PMV	12						
	D»INTERLOCK	4.00	ZMA	12						
15A	RNDUP POWERMAX	0.56	LAA	12	0	99	99	96	99	88
	B»LAUDIS 3.5SC	0.082	LAA	12						
	C»PRIME OIL	1.25	PMV	12						
	D»N-PAK AMS	4.00	ZMA	12						

TITLE: Glyphosate tank-mixtures for weed control in glyphosate-resistant corn. AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT TM	CON % 07/03/08	CON % 07/03/08	CON % 07/03/08	CON % 07/03/08	CON % 07/03/08	CON % 07/03/08
16A»	RNDUP POWERMAX	0.56	LAA 12	0	99	99	93	99	95
	B»STATUS 56DG	0.088	LAA 12						
	C»SUPERB HC	0.50	PMV 12						
	D»ALLIANCE	1.25	PMV 12						
	E»INTERLOCK	4.00	ZMA 12						
17A»	RNDUP POWERMAX	0.56	LAA 12	0	99	99	93	99	95
	B»STATUS 56DG	0.088	LAA 12						
	C»DESTINY HC	0.50	PMV 12						
	D»ALLIANCE	1.25	PMV 12						
	E»INTERLOCK	4.00	ZMA 12						
18A»	RNDUP POWERMAX	0.56	LAA 12	0	98	99	94	99	94
	B»STATUS 56DG	0.088	LAA 12						
	C»ALLIANCE	1.25	PMV 12						
	D»INTERLOCK	4.00	ZMA 12						
19A»	RNDUP POWERMAX	0.56	LAA 12	0	99	99	91	99	93
	B»STATUS 56DG	0.088	LAA 12						
	C»CLASS ACT NG	2.50	PMV 12						
	D»AGM 07027	1.25	PMV 12						
20A»	RNDUP POWERMAX	0.56	LAA 12	0	99	99	89	98	89
	B»STATUS 56DG	0.088	LAA 12						
	C»ACTIVATE PLUS	0.25	PMV 12						
	D»N-PAK AMS	4.00	ZMA 12						
		LSD (0.05)		0.00	2.62	2.28	4.85	4.30	6.28
		STANDARD DEVIATION		0.00	1.30	1.13	2.40	2.13	3.11

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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 NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/29/08
		RATE	UNIT TM	
1A	GUARDSMAN MAX	1.56	LAA 9	219.0
	B»RNDUP POWERMAX	0.77	LAA 12	
	C»LIQUID AMS	2.50	PMV 12	
2A	GUARDSMAN MAX	1.56	LAA 9	223.7
	B»RNDUP POWERMAX	0.77	LAA 12	
	C»STATUS 56DG	0.088	LAA 12	
	D»LIQUID AMS	2.50	PMV 12	
3A»	RNDUP POWERMAX	0.77	LAA 11	215.8
	B»LIQUID AMS	2.50	PMV 11	
4A»	RNDUP POWERMAX	0.77	LAA 11	211.4
	B»STATUS 56DG	0.088	LAA 11	
	C»LIQUID AMS	2.50	PMV 11	
5A»	RNDUP POWERMAX	0.77	LAA 11	207.6
	B»STATUS 56DG	0.175	LAA 11	
	C»LIQUID AMS	2.50	PMV 11	
6A»	RNDUP POWERMAX	0.77	LAA 11	218.3
	B CALLISTO 4SC	0.047	LAA 11	
	C»LIQUID AMS	2.50	PMV 11	
7A»	HALEX GT 4.38L	2.19	LAA 11	224.3
	B ATRAZINE DF	1.00	LAA 11	
	C»ACTIVATOR 90	0.25	PMV 11	
	D»LIQUID AMS	2.50	PMV 11	
8A»	RNDUP POWERMAX	0.77	LAA 12	194.6
	B»LIQUID AMS	2.50	PMV 12	
9A»	TOUCHDN TOTAL	0.78	LAA 12	201.1
	B NORTHSTAR	0.148	LAA 12	
	C»LIQUID AMS	2.50	PMV 12	
10A»	RNDUP POWERMAX	0.56	LAA 12	213.7
	B»LAUDIS 3.5SC	0.082	LAA 12	
	C»SUPERB HC	0.50	PMV 12	
	D»ALLIANCE	1.25	PMV 12	
11A»	RNDUP POWERMAX	0.56	LAA 12	213.4
	B»LAUDIS 3.5SC	0.082	LAA 12	
	C»DESTINY HC	0.50	PMV 12	
	D»ALLIANCE	1.25	PMV 12	
12A»	RNDUP POWERMAX	0.56	LAA 12	217.5
	B»LAUDIS 3.5SC	0.082	LAA 12	
	C»SUPERB HC	0.50	PMV 12	
	D»ALLIANCE	1.25	PMV 12	
	E»INTERLOCK	4.00	ZMA 12	
13A»	RNDUP POWERMAX	0.56	LAA 12	207.9
	B»LAUDIS 3.5SC	0.082	LAA 12	
	C»DESTINY HC	0.50	PMV 12	
	D»ALLIANCE	1.25	PMV 12	
	E»INTERLOCK	4.00	ZMA 12	
14A»	RNDUP POWERMAX	0.56	LAA 12	198.3
	B»LAUDIS 3.5SC	0.082	LAA 12	
	C»ALLIANCE	1.25	PMV 12	
	D»INTERLOCK	4.00	ZMA 12	
15A»	RNDUP POWERMAX	0.56	LAA 12	199.5
	B»LAUDIS 3.5SC	0.082	LAA 12	
	C»PRIME OIL	1.25	PMV 12	
	D»N-PAK AMS	4.00	ZMA 12	

TITLE: Glyphosate tank-mixtures for weed control in glyphosate-resistant corn. AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/29/08
		RATE	UNIT TM	
16A	RNDUP POWERMAX	0.56	LAA 12	203.5
	B>>STATUS 56DG	0.088	LAA 12	
	C>>SUPERB HC	0.50	PMV 12	
	D>>ALLIANCE	1.25	PMV 12	
	E>>INTERLOCK	4.00	ZMA 12	
17A	RNDUP POWERMAX	0.56	LAA 12	206.5
	B>>STATUS 56DG	0.088	LAA 12	
	C>>DESTINY HC	0.50	PMV 12	
	D>>ALLIANCE	1.25	PMV 12	
	E>>INTERLOCK	4.00	ZMA 12	
18A	RNDUP POWERMAX	0.56	LAA 12	199.1
	B>>STATUS 56DG	0.088	LAA 12	
	C>>ALLIANCE	1.25	PMV 12	
	D>>INTERLOCK	4.00	ZMA 12	
19A	RNDUP POWERMAX	0.56	LAA 12	202.5
	B>>STATUS 56DG	0.088	LAA 12	
	C>>CLASS ACT NG	2.50	PMV 12	
	D>>AGM 07027	1.25	PMV 12	
20A	RNDUP POWERMAX	0.56	LAA 12	202.7
	B>>STATUS 56DG	0.088	LAA 12	
	C>>ACTIVATE PLUS	0.25	PMV 12	
	D>>N-PAK AMS	4.00	ZMA 12	
		LSD (0.05)		17.91
		STANDARD DEVIATION		8.86

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

09 = ----- / PREEMERGENCE 04/23/2008(1)
11 = ----- / EPOST 05/28/2008(2)
12 = ----- / POST 06/05/2008(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	CON %	06/18/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/18/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/18/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/18/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/18/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/18/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	07/03/2008	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/03/2008	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/03/2008	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/03/2008	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/03/2008	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/03/2008	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	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