

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: 0
PLOT WIDTH: 10 X 30 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	04	UNIT
TIMINGS	09	11	12	13	
TYPE	LIQMIX	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/22/06	06/14/06	06/19/06	07/13/06	AME
AIR TEMPERATURE	72	76	80	88	F
% REL.HUMIDITY	30	33	45	83	
WIND DIRECTION	NORTHWEST	NORTHEAST	NORTHWEST	SOUTHWEST	
WIND SPEED	4.0	2.0	3.0	3.0	M/H
CLOUD COVER	CLEAR	CLEAR	PARTCLDY	PARTCLDY	
DEW	NO	NO	YES	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	FLATFAN	
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	32.00	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	WATER	
INC. DATE					AME
INC. START					24H
INC. END					24H
INC. DEPTH					IN
INC. EQUIPMENT	---	---	---	---	
DENSITY /					
*** CROP ***					
SOYBEAN		---/14	---/15	---/19	
ASGROW 3203		5.00/5.00	7.00/7.00	24.0/24.0	IN
05/22/2006					
*** PEST ***					
VELVETLEAF		---/13	---/14	---/12	
		1.00/3.00	3.00/5.00	2.00/2.00	IN
WATERHEMP, COMMO		---/17	---/19	---/15	
		1.00/2.00	3.00/6.00	1.00/3.00	IN
LAMBSQUARTERS, C		---/17	---/19	---/00	
		1.00/1.00	1.00/3.00	/	IN
MORNINGGLORY, TA		---/16	---/19	---/13	
		1.00/2.00	2.00/4.00	1.00/3.00	IN
FOXTAIL, GIANT		---/13	---/15	---/12	
		1.00/4.00	3.00/6.00	2.00/4.00	IN

* TIMING CODES

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

* STAGE CODE

00 = DRY SEED; DORMANCY
12 = 2 LEAVES UNFOLDED
13 = 3 LEAVES UNFOLDED
14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Control of Common Lambsquarters in Roundup Ready Soybean. AS-200
CREATED: 05/04/2006 **REVISED:** 11/02/2006 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT TREATMENT	DOSAGE	GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM COMPONENT	RATE UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
		06/19/06	06/19/06	06/19/06	06/19/06	06/19/06	06/19/06
1A»RDUP ORIG MAX	0.75 LAA 12	0					
B»LIQUID AMS	2.50 PMV 12						
C»RDUP ORIG MAX	0.75 LAA 13						
D»LIQUID AMS	2.50 PMV 13						
2A»RDUP ORIG MAX	0.75 LAA 11	8	99	99	99	99	95
B RAPTOR 1SL	0.031 LAA 11						
C»LIQUID AMS	2.50 PMV 11						
3A VALOR 51WG	0.064 LAA 9	0	23	99	99	52	40
B»RDUP ORIG MAX	0.75 LAA 12						
C»LIQUID AMS	2.50 PMV 12						
4A VALOR 51WG	0.064 LAA 9	0	99	99	99	99	89
B»RDUP ORIG MAX	0.75 LAA 11						
C RAPTOR 1SL	0.031 LAA 11						
D»LIQUID AMS	2.50 PMV 11						
5A VALOR 51WG	0.064 LAA 9	4	89	94	96	96	86
B RAPTOR 1SL	0.031 LAA 11						
C»ACTIVATOR 90	0.25 PMV 11						
D»LIQUID AMS	2.50 PMV 11						
6A PROWL H2O 3.8	0.95 LAA 9	0	43	99	99	70	50
B VALOR 51WG	0.064 LAA 9						
C»RDUP ORIG MAX	0.75 LAA 12						
D»LIQUID AMS	2.50 PMV 12						
7A PROWL H2O 3.8	0.95 LAA 9	0	42	73	60	0	0
B»RDUP ORIG MAX	0.75 LAA 12						
C»LIQUID AMS	2.50 PMV 12						
8A PROWL H2O 3.8	0.95 LAA 9	2	88	95	91	87	86
B RAPTOR 1SL	0.031 LAA 11						
C»ACTIVATOR 90	0.25 PMV 11						
D»LIQUID AMS	2.50 PMV 11						
9A CANOPY 75WG	0.188 LAA 9	6	99	99	99	98	91
B»RDUP ORIG MAX	0.75 LAA 11						
C»HARMONY GT 50W	0.004 LAA 11						
D»LIQUID AMS	2.50 PMV 11						
10A BOUNDARY 6.5EC	1.70 LAA 9	0	90	99	99	33	23
B»RDUP ORIG MAX	0.75 LAA 12						
C»LIQUID AMS	2.50 PMV 12						
11A CHECK	0.00 NA 0	0	0	0	0	0	0
12A»RDUP ORIG MAX	0.75 LAA 11	6	99	99	99	99	91
B»HARMONY GT 50W	0.004 LAA 11						
C»LIQUID AMS	2.50 PMV 11						
13A»RDUP ORIG MAX	0.75 LAA 11	3	99	99	99	99	96
B BASAGRAN 4SL	1.00 LAA 11						
C»LIQUID AMS	2.50 PMV 11						
14A»RDUP ORIG MAX	0.75 LAA 11	12	99	99	99	99	98
B RESOURCE (0.86	0.054 LAA 11						
C»LIQUID AMS	2.50 PMV 11						
15A»PREFIX 5.32SL	1.34 LAA 9	0	73	90	93	62	45
B»RDUP ORIG MAX	0.75 LAA 12						
C»LIQUID AMS	2.50 PMV 12						
16A»HAND WEDED	0.00 NA 0	0	99	99	99	99	99
	LSD (0.05)	2.92	7.73	6.46	5.83	8.71	10.32
	STANDARD DEVIATION	1.43	3.77	3.15	2.84	4.25	5.00

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT TREATMENT	DOSAGE	GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM COMPONENT	RATE UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
		06/28/06	06/28/06	06/28/06	06/28/06	06/28/06	06/28/06
1A»RDUP ORIG MAX	0.75 LAA 12	0	99	94	96	97	77
B»LIQUID AMS	2.50 PMV 12						
C»RDUP ORIG MAX	0.75 LAA 13						
D»LIQUID AMS	2.50 PMV 13						
2A»RDUP ORIG MAX	0.75 LAA 11	0	99	98	99	99	97
B RAPTOR 1SL	0.031 LAA 11						
C»LIQUID AMS	2.50 PMV 11						
3A VALOR 51WG	0.064 LAA 9	0	99	99	99	99	89
B»RDUP ORIG MAX	0.75 LAA 12						
C»LIQUID AMS	2.50 PMV 12						
4A VALOR 51WG	0.064 LAA 9	0	99	99	99	99	92
B»RDUP ORIG MAX	0.75 LAA 11						
C RAPTOR 1SL	0.031 LAA 11						
D»LIQUID AMS	2.50 PMV 11						
5A VALOR 51WG	0.064 LAA 9	0	94	97	94	99	88
B RAPTOR 1SL	0.031 LAA 11						
C»ACTIVATOR 90	0.25 PMV 11						
D»LIQUID AMS	2.50 PMV 11						
6A PROWL H2O 3.8	0.95 LAA 9	0	99	99	99	99	84
B VALOR 51WG	0.064 LAA 9						
C»RDUP ORIG MAX	0.75 LAA 12						
D»LIQUID AMS	2.50 PMV 12						
7A PROWL H2O 3.8	0.95 LAA 9	0	99	99	99	95	82
B»RDUP ORIG MAX	0.75 LAA 12						
C»LIQUID AMS	2.50 PMV 12						
8A PROWL H2O 3.8	0.95 LAA 9	0	96	99	87	99	89
B RAPTOR 1SL	0.031 LAA 11						
C»ACTIVATOR 90	0.25 PMV 11						
D»LIQUID AMS	2.50 PMV 11						
9A CANOPY 75WG	0.188 LAA 9	0	95	99	99	99	93
B»RDUP ORIG MAX	0.75 LAA 11						
C»HARMONY GT 50W	0.004 LAA 11						
D»LIQUID AMS	2.50 PMV 11						
10A BOUNDARY 6.5EC	1.70 LAA 9	0	99	99	99	99	75
B»RDUP ORIG MAX	0.75 LAA 12						
C»LIQUID AMS	2.50 PMV 12						
11A CHECK	0.00 NA 0	0	0	0	0	0	0
12A»RDUP ORIG MAX	0.75 LAA 11	0	98	99	99	99	90
B»HARMONY GT 50W	0.004 LAA 11						
C»LIQUID AMS	2.50 PMV 11						
13A»RDUP ORIG MAX	0.75 LAA 11	0	96	99	99	99	98
B BASAGRAN 4SL	1.00 LAA 11						
C»LIQUID AMS	2.50 PMV 11						
14A»RDUP ORIG MAX	0.75 LAA 11	0	97	99	99	99	97
B RESOURCE (0.86	0.054 LAA 11						
C»LIQUID AMS	2.50 PMV 11						
15A»PREFIX 5.32SL	1.34 LAA 9	0	99	99	99	99	90
B»RDUP ORIG MAX	0.75 LAA 12						
C»LIQUID AMS	2.50 PMV 12						
16A»HAND WEDED	0.00 NA 0	0	99	99	99	99	99
LSD (0.05)		0.00	2.00	1.77	3.00	0.911	4.89
STANDARD DEVIATION		0.00	1.00	0.867	1.46	0.446	2.40

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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** 30.00 FT **LONG** **REPS:** 03

TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	GLXMA CON % 07/26/06	SETFA CON % 07/26/06	CHEAL CON % 07/26/06	AMATA CON % 07/26/06	ABUTH CON % 07/26/06	PHBPU CON % 07/26/06
1A»RDUP ORIG MAX	0.75	LAA 12	0	99	99	99	99	89
B»LIQUID AMS	2.50	PMV 12						
C»RDUP ORIG MAX	0.75	LAA 13						
D»LIQUID AMS	2.50	PMV 13						
2A»RDUP ORIG MAX	0.75	LAA 11	0	96	88	93	99	94
B RAPTOR 1SL	0.031	LAA 11						
C»LIQUID AMS	2.50	PMV 11						
3A VALOR 51WG	0.064	LAA 9	0	97	99	99	99	90
B»RDUP ORIG MAX	0.75	LAA 12						
C»LIQUID AMS	2.50	PMV 12						
4A VALOR 51WG	0.064	LAA 9	0	96	99	99	99	94
B»RDUP ORIG MAX	0.75	LAA 11						
C RAPTOR 1SL	0.031	LAA 11						
D»LIQUID AMS	2.50	PMV 11						
5A VALOR 51WG	0.064	LAA 9	0	90	97	91	98	77
B RAPTOR 1SL	0.031	LAA 11						
C»ACTIVATOR 90	0.25	PMV 11						
D»LIQUID AMS	2.50	PMV 11						
6A PROWL H2O 3.8	0.95	LAA 9	0	98	99	99	99	89
B VALOR 51WG	0.064	LAA 9						
C»RDUP ORIG MAX	0.75	LAA 12						
D»LIQUID AMS	2.50	PMV 12						
7A PROWL H2O 3.8	0.95	LAA 9	0	97	97	99	97	83
B»RDUP ORIG MAX	0.75	LAA 12						
C»LIQUID AMS	2.50	PMV 12						
8A PROWL H2O 3.8	0.95	LAA 9	0	96	96	83	96	69
B RAPTOR 1SL	0.031	LAA 11						
C»ACTIVATOR 90	0.25	PMV 11						
D»LIQUID AMS	2.50	PMV 11						
9A CANOPY 75WG	0.188	LAA 9	0	92	99	98	99	87
B»RDUP ORIG MAX	0.75	LAA 11						
C»HARMONY GT 50W	0.004	LAA 11						
D»LIQUID AMS	2.50	PMV 11						
10A BOUNDARY 6.5EC	1.70	LAA 9	0	99	99	99	98	85
B»RDUP ORIG MAX	0.75	LAA 12						
C»LIQUID AMS	2.50	PMV 12						
11A CHECK	0.00	NA 0	0	0	0	0	0	0
12A»RDUP ORIG MAX	0.75	LAA 11	0	82	87	83	96	82
B»HARMONY GT 50W	0.004	LAA 11						
C»LIQUID AMS	2.50	PMV 11						
13A»RDUP ORIG MAX	0.75	LAA 11	0	84	96	91	96	87
B BASAGRAN 4SL	1.00	LAA 11						
C»LIQUID AMS	2.50	PMV 11						
14A»RDUP ORIG MAX	0.75	LAA 11	0	82	94	93	93	75
B RESOURCE (0.86	0.054	LAA 11						
C»LIQUID AMS	2.50	PMV 11						
15A»PREFIX 5.32SL	1.34	LAA 9	0	99	99	99	99	91
B»RDUP ORIG MAX	0.75	LAA 12						
C»LIQUID AMS	2.50	PMV 12						
16A»HAND WEDED	0.00	NA 0	0	99	99	99	99	99
LSD (0.05)			0.00	4.33	3.65	5.00	1.42	7.58
STANDARD DEVIATION			0.00	2.12	1.79	2.47	0.695	3.71

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LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 10.00 FT **WIDE X** 30.00 FT **LONG** **REPS:** 03

TRT NUM	TREATMENT COMPONENT	DOSAGE		YIELD BU/A 10/25/06
		RATE	UNIT TM	
1A»	RDUP ORIG MAX	0.75	LAA 12	63.1
B»	LIQUID AMS	2.50	PMV 12	
C»	RDUP ORIG MAX	0.75	LAA 13	
D»	LIQUID AMS	2.50	PMV 13	
2A»	RDUP ORIG MAX	0.75	LAA 11	58.2
B	RAPTOR 1SL	0.031	LAA 11	
C»	LIQUID AMS	2.50	PMV 11	
3A	VALOR 51WG	0.064	LAA 9	60.2
B»	RDUP ORIG MAX	0.75	LAA 12	
C»	LIQUID AMS	2.50	PMV 12	
4A	VALOR 51WG	0.064	LAA 9	65.7
B»	RDUP ORIG MAX	0.75	LAA 11	
C	RAPTOR 1SL	0.031	LAA 11	
D»	LIQUID AMS	2.50	PMV 11	
5A	VALOR 51WG	0.064	LAA 9	50.1
B	RAPTOR 1SL	0.031	LAA 11	
C»	ACTIVATOR 90	0.25	PMV 11	
D»	LIQUID AMS	2.50	PMV 11	
6A	PROWL H2O 3.8	0.95	LAA 9	62.3
B	VALOR 51WG	0.064	LAA 9	
C»	RDUP ORIG MAX	0.75	LAA 12	
D»	LIQUID AMS	2.50	PMV 12	
7A	PROWL H2O 3.8	0.95	LAA 9	54.0
B»	RDUP ORIG MAX	0.75	LAA 12	
C»	LIQUID AMS	2.50	PMV 12	
8A	PROWL H2O 3.8	0.95	LAA 9	43.2
B	RAPTOR 1SL	0.031	LAA 11	
C»	ACTIVATOR 90	0.25	PMV 11	
D»	LIQUID AMS	2.50	PMV 11	
9A	CANOPY 75WG	0.188	LAA 9	62.3
B»	RDUP ORIG MAX	0.75	LAA 11	
C»	HARMONY GT 50W	0.004	LAA 11	
D»	LIQUID AMS	2.50	PMV 11	
10A	BOUNDARY 6.5EC	1.70	LAA 9	55.6
B»	RDUP ORIG MAX	0.75	LAA 12	
C»	LIQUID AMS	2.50	PMV 12	
11A	CHECK	0.00	NA 0	14.6
12A»	RDUP ORIG MAX	0.75	LAA 11	54.1
B»	HARMONY GT 50W	0.004	LAA 11	
C»	LIQUID AMS	2.50	PMV 11	
13A»	RDUP ORIG MAX	0.75	LAA 11	54.2
B	BASAGRAN 4SL	1.00	LAA 11	
C»	LIQUID AMS	2.50	PMV 11	
14A»	RDUP ORIG MAX	0.75	LAA 11	46.1
B	RESOURCE (0.86	0.054	LAA 11	
C»	LIQUID AMS	2.50	PMV 11	
15A»	PREFIX 5.32SL	1.34	LAA 9	55.6
B»	RDUP ORIG MAX	0.75	LAA 12	
C»	LIQUID AMS	2.50	PMV 12	
16A»	HAND WEDED	0.00	NA 0	66.7
LSD (0.05)				11.16
STANDARD DEVIATION				5.46

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/22/2006(1)
 11 = ----- / EPOST 06/14/2006(2)
 12 = ----- / POST 06/19/2006(3)
 13 = ----- / LPOST 07/13/2006(4)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/19/2006	01	P	GLXMA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/19/2006	02	P	SETFA	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/19/2006	03	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/19/2006	04	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/19/2006	05	P	ABUTH	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/19/2006	06	P	PHBPU	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	06/28/2006	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/28/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/28/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/28/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/28/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/28/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/26/2006	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/26/2006	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/26/2006	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/26/2006	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/26/2006	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/26/2006	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	YIELD	BU/A	10/25/2006	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* SPECIES COMMON NAME - CULTIVAR (IF APPLICABLE)

01 = ASGROW 3203

* STAGE CODE

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED