

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

DESIGN: RCB
REPS: 6

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	14	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	06/06/13	07/03/13	07/12/13	AME
AIR TEMPERATURE	70	78	77	F
% REL.HUMIDITY	50	68	53	
WIND DIRECTION	NORTHEAST	WEST	NORTHEAST	
WIND SPEED	3.0	2.0	5.0	M/H
CLOUD COVER	PARTCLDY	CLOUDY	CLEAR	
DEW	NO	YES	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
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	
SPRAY VOLUME UNIT	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	---	---	---	
FOLIAGE HEIGHT				FT
FOLIAGE WIDTH				FT
ROW WIDTH				FT
SPRAY VOL LWA/TRV				
S VOL LWA/TRV UNIT				
LEAF WALL AREA				M2H
TREE ROW VOLUME				M3H
SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *				
P, SOYBEAN		---/16	---/18	
N-74R		10.0/10.0	14.0/14.0	IN
(PLANTED) 06/05/2013		28 DAP	37 DAP	
PEST *				
P, VELVETLEAF		---/14 2.00/4.00	---/16 2.00/6.00	IN
P, WATERHEMP, COMMO		---/19 2.00/6.00	---/19 2.00/10.0	IN
P, LAMBSQUARTERS, C		---/19 1.00/3.00	---/19 1.00/6.00	IN
P, MORNINGGLORY, TA		---/15 2.00/4.00	---/18 2.00/6.00	IN
P, FOXTAIL, GIANT		---/16 2.00/8.00	---/18 2.00/10.0	IN

* TIMING CODES

09 = ----- / PREEMERGENCE

*** TIMING CODES**

12 = ----- / POST
14 = ----- / VLPOST

*** STAGE CODE**

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH LEAF (6TH TRIFOLIATE LEAF) UNFOLDED, 7 NODES
18 = 8 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Valent Products for Weed Control and Yield in RR Soybean. AS-100
CREATED: 05/03/2013 **REVISED:** 11/04/2013 **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: 06

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/30/13	06/30/13	06/30/13	06/30/13	06/30/13	06/30/13
1A	CHECK	0.00	NA 0	0	0	0	0	0	0
2A»	RNDUP POWERMAX	1.125	LAA 12	0	C	C	C	C	C
	B»LIQUID AMS	2.50	PMV 12						
	C»RNDUP POWERMAX	1.125	LAA 14						
	D»LIQUID AMS	2.50	PMV 14						
3A	VALOR 51WG	0.064	LAA 9	0	63	95	96	68	69
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
4A»	VALOR XLT 40WG	3.00	OMA 0	0	66	94	97	80	77
	B CLASSIC 25WG	0.019	LAA 9						
	C VALOR 51WG	0.056	LAA 9						
	D»RNDUP POWERMAX	1.125	LAA 12						
	E»LIQUID AMS	2.50	PMV 12						
5A»	FIERCE 76WG	0.14	LAA 9	0	75	97	98	83	75
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
6A»	FIERCE 76WG	0.178	LAA 9	0	83	99	99	97	87
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
7A»	AUTHOR. ASSIST	0.156	LAA 9	0	69	98	91	91	88
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
8A»	PREFIX 5.32SL	1.33	LAA 9	0	78	90	96	56	69
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
LSD (0.05)				0.00	6.13	4.33	1.83	4.39	6.39
STANDARD DEVIATION				0.00	3.00	2.14	0.907	2.17	3.16

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NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				07/17/13	07/17/13	07/17/13	07/17/13	07/17/13	07/17/13
1A	CHECK	0.00	NA 0	0	0	0	0	0	0
2A»	RNDUP POWERMAX	1.125	LAA 12	0	99	99	99	99	93
	B»LIQUID AMS	2.50	PMV 12						
	C»RNDUP POWERMAX	1.125	LAA 14						
	D»LIQUID AMS	2.50	PMV 14						
3A	VALOR 51WG	0.064	LAA 9	0	99	99	99	99	96
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
4A»	VALOR XLT 40WG	3.00	OMA 0	0	98	99	99	99	95
	B CLASSIC 25WG	0.019	LAA 9						
	C VALOR 51WG	0.056	LAA 9						
	D»RNDUP POWERMAX	1.125	LAA 12						
	E»LIQUID AMS	2.50	PMV 12						
5A»	FIERCE 76WG	0.14	LAA 9	0	99	99	99	99	95
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
6A»	FIERCE 76WG	0.178	LAA 9	0	99	99	99	99	97
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
7A»	AUTHOR. ASSIST	0.156	LAA 9	0	99	99	99	99	98
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
8A»	PREFIX 5.32SL	1.33	LAA 9	0	99	99	99	99	94
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
LSD (0.05)				0.00	0.77	0.00	0.00	0.00	2.79
STANDARD DEVIATION				0.00	0.381	0.00	0.00	0.00	1.38

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REPS: 06

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				07/31/13	07/31/13	07/31/13	07/31/13	07/31/13	07/31/13
1A	CHECK	0.00	NA 0	0	0	0	0	0	0
2A»	RNDUP POWERMAX	1.125	LAA 12	0	99	99	99	99	94
	B»LIQUID AMS	2.50	PMV 12						
	C»RNDUP POWERMAX	1.125	LAA 14						
	D»LIQUID AMS	2.50	PMV 14						
3A	VALOR 51WG	0.064	LAA 9	0	99	99	99	99	94
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
4A»	VALOR XLT 40WG	3.00	OMA 0	0	99	99	99	99	95
	B CLASSIC 25WG	0.019	LAA 9						
	C VALOR 51WG	0.056	LAA 9						
	D»RNDUP POWERMAX	1.125	LAA 12						
	E»LIQUID AMS	2.50	PMV 12						
5A»	FIERCE 76WG	0.14	LAA 9	0	99	99	99	99	92
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
6A»	FIERCE 76WG	0.178	LAA 9	0	99	99	99	99	96
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
7A»	AUTHOR. ASSIST	0.156	LAA 9	0	99	99	99	99	97
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
8A»	PREFIX 5.32SL	1.33	LAA 9	0	99	99	99	99	96
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
LSD (0.05)				0.00	0.337	0.00	0.00	0.00	2.77
STANDARD DEVIATION				0.00	0.167	0.00	0.00	0.00	1.37

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PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 06

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				10/18/13	10/18/13	10/18/13	10/18/13	10/18/13	10/18/13
1A	CHECK	0.00	NA 0	0	0	0	0	0	0
2A»	RNDUP POWERMAX	1.125	LAA 12	0	99	99	99	99	91
	B»LIQUID AMS	2.50	PMV 12						
	C»RNDUP POWERMAX	1.125	LAA 14						
	D»LIQUID AMS	2.50	PMV 14						
3A	VALOR 51WG	0.064	LAA 9	0	99	99	99	99	90
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
4A»	VALOR XLT 40WG	3.00	OMA 0	0	98	99	99	99	91
	B CLASSIC 25WG	0.019	LAA 9						
	C VALOR 51WG	0.056	LAA 9						
	D»RNDUP POWERMAX	1.125	LAA 12						
	E»LIQUID AMS	2.50	PMV 12						
5A»	FIERCE 76WG	0.14	LAA 9	0	99	99	99	99	90
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
6A»	FIERCE 76WG	0.178	LAA 9	0	99	99	99	99	93
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
7A»	AUTHOR. ASSIST	0.156	LAA 9	0	99	99	99	99	97
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
8A»	PREFIX 5.32SL	1.33	LAA 9	0	99	99	99	99	92
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
LSD (0.05)				0.00	0.709	0.00	0.00	0.00	3.82
STANDARD DEVIATION				0.00	0.351	0.00	0.00	0.00	1.89

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REPS: 06

TRT	TREATMENT	DOSAGE	YIELD		
NUM	COMPONENT	RATE	UNIT	TM	CON %
					10/21/13
1A	CHECK	0.00	NA	0	38.0
2A	»RNDUP POWERMAX	1.125	LAA	12	52.6
	B»LIQUID AMS	2.50	PMV	12	
	C»RNDUP POWERMAX	1.125	LAA	14	
	D»LIQUID AMS	2.50	PMV	14	
3A	VALOR 51WG	0.064	LAA	9	46.2
	B»RNDUP POWERMAX	1.125	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
4A	»VALOR XLT 40WG	3.00	OMA	0	48.8
	B CLASSIC 25WG	0.019	LAA	9	
	C VALOR 51WG	0.056	LAA	9	
	D»RNDUP POWERMAX	1.125	LAA	12	
	E»LIQUID AMS	2.50	PMV	12	
5A	»FIERCE 76WG	0.14	LAA	9	48.2
	B»RNDUP POWERMAX	1.125	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
6A	»FIERCE 76WG	0.178	LAA	9	49.6
	B»RNDUP POWERMAX	1.125	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
7A	»AUTHOR. ASSIST	0.156	LAA	9	50.8
	B»RNDUP POWERMAX	1.125	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
8A	»PREFIX 5.32SL	1.33	LAA	9	55.7
	B»RNDUP POWERMAX	1.125	LAA	12	
	C»LIQUID AMS	2.50	PMV	12	
		LSD (0.05)			8.60
		STANDARD DEVIATION			4.26

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 06/06/2013(1)
 12 = ----- / POST 07/03/2013(2)
 14 = ----- / VLPOST 07/12/2013(3)

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 %	06/30/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/30/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/30/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/30/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/30/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/30/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/17/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/17/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/17/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/17/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/17/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/17/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/31/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/31/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/31/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/31/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/31/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/31/2013	06	P	PHBPU		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	CTR	SS	NOTE
019	GLXMA	CON %	10/18/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	10/18/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	10/18/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	AMATA	CON %	10/18/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	ABUTH	CON %	10/18/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	10/18/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	YIELD	CON %	10/21/2013	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = N-74R