

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIX
 PH: 6.1
 %OM: 5.5
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	13	
TYPE	LIQMIX	LIQMIX	
APPLICATION DATE	06/01/09	07/01/09	AME
AIR TEMPERATURE	88	68	F
% REL.HUMIDITY	63	58	
WIND DIRECTION	SOUTHWEST	NORTHWEST	
WIND SPEED	8.0	6.0	M/H
CLOUD COVER	CLEAR	CLOUDY	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	NA	NA	
SWATH WIDTH	7.5	7.5	FT
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	---	---	
	DN/SG/MMZ		
*** CROP ***			
SOYBEAN		---/16	
A 3205RR		11.0/11.0	IN
06/01/2009			
*** PEST ***			
WATERHEMP, COMMO		---/19	
		4.00/10.0	IN
MORNINGGLORY, TA		---/19	
		4.00/8.00	IN
FOXTAIL, GIANT		---/18	
		6.00/12.0	IN
COCKLEBUR, COMMO		---/18	
		6.00/12.0	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
 13 = ----- / LPOST

* STAGE CODE

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

TITLE: Valent Herbicide Combinations for Weed Control in Soybean. AS-400
CREATED: 04/29/2009 **REVISED:** 08/28/2009 **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 RATE	UNIT	TM	GLXMA CON % 07/01/09	SETFA CON % 07/01/09	XANST CON % 07/01/09	PHBPU CON % 07/01/09	AMATA CON % 07/01/09	GLXMA CON % 07/14/09
1A»	RNDUP POWERMAX	0.77	LAA	13	0	C	C	C	C	0
B»	LIQUID AMS	2.50	PMV	13						
2A	VALOR 51WG	0.064	LAA	9	0	3	7	17	83	0
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
3A	VALOR 51WG	0.08	LAA	9	0	13	20	33	90	0
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
4A	VALOR 51WG	0.096	LAA	9	0	12	10	38	98	0
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
5A	PROWL H2O 3.8	0.95	LAA	9	0	33	0	0	63	0
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
6A»	V-10233 76WG	0.14	LAA	9	0	73	13	37	99	0
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
7A»	V-10233 76WG	0.178	LAA	9	0	82	0	52	99	0
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
8A»	VALOR XLT 40WG	0.075	LAA	0	0	38	65	43	90	0
B	CLASSIC 25WG	0.019	LAA	9						
C	VALOR 51WG	0.056	LAA	9						
D»	RNDUP POWERMAX	0.77	LAA	13						
E»	LIQUID AMS	2.50	PMV	13						
9A	GANGSTER FR	0.021	LAA	9	0	7	33	43	85	0
B	GANGSTER V	0.064	LAA	9						
C»	RNDUP POWERMAX	0.77	LAA	13						
D»	LIQUID AMS	2.50	PMV	13						
10A»	PREFIX 5.32SL	1.10	LAA	9	0	73	0	0	67	0
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
11A»	CANOPY EX 29.5	0.031	LAA	0	0	7	13	3	0	0
B	CLASSIC 25WG	0.024	LAA	9						
C»	EXPRESS 50SG	0.007	LAA	9						
D»	RNDUP POWERMAX	0.77	LAA	13						
E»	LIQUID AMS	2.50	PMV	13						
12A»	ENVIVE 41.3SG	0.077	LAA	0	0	13	33	32	90	0
B	CLASSIC 25WG	0.017	LAA	9						
C»	HARMONY 50SG	0.005	LAA	9						
D	VALOR 51WG	0.055	LAA	9						
E»	RNDUP POWERMAX	0.77	LAA	13						
F»	LIQUID AMS	2.50	PMV	13						
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	AUTHOR. FIRST	0.14	LAA	9	0	0	13	37	27	0
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						
15A	PURSUIT +	0.91	LAA	9	0	67	40	33	33	0
B»	RNDUP POWERMAX	0.77	LAA	13						
C»	LIQUID AMS	2.50	PMV	13						

TITLE: Valent Herbicide Combinations for Weed Control in Soybean. AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA		SETFA		XANST		PHBPU		AMATA		GLXMA	
		RATE	UNIT		CON %	07/01/09	CON %	07/01/09	CON %	07/01/09	CON %	07/01/09	CON %	07/01/09	CON %	07/14/09
16A	COMMAND 3ME	1.00	LAA	9		0		99		68		13		37		0
	B»SHARPEN 2.85L	0.022	LAA	9												
	C»RNDUP POWERMAX	0.77	LAA	13												
	D»LIQUID AMS	2.50	PMV	13												
		LSD (0.05)				0.00		11.72		27.55		8.54		11.47		0.00
		STANDARD DEVIATION				0.00		5.74		13.49		4.18		5.62		0.00

TITLE: Valent Herbicide Combinations for Weed Control in Soybean. AS-400
CREATED: 04/29/2009 **REVISED:** 08/28/2009 **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		SETFA	XANST	PHBPU	AMATA	GLXMA	SETFA
NUM	COMPONENT	RATE	UNIT TM	CON % 07/14/09	CON % 07/14/09	CON % 07/14/09	CON % 07/14/09	CON % 08/17/09	CON % 08/17/09
1A»	RNDUP POWERMAX	0.77	LAA 13	98	99	42	99	0	99
B»	LIQUID AMS	2.50	PMV 13						
2A	VALOR 51WG	0.064	LAA 9	99	99	48	99	0	99
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
3A	VALOR 51WG	0.08	LAA 9	99	99	62	99	0	99
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
4A	VALOR 51WG	0.096	LAA 9	99	99	67	99	0	99
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
5A	PROWL H2O 3.8	0.95	LAA 9	99	99	42	99	0	99
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
6A»	V-10233 76WG	0.14	LAA 9	99	99	50	99	0	99
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
7A»	V-10233 76WG	0.178	LAA 9	99	99	67	99	0	99
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
8A»	VALOR XLT 40WG	0.075	LAA 0	99	99	57	99	0	99
B	CLASSIC 25WG	0.019	LAA 9						
C	VALOR 51WG	0.056	LAA 9						
D»	RNDUP POWERMAX	0.77	LAA 13						
E»	LIQUID AMS	2.50	PMV 13						
9A	GANGSTER FR	0.021	LAA 9	99	99	65	99	0	99
B	GANGSTER V	0.064	LAA 9						
C»	RNDUP POWERMAX	0.77	LAA 13						
D»	LIQUID AMS	2.50	PMV 13						
10A»	PREFIX 5.32SL	1.10	LAA 9	99	99	40	99	0	99
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
11A»	CANOPY EX 29.5	0.031	LAA 0	99	99	45	99	0	99
B	CLASSIC 25WG	0.024	LAA 9						
C»	EXPRESS 50SG	0.007	LAA 9						
D»	RNDUP POWERMAX	0.77	LAA 13						
E»	LIQUID AMS	2.50	PMV 13						
12A»	ENVIVE 41.3SG	0.077	LAA 0	99	99	63	99	0	99
B	CLASSIC 25WG	0.017	LAA 9						
C»	HARMONY 50SG	0.005	LAA 9						
D	VALOR 51WG	0.055	LAA 9						
E»	RNDUP POWERMAX	0.77	LAA 13						
F»	LIQUID AMS	2.50	PMV 13						
13A	CHECK	0.00	NA 0	0	0	0	0	0	0
14A»	AUTHOR. FIRST	0.14	LAA 9	99	99	72	99	0	98
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						
15A	PURSUIT +	0.91	LAA 9	99	99	47	99	0	99
B»	RNDUP POWERMAX	0.77	LAA 13						
C»	LIQUID AMS	2.50	PMV 13						

TITLE: Valent Herbicide Combinations for Weed Control in Soybean. AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE			SETFA	XANST	PHBPU	AMATA	GLXMA	SETFA
		RATE	UNIT	TM	CON % 07/14/09	CON % 07/14/09	CON % 07/14/09	CON % 07/14/09	CON % 08/17/09	CON % 08/17/09
16A	COMMAND 3ME	1.00	LAA	9	99	99	43	99	0	99
	B»SHARPEN 2.85L	0.022	LAA	9						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»LIQUID AMS	2.50	PMV	13						
		LSD (0.05)			0.481	0.00	7.00	0.00	0.00	1.00
		STANDARD DEVIATION			0.236	0.00	3.43	0.00	0.00	0.471

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CREATED: 04/29/2009 **REVISED:** 08/28/2009 **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		XANST	PHBPU	AMATA
NUM	COMPONENT	RATE	UNIT TM	CON % 08/17/09	CON % 08/17/09	CON % 08/17/09
1A»	RNDUP POWERMAX	0.77	LAA 13	99	63	99
B»	LIQUID AMS	2.50	PMV 13			
2A	VALOR 51WG	0.064	LAA 9	99	67	99
B»	RNDUP POWERMAX	0.77	LAA 13			
C»	LIQUID AMS	2.50	PMV 13			
3A	VALOR 51WG	0.08	LAA 9	99	68	99
B»	RNDUP POWERMAX	0.77	LAA 13			
C»	LIQUID AMS	2.50	PMV 13			
4A	VALOR 51WG	0.096	LAA 9	99	68	99
B»	RNDUP POWERMAX	0.77	LAA 13			
C»	LIQUID AMS	2.50	PMV 13			
5A	PROWL H2O 3.8	0.95	LAA 9	99	65	99
B»	RNDUP POWERMAX	0.77	LAA 13			
C»	LIQUID AMS	2.50	PMV 13			
6A»	V-10233 76WG	0.14	LAA 9	99	73	99
B»	RNDUP POWERMAX	0.77	LAA 13			
C»	LIQUID AMS	2.50	PMV 13			
7A»	V-10233 76WG	0.178	LAA 9	99	70	99
B»	RNDUP POWERMAX	0.77	LAA 13			
C»	LIQUID AMS	2.50	PMV 13			
8A»	VALOR XLT 40WG	0.075	LAA 0	99	68	99
B	CLASSIC 25WG	0.019	LAA 9			
C	VALOR 51WG	0.056	LAA 9			
D»	RNDUP POWERMAX	0.77	LAA 13			
E»	LIQUID AMS	2.50	PMV 13			
9A	GANGSTER FR	0.021	LAA 9	99	67	99
B	GANGSTER V	0.064	LAA 9			
C»	RNDUP POWERMAX	0.77	LAA 13			
D»	LIQUID AMS	2.50	PMV 13			
10A»	PREFIX 5.32SL	1.10	LAA 9	99	63	99
B»	RNDUP POWERMAX	0.77	LAA 13			
C»	LIQUID AMS	2.50	PMV 13			
11A»	CANOPY EX 29.5	0.031	LAA 0	99	65	99
B	CLASSIC 25WG	0.024	LAA 9			
C»	EXPRESS 50SG	0.007	LAA 9			
D»	RNDUP POWERMAX	0.77	LAA 13			
E»	LIQUID AMS	2.50	PMV 13			
12A»	ENVIVE 41.3SG	0.077	LAA 0	99	65	99
B	CLASSIC 25WG	0.017	LAA 9			
C»	HARMONY 50SG	0.005	LAA 9			
D	VALOR 51WG	0.055	LAA 9			
E»	RNDUP POWERMAX	0.77	LAA 13			
F»	LIQUID AMS	2.50	PMV 13			
13A	CHECK	0.00	NA 0	0	0	0
14A»	AUTHOR. FIRST	0.14	LAA 9	99	68	99
B»	RNDUP POWERMAX	0.77	LAA 13			
C»	LIQUID AMS	2.50	PMV 13			
15A	PURSUIT +	0.91	LAA 9	99	67	99
B»	RNDUP POWERMAX	0.77	LAA 13			
C»	LIQUID AMS	2.50	PMV 13			

TITLE: Valent Herbicide Combinations for Weed Control in Soybean. AS-400

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	XANST CON % 08/17/09	PHBPU CON % 08/17/09	AMATA CON % 08/17/09
16A COMMAND 3ME	1.00	LAA	9	99	68	99
B»SHARPEN 2.85L	0.022	LAA	9			
C»RNDUP POWERMAX	0.77	LAA	13			
D»LIQUID AMS	2.50	PMV	13			
LSD (0.05)				0.00	8.51	0.00
STANDARD DEVIATION				0.00	4.17	0.00

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 06/01/2009(1)

13 = ----- / LPOST 07/01/2009(2)

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 %	07/01/2009	01	P	GLXMA	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	07/01/2009	02	P	SETFA	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	XANST	CON %	07/01/2009	03	P	XANST	18	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	07/01/2009	04	P	PHBPU	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	07/01/2009	05	P	AMATA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	07/14/2009	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/14/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	CON %	07/14/2009	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	07/14/2009	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/14/2009	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	08/17/2009	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	08/17/2009	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	XANST	CON %	08/17/2009	03	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	08/17/2009	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	08/17/2009	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3205RR

* STAGE CODE

16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES

18 = 8 LEAVES UNFOLDED

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

19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED