

SOIL 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

TRIAL INFORMATION

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	05/27/14	AME
AIR TEMPERATURE	84	F
% REL.HUMIDITY	43	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	4.0	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	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	
CROP *		
P, SOYBEAN	---/00	
S34 Z1 RR	0.00/0.00	IN
(PLANTED) 05/27/2014	0 DAP	

*** TIMING CODES**

09 = ----- / PREEMERGENCE

*** STAGE CODE**

00 = DRY SEED

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-200
CREATED: 05/02/2014 **REVISED:** 08/27/2014 **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	GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/18/14	06/18/14	06/18/14	06/18/14
1A	SPARTAN 4F	0.125	LAA	9	0	43	99	96
2A	SPARTAN 4F	0.25	LAA	9	0	68	99	99
3A	VALOR 51WG	0.064	LAA	9	0	33	98	94
4A	VALOR 51WG	0.096	LAA	9	0	70	99	99
5A	SPARTAN 4F	0.125	LAA	9	0	78	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				82
6A	SPARTAN 4F	0.125	LAA	9	0	99	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				94
7A	SPARTAN 4F	0.125	LAA	9	0	99	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				99
8A	SPARTAN 4F	0.125	LAA	9	0	58	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				99
9A	SPARTAN 4F	0.125	LAA	9	0	96	99	99
	B»KIH-485 85WG	0.106	LAA	9				99
10A	SPARTAN 4F	0.25	LAA	9	0	99	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				99
11A	SPARTAN 4F	0.25	LAA	9	0	99	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				98
12A	SPARTAN 4F	0.25	LAA	9	0	99	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				99
13A	SPARTAN 4F	0.25	LAA	9	0	85	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				98
14A	SPARTAN 4F	0.25	LAA	9	0	98	99	99
	B»KIH-485 85WG	0.106	LAA	9				99
15A	VALOR 51WG	0.064	LAA	9	0	91	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				88
16A	VALOR 51WG	0.064	LAA	9	1	95	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				97
17A	VALOR 51WG	0.064	LAA	9	0	99	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				92
18A	VALOR 51WG	0.064	LAA	9	0	75	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				99
19A	VALOR 51WG	0.064	LAA	9	0	98	99	99
	B»KIH-485 85WG	0.106	LAA	9				91
20A	VALOR 51WG	0.096	LAA	9	1	93	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				94
21A	VALOR 51WG	0.096	LAA	9	2	99	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				99
22A	VALOR 51WG	0.096	LAA	9	0	99	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				98
23A	VALOR 51WG	0.096	LAA	9	0	88	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				99
24A	VALOR 51WG	0.096	LAA	9	0	98	99	99
	B»KIH-485 85WG	0.106	LAA	9				99

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-200

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/18/14	06/18/14	06/18/14	06/18/14	06/18/14	06/18/14
25A	CHECK	0.00	NA 0	0	0	0	0	0	0
26A»	AUTHORITY XL 7	0.28	LAA 9	0	99	99	99	99	95
	B DUAL MAGNUM	1.90	LAA 9						
		LSD (0.05)		1.06	7.55	0.74	2.21	9.80	10.22
		STANDARD DEVIATION		0.529	3.78	0.37	1.11	4.90	5.11

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-200
CREATED: 05/02/2014 **REVISED:** 08/27/2014 **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		TM	GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		CON % 07/09/14	CON % 07/09/14	CON % 07/09/14	CON % 07/09/14	CON % 07/09/14	CON % 07/09/14
1A	SPARTAN 4F	0.125	LAA	9	0	23	99	77	47	33
2A	SPARTAN 4F	0.25	LAA	9	0	53	99	99	93	83
3A	VALOR 51WG	0.064	LAA	9	0	17	99	84	50	40
4A	VALOR 51WG	0.096	LAA	9	0	33	99	99	88	78
5A	SPARTAN 4F	0.125	LAA	9	0	40	99	99	57	57
	B»PROWL H20 3.8C	1.19	LAA	9						
6A	SPARTAN 4F	0.125	LAA	9	0	82	99	99	99	87
	B BOUNDARY 6.5EC	1.70	LAA	9						
7A	SPARTAN 4F	0.125	LAA	9	0	92	99	99	96	89
	B»PREFIX 5.32SL	1.65	LAA	9						
8A	SPARTAN 4F	0.125	LAA	9	0	47	99	99	81	88
	B»SHARPEN 2.85L	0.022	LAA	9						
9A	SPARTAN 4F	0.125	LAA	9	0	81	99	99	99	85
	B»KIH-485 85WG	0.106	LAA	9						
10A	SPARTAN 4F	0.25	LAA	9	0	79	99	99	99	88
	B»PROWL H20 3.8C	1.19	LAA	9						
11A	SPARTAN 4F	0.25	LAA	9	0	94	99	99	99	95
	B BOUNDARY 6.5EC	1.70	LAA	9						
12A	SPARTAN 4F	0.25	LAA	9	0	93	99	99	98	94
	B»PREFIX 5.32SL	1.65	LAA	9						
13A	SPARTAN 4F	0.25	LAA	9	0	78	99	99	99	94
	B»SHARPEN 2.85L	0.022	LAA	9						
14A	SPARTAN 4F	0.25	LAA	9	0	87	99	99	99	93
	B»KIH-485 85WG	0.106	LAA	9						
15A	VALOR 51WG	0.064	LAA	9	0	73	99	99	89	68
	B»PROWL H20 3.8C	1.19	LAA	9						
16A	VALOR 51WG	0.064	LAA	9	0	89	99	99	72	67
	B BOUNDARY 6.5EC	1.70	LAA	9						
17A	VALOR 51WG	0.064	LAA	9	0	90	99	99	91	74
	B»PREFIX 5.32SL	1.65	LAA	9						
18A	VALOR 51WG	0.064	LAA	9	0	47	99	99	93	85
	B»SHARPEN 2.85L	0.022	LAA	9						
19A	VALOR 51WG	0.064	LAA	9	0	90	99	99	99	84
	B»KIH-485 85WG	0.106	LAA	9						
20A	VALOR 51WG	0.096	LAA	9	0	81	99	99	88	73
	B»PROWL H20 3.8C	1.19	LAA	9						
21A	VALOR 51WG	0.096	LAA	9	0	89	99	99	97	83
	B BOUNDARY 6.5EC	1.70	LAA	9						
22A	VALOR 51WG	0.096	LAA	9	0	93	99	99	99	80
	B»PREFIX 5.32SL	1.65	LAA	9						
23A	VALOR 51WG	0.096	LAA	9	0	68	99	99	99	82
	B»SHARPEN 2.85L	0.022	LAA	9						
24A	VALOR 51WG	0.096	LAA	9	0	90	99	99	99	83
	B»KIH-485 85WG	0.106	LAA	9						

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-200

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT		CON % 07/09/14	CON % 07/09/14	CON % 07/09/14	CON % 07/09/14	CON % 07/09/14	CON % 07/09/14
25A	CHECK	0.00	NA	0	0	0	0	0	0	0
26A	AUTHORITY XL 7	0.28	LAA	9	0	94	99	99	99	90
	B DUAL MAGNUM	1.90	LAA	9						
LSD (0.05)					0.00	8.52	0.00	2.29	8.88	9.33
STANDARD DEVIATION					0.00	4.26	0.00	1.15	4.44	4.66

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-200
CREATED: 05/02/2014 **REVISED:** 08/27/2014 **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	GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					07/31/14	07/31/14	07/31/14	07/31/14
1A	SPARTAN 4F	0.125	LAA	9	0	23	99	72
2A	SPARTAN 4F	0.25	LAA	9	0	47	99	99
3A	VALOR 51WG	0.064	LAA	9	0	7	99	79
4A	VALOR 51WG	0.096	LAA	9	0	27	99	99
5A	SPARTAN 4F	0.125	LAA	9	0	30	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				47
6A	SPARTAN 4F	0.125	LAA	9	0	78	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				99
7A	SPARTAN 4F	0.125	LAA	9	0	89	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				93
8A	SPARTAN 4F	0.125	LAA	9	0	40	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				80
9A	SPARTAN 4F	0.125	LAA	9	0	78	99	99
	B»KIH-485 85WG	0.106	LAA	9				99
10A	SPARTAN 4F	0.25	LAA	9	0	73	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				99
11A	SPARTAN 4F	0.25	LAA	9	0	91	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				97
12A	SPARTAN 4F	0.25	LAA	9	0	90	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				96
13A	SPARTAN 4F	0.25	LAA	9	0	74	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				99
14A	SPARTAN 4F	0.25	LAA	9	0	84	99	99
	B»KIH-485 85WG	0.106	LAA	9				99
15A	VALOR 51WG	0.064	LAA	9	0	67	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				88
16A	VALOR 51WG	0.064	LAA	9	0	87	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				67
17A	VALOR 51WG	0.064	LAA	9	0	88	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				89
18A	VALOR 51WG	0.064	LAA	9	0	43	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				89
19A	VALOR 51WG	0.064	LAA	9	0	88	99	99
	B»KIH-485 85WG	0.106	LAA	9				99
20A	VALOR 51WG	0.096	LAA	9	0	78	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				87
21A	VALOR 51WG	0.096	LAA	9	0	87	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				96
22A	VALOR 51WG	0.096	LAA	9	0	90	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				99
23A	VALOR 51WG	0.096	LAA	9	0	63	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				99
24A	VALOR 51WG	0.096	LAA	9	0	88	99	99
	B»KIH-485 85WG	0.106	LAA	9				99

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/31/14	SETFA CON % 07/31/14	CHEAL CON % 07/31/14	AMATA CON % 07/31/14	ABUTH CON % 07/31/14	PHBPU CON % 07/31/14
25A CHECK	0.00	NA	0	0	0	0	0	0	0
26A»AUTHORITY XL 7	0.28	LAA	9	0	93	99	99	99	87
B DUAL MAGNUM	1.90	LAA	9						
	LSD (0.05)			0.00	11.59	0.00	1.57	11.00	10.00
	STANDARD DEVIATION			0.00	5.79	0.00	0.783	5.52	5.00

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/27/2014(1)

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 %	06/18/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/18/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/18/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/18/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/18/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/18/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/09/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/09/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	07/09/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/09/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	07/09/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/09/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLXMA	CON %	07/31/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/31/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/31/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/31/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/31/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/31/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = S34 Z1 RR