

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	UNIT
TIMINGS	09	
TYPE	LIQMIX	
APPLICATION DATE	05/24/11	AME
AIR TEMPERATURE	85	F
% REL.HUMIDITY	55	
WIND DIRECTION	WEST	
WIND SPEED	4.0	M/H
CLOUD COVER	PARTCLDY	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	---	
METHOD	SPRAY	
EQUIPMENT	SPRBAC	
PROPELLANT	COMCO2	
PLACEMENT	BRFOSO	
NOZZLE	FLATFAN	
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	---	
	DN/SG/MMZ	
*** CROP ***		
SOYBEAN	---/01	
NKS30-F5	/	IN
05/24/2011		

*** TIMING CODES**

09 = ----- / PREEMERGENCE

*** STAGE CODE**

01 = BEGINNING OF SEED IMBIBITION

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-400
CREATED: 04/16/2011 **REVISED:** 11/09/2011 **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	AMATA	CHEAL	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/15/11	06/15/11	06/15/11	06/15/11
1A	SPARTAN 4F	0.125	LAA	9	0	25	84	96
2A	SPARTAN 4F	0.25	LAA	9	0	67	99	99
3A	VALOR 51WG	0.064	LAA	9	0	63	89	96
4A	VALOR 51WG	0.096	LAA	9	0	65	98	99
5A	SPARTAN 4F	0.125	LAA	9	0	75	98	99
	B»PROWL H20 3.8C	1.19	LAA	9				
6A	SPARTAN 4F	0.125	LAA	9	0	94	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				
7A	SPARTAN 4F	0.125	LAA	9	0	98	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				
8A	SPARTAN 4F	0.125	LAA	9	0	43	96	93
	B»SHARPEN 2.85L	0.022	LAA	9				
9A	SPARTAN 4F	0.125	LAA	9	0	86	99	99
	B»KIH-485 85WG	0.106	LAA	9				
10A	SPARTAN 4F	0.25	LAA	9	0	78	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				
11A	SPARTAN 4F	0.25	LAA	9	0	96	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				
12A	SPARTAN 4F	0.25	LAA	9	0	96	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				
13A	SPARTAN 4F	0.25	LAA	9	0	57	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				
14A	SPARTAN 4F	0.25	LAA	9	0	97	99	99
	B»KIH-485 85WG	0.106	LAA	9				
15A	VALOR 51WG	0.064	LAA	9	0	80	96	99
	B»PROWL H20 3.8C	1.19	LAA	9				
16A	VALOR 51WG	0.064	LAA	9	0	95	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				
17A	VALOR 51WG	0.064	LAA	9	0	96	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				
18A	VALOR 51WG	0.064	LAA	9	0	60	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				
19A	VALOR 51WG	0.064	LAA	9	0	80	99	99
	B»KIH-485 85WG	0.106	LAA	9				
20A	VALOR 51WG	0.096	LAA	9	0	79	99	99
	B»PROWL H20 3.8C	1.19	LAA	9				
21A	VALOR 51WG	0.096	LAA	9	0	94	99	99
	B BOUNDARY 6.5EC	1.70	LAA	9				
22A	VALOR 51WG	0.096	LAA	9	0	97	99	99
	B»PREFIX 5.32SL	1.65	LAA	9				
23A	VALOR 51WG	0.096	LAA	9	0	55	99	99
	B»SHARPEN 2.85L	0.022	LAA	9				
24A	VALOR 51WG	0.096	LAA	9	0	84	99	99
	B»KIH-485 85WG	0.106	LAA	9				

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-400

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	AMATA	CHEAL	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/15/11	06/15/11	06/15/11	06/15/11	06/15/11	06/15/11
25A	CHECK	0.00	NA 0	0	0	0	0	0	0
26A»	AUTHORITY XL 7	0.28	LAA 9	0	94	99	99	98	90
	B DUAL MAGNUM	1.90	LAA 9						
		LSD (0.05)		0.00	7.14	2.67	3.58	8.00	9.15
		STANDARD DEVIATION		0.00	3.57	1.34	1.79	4.00	4.57

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-400
CREATED: 04/16/2011 **REVISED:** 11/09/2011 **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	GLXMA	SETFA	AMATA	CHEAL	ABUTH
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/15/11	07/12/11	07/12/11	07/12/11	07/12/11	07/12/11
1A	SPARTAN 4F	0.125	LAA 9	33	0	13	67	73	33
2A	SPARTAN 4F	0.25	LAA 9	65	0	30	96	95	77
3A	VALOR 51WG	0.064	LAA 9	47	0	23	80	94	67
4A	VALOR 51WG	0.096	LAA 9	55	0	27	95	98	76
5A	SPARTAN 4F	0.125	LAA 9	58	0	40	82	94	75
	B»PROWL H20 3.8C	1.19	LAA 9						
6A	SPARTAN 4F	0.125	LAA 9	57	0	82	99	98	75
	B BOUNDARY 6.5EC	1.70	LAA 9						
7A	SPARTAN 4F	0.125	LAA 9	72	0	91	98	98	84
	B»PREFIX 5.32SL	1.65	LAA 9						
8A	SPARTAN 4F	0.125	LAA 9	62	0	0	75	78	68
	B»SHARPEN 2.85L	0.022	LAA 9						
9A	SPARTAN 4F	0.125	LAA 9	63	0	65	98	93	75
	B»KIH-485 85WG	0.106	LAA 9						
10A	SPARTAN 4F	0.25	LAA 9	57	0	43	95	95	62
	B»PROWL H20 3.8C	1.19	LAA 9						
11A	SPARTAN 4F	0.25	LAA 9	63	0	87	99	99	78
	B BOUNDARY 6.5EC	1.70	LAA 9						
12A	SPARTAN 4F	0.25	LAA 9	77	0	92	99	99	92
	B»PREFIX 5.32SL	1.65	LAA 9						
13A	SPARTAN 4F	0.25	LAA 9	75	0	33	98	98	90
	B»SHARPEN 2.85L	0.022	LAA 9						
14A	SPARTAN 4F	0.25	LAA 9	65	0	84	99	99	85
	B»KIH-485 85WG	0.106	LAA 9						
15A	VALOR 51WG	0.064	LAA 9	53	0	43	70	90	60
	B»PROWL H20 3.8C	1.19	LAA 9						
16A	VALOR 51WG	0.064	LAA 9	57	0	93	99	99	77
	B BOUNDARY 6.5EC	1.70	LAA 9						
17A	VALOR 51WG	0.064	LAA 9	65	0	84	98	98	84
	B»PREFIX 5.32SL	1.65	LAA 9						
18A	VALOR 51WG	0.064	LAA 9	67	0	10	93	98	75
	B»SHARPEN 2.85L	0.022	LAA 9						
19A	VALOR 51WG	0.064	LAA 9	57	0	65	99	95	68
	B»KIH-485 85WG	0.106	LAA 9						
20A	VALOR 51WG	0.096	LAA 9	60	0	55	86	91	70
	B»PROWL H20 3.8C	1.19	LAA 9						
21A	VALOR 51WG	0.096	LAA 9	63	0	83	97	99	77
	B BOUNDARY 6.5EC	1.70	LAA 9						
22A	VALOR 51WG	0.096	LAA 9	70	0	94	99	99	87
	B»PREFIX 5.32SL	1.65	LAA 9						
23A	VALOR 51WG	0.096	LAA 9	62	0	10	98	97	82
	B»SHARPEN 2.85L	0.022	LAA 9						
24A	VALOR 51WG	0.096	LAA 9	73	0	65	96	97	79
	B»KIH-485 85WG	0.106	LAA 9						

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-400

TRT	TREATMENT	DOSAGE		XANST	GLXMA	SETFA	AMATA	CHEAL	ABUTH
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/15/11	07/12/11	07/12/11	07/12/11	07/12/11	07/12/11
25A	CHECK	0.00	NA 0	0	0	0	0	0	0
26A»	AUTHORITY XL 7	0.28	LAA 9	87	0	89	99	99	82
	B DUAL MAGNUM	1.90	LAA 9						
		LSD (0.05)		9.45	0.00	21.24	6.94	6.00	11.48
		STANDARD DEVIATION		4.73	0.00	10.62	3.47	3.00	5.74

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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	TREATMENT	DOSAGE		PHBPU	XANST	GLXMA	SETFA	AMATA	CHEAL
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				07/12/11	07/12/11	08/04/11	08/04/11	08/04/11	08/04/11
1A	SPARTAN 4F	0.125	LAA 9	23	0	0	0	60	67
2A	SPARTAN 4F	0.25	LAA 9	63	33	0	23	93	95
3A	VALOR 51WG	0.064	LAA 9	43	23	0	3	80	94
4A	VALOR 51WG	0.096	LAA 9	60	37	0	17	94	96
5A	SPARTAN 4F	0.125	LAA 9	58	40	0	33	78	93
	B»PROWL H20 3.8C	1.19	LAA 9						
6A	SPARTAN 4F	0.125	LAA 9	60	40	0	75	99	98
	B BOUNDARY 6.5EC	1.70	LAA 9						
7A	SPARTAN 4F	0.125	LAA 9	73	53	0	89	96	98
	B»PREFIX 5.32SL	1.65	LAA 9						
8A	SPARTAN 4F	0.125	LAA 9	40	33	0	0	68	75
	B»SHARPEN 2.85L	0.022	LAA 9						
9A	SPARTAN 4F	0.125	LAA 9	58	37	0	57	96	92
	B»KIH-485 85WG	0.106	LAA 9						
10A	SPARTAN 4F	0.25	LAA 9	53	33	0	37	92	91
	B»PROWL H20 3.8C	1.19	LAA 9						
11A	SPARTAN 4F	0.25	LAA 9	68	52	0	82	99	99
	B BOUNDARY 6.5EC	1.70	LAA 9						
12A	SPARTAN 4F	0.25	LAA 9	83	67	0	87	99	99
	B»PREFIX 5.32SL	1.65	LAA 9						
13A	SPARTAN 4F	0.25	LAA 9	84	80	0	0	98	97
	B»SHARPEN 2.85L	0.022	LAA 9						
14A	SPARTAN 4F	0.25	LAA 9	74	47	0	78	99	99
	B»KIH-485 85WG	0.106	LAA 9						
15A	VALOR 51WG	0.064	LAA 9	47	33	0	33	60	87
	B»PROWL H20 3.8C	1.19	LAA 9						
16A	VALOR 51WG	0.064	LAA 9	67	47	0	90	99	99
	B BOUNDARY 6.5EC	1.70	LAA 9						
17A	VALOR 51WG	0.064	LAA 9	75	57	0	81	96	98
	B»PREFIX 5.32SL	1.65	LAA 9						
18A	VALOR 51WG	0.064	LAA 9	67	50	0	3	87	98
	B»SHARPEN 2.85L	0.022	LAA 9						
19A	VALOR 51WG	0.064	LAA 9	47	43	0	60	99	92
	B»KIH-485 85WG	0.106	LAA 9						
20A	VALOR 51WG	0.096	LAA 9	53	37	0	47	83	89
	B»PROWL H20 3.8C	1.19	LAA 9						
21A	VALOR 51WG	0.096	LAA 9	65	53	0	80	96	99
	B BOUNDARY 6.5EC	1.70	LAA 9						
22A	VALOR 51WG	0.096	LAA 9	78	70	0	91	99	99
	B»PREFIX 5.32SL	1.65	LAA 9						
23A	VALOR 51WG	0.096	LAA 9	70	57	0	3	98	95
	B»SHARPEN 2.85L	0.022	LAA 9						
24A	VALOR 51WG	0.096	LAA 9	73	53	0	57	97	96
	B»KIH-485 85WG	0.106	LAA 9						

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-400

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	PHBPU	XANST	GLXMA	SETFA	AMATA	CHEAL
		RATE	UNIT		CON % 07/12/11	CON % 07/12/11	CON % 08/04/11	CON % 08/04/11	CON % 08/04/11	CON % 08/04/11
25A	CHECK	0.00	NA	0	0	0	0	0	0	0
26A»	AUTHORITY XL 7	0.28	LAA	9	83	65	0	86	99	99
	B DUAL MAGNUM	1.90	LAA	9						
		LSD (0.05)			11.00	14.38	0.00	10.13	7.61	7.10
		STANDARD DEVIATION			5.49	7.19	0.00	5.07	3.81	3.55

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CREATED: 04/16/2011 **REVISED:** 11/09/2011 **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	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	CON %	CON %	CON %
		UNIT	TM	08/04/11	08/04/11
1A	SPARTAN 4F	0.125	LAA	9	33
2A	SPARTAN 4F	0.25	LAA	9	73
3A	VALOR 51WG	0.064	LAA	9	60
4A	VALOR 51WG	0.096	LAA	9	72
5A	SPARTAN 4F	0.125	LAA	9	67
	B»PROWL H20 3.8C	1.19	LAA	9	53
6A	SPARTAN 4F	0.125	LAA	9	68
	B BOUNDARY 6.5EC	1.70	LAA	9	57
7A	SPARTAN 4F	0.125	LAA	9	83
	B»PREFIX 5.32SL	1.65	LAA	9	66
8A	SPARTAN 4F	0.125	LAA	9	60
	B»SHARPEN 2.85L	0.022	LAA	9	37
9A	SPARTAN 4F	0.125	LAA	9	67
	B»KIH-485 85WG	0.106	LAA	9	53
10A	SPARTAN 4F	0.25	LAA	9	57
	B»PROWL H20 3.8C	1.19	LAA	9	47
11A	SPARTAN 4F	0.25	LAA	9	72
	B BOUNDARY 6.5EC	1.70	LAA	9	60
12A	SPARTAN 4F	0.25	LAA	9	89
	B»PREFIX 5.32SL	1.65	LAA	9	79
13A	SPARTAN 4F	0.25	LAA	9	87
	B»SHARPEN 2.85L	0.022	LAA	9	78
14A	SPARTAN 4F	0.25	LAA	9	79
	B»KIH-485 85WG	0.106	LAA	9	68
15A	VALOR 51WG	0.064	LAA	9	53
	B»PROWL H20 3.8C	1.19	LAA	9	40
16A	VALOR 51WG	0.064	LAA	9	72
	B BOUNDARY 6.5EC	1.70	LAA	9	62
17A	VALOR 51WG	0.064	LAA	9	80
	B»PREFIX 5.32SL	1.65	LAA	9	68
18A	VALOR 51WG	0.064	LAA	9	72
	B»SHARPEN 2.85L	0.022	LAA	9	60
19A	VALOR 51WG	0.064	LAA	9	60
	B»KIH-485 85WG	0.106	LAA	9	43
20A	VALOR 51WG	0.096	LAA	9	62
	B»PROWL H20 3.8C	1.19	LAA	9	50
21A	VALOR 51WG	0.096	LAA	9	72
	B BOUNDARY 6.5EC	1.70	LAA	9	57
22A	VALOR 51WG	0.096	LAA	9	83
	B»PREFIX 5.32SL	1.65	LAA	9	72
23A	VALOR 51WG	0.096	LAA	9	77
	B»SHARPEN 2.85L	0.022	LAA	9	68
24A	VALOR 51WG	0.096	LAA	9	75
	B»KIH-485 85WG	0.106	LAA	9	65

TITLE: Weed Control with Residual Herbicide Tank-Mixes in Soybean. AS-400

TRT	TREATMENT	DOSAGE	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	CON %
				08/04/11	08/04/11
25A	CHECK	0.00	NA	0	0
26A	AUTHORITY XL 7	0.28	LAA	9	76
	B DUAL MAGNUM	1.90	LAA	9	78
					60
		LSD (0.05)		13.10	12.33
		STANDARD DEVIATION		6.55	6.17
					15.63
					7.81

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/24/2011(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 %	06/15/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/15/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/15/2011	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/15/2011	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/15/2011	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/15/2011	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/15/2011	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	GLXMA	CON %	07/12/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/12/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	07/12/2011	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	CHEAL	CON %	07/12/2011	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/12/2011	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	07/12/2011	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	07/12/2011	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	GLXMA	CON %	08/04/2011	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	08/04/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMATA	CON %	08/04/2011	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	CHEAL	CON %	08/04/2011	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	08/04/2011	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	08/04/2011	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	08/04/2011	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NKS30-F5