

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: 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	WATDEI	
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: Preemergence Weed Control with Nufarm Residual Herbicides in Soybean. AS-200
CREATED: 05/04/2014 **REVISED:** 08/25/2014 **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			GLXMA	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14
1A»	PANTHER 51 WDG	0.064	LAA	9	0	48	99	99	83	62
2A»	PANTHER 51 WDG	0.08	LAA	9	0	72	99	99	97	82
3A	PURSUIT 2SL	0.063	LAA	9	0	96	99	23	98	88
4A»	METRIBUZIN 75D	0.28	LAA	9	0	75	99	96	70	53
5A»	PANTHER 51 WDG	0.064	LAA	9	0	98	99	99	99	84
	B PURSUIT 2SL	0.063	LAA	9						
6A»	PANTHER 51 WDG	0.064	LAA	9	0	99	99	99	99	88
	B PURSUIT 2SL	0.063	LAA	9						
	C»METRIBUZIN 75D	0.28	LAA	9						
7A»	PANTHER 51 WDG	0.064	LAA	9	0	99	99	99	99	91
	B PURSUIT 2SL	0.05	LAA	9						
8A»	PANTHER 51 WDG	0.064	LAA	9	0	99	99	99	99	87
	B PURSUIT 2SL	0.05	LAA	9						
	C»METRIBUZIN 75D	0.28	LAA	9						
9A»	PANTHER 51 WDG	0.08	LAA	9	0	98	99	99	99	93
	B PURSUIT 2SL	0.063	LAA	9						
10A»	PANTHER 51 WDG	0.08	LAA	9	0	99	99	99	95	88
	B PURSUIT 2SL	0.063	LAA	9						
	C»METRIBUZIN 75D	0.35	LAA	9						
11A»	AUTHOR. ASSIST	0.25	LAA	9	0	96	99	99	99	92
12A»	OPTILL 68WG	0.085	LAA	9	0	96	99	99	99	90
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	PREFIX 5.32SL	1.33	LAA	9	0	96	99	99	58	50
15A»	STATEMENT 5.25	1.31	LAA	9	0	97	99	99	63	52
16A	PROWL H2O 3.8	1.19	LAA	9	0	78	99	99	68	47
	B SENCOR 75WG	0.375	LAA	9						
		LSD (0.05)			0.00	7.49	0.00	3.18	13.25	11.00
		STANDARD DEVIATION			0.00	3.67	0.00	1.56	6.49	5.41

TITLE: Preemergence Weed Control with Nufarm Residual Herbicides in Soybean. AS-200
CREATED: 05/04/2014 **REVISED:** 08/25/2014 **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			PHBPU CON % 07/01/14	XANST CON % 07/01/14	GLXMA CON % 07/16/14	SETFA CON % 07/16/14	CHEAL CON % 07/16/14	AMATA CON % 07/16/14
		RATE	UNIT	TM						
1A»	PANTHER 51 WDG	0.064	LAA	9	57	50	0	33	99	85
2A»	PANTHER 51 WDG	0.08	LAA	9	77	58	0	53	99	99
3A	PURSUIT 2SL	0.063	LAA	9	85	78	0	95	99	40
4A»	METRIBUZIN 75D	0.28	LAA	9	33	30	0	27	99	67
5A»	PANTHER 51 WDG	0.064	LAA	9	88	78	0	97	99	92
	B PURSUIT 2SL	0.063	LAA	9						
6A»	PANTHER 51 WDG	0.064	LAA	9	92	89	0	97	99	94
	B PURSUIT 2SL	0.063	LAA	9						
	C»METRIBUZIN 75D	0.28	LAA	9						
7A»	PANTHER 51 WDG	0.064	LAA	9	90	81	0	88	99	99
	B PURSUIT 2SL	0.05	LAA	9						
8A»	PANTHER 51 WDG	0.064	LAA	9	91	86	0	93	99	98
	B PURSUIT 2SL	0.05	LAA	9						
	C»METRIBUZIN 75D	0.28	LAA	9						
9A»	PANTHER 51 WDG	0.08	LAA	9	93	87	0	92	99	99
	B PURSUIT 2SL	0.063	LAA	9						
10A»	PANTHER 51 WDG	0.08	LAA	9	89	78	0	91	99	99
	B PURSUIT 2SL	0.063	LAA	9						
	C»METRIBUZIN 75D	0.35	LAA	9						
11A»	AUTHOR. ASSIST	0.25	LAA	9	94	86	0	84	99	99
12A»	OPTILL 68WG	0.085	LAA	9	87	78	0	90	99	78
13A	CHECK	0.00	NA	0	0	0	0	0	0	0
14A»	PREFIX 5.32SL	1.33	LAA	9	30	27	0	88	99	99
15A»	STATEMENT 5.25	1.31	LAA	9	40	37	0	87	99	99
16A	PROWL H2O 3.8	1.19	LAA	9	30	23	0	68	99	90
	B SENCOR 75WG	0.375	LAA	9						
		LSD (0.05)			13.20	12.94	0.00	6.61	0.00	7.83
		STANDARD DEVIATION			6.47	6.33	0.00	3.24	0.00	3.83

TITLE: Preemergence Weed Control with Nufarm Residual Herbicides in Soybean. AS-200
CREATED: 05/04/2014 **REVISED:** 08/25/2014 **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			ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %
					07/16/14	07/16/14	07/16/14
1A»	PANTHER 51 WDG	0.064	LAA	9	68	57	47
2A»	PANTHER 51 WDG	0.08	LAA	9	99	83	67
3A	PURSUIT 2SL	0.063	LAA	9	98	91	81
4A»	METRIBUZIN 75D	0.28	LAA	9	27	20	20
5A»	PANTHER 51 WDG	0.064	LAA	9	99	89	79
	B PURSUIT 2SL	0.063	LAA	9			
6A»	PANTHER 51 WDG	0.064	LAA	9	99	89	85
	B PURSUIT 2SL	0.063	LAA	9			
	C»METRIBUZIN 75D	0.28	LAA	9			
7A»	PANTHER 51 WDG	0.064	LAA	9	99	89	73
	B PURSUIT 2SL	0.05	LAA	9			
8A»	PANTHER 51 WDG	0.064	LAA	9	99	92	83
	B PURSUIT 2SL	0.05	LAA	9			
	C»METRIBUZIN 75D	0.28	LAA	9			
9A»	PANTHER 51 WDG	0.08	LAA	9	99	94	80
	B PURSUIT 2SL	0.063	LAA	9			
10A»	PANTHER 51 WDG	0.08	LAA	9	99	91	78
	B PURSUIT 2SL	0.063	LAA	9			
	C»METRIBUZIN 75D	0.35	LAA	9			
11A»	AUTHOR. ASSIST	0.25	LAA	9	99	93	84
12A»	OPTILL 68WG	0.085	LAA	9	97	85	84
13A	CHECK	0.00	NA	0	0	0	0
14A»	PREFIX 5.32SL	1.33	LAA	9	57	30	27
15A»	STATEMENT 5.25	1.31	LAA	9	55	37	30
16A	PROWL H2O 3.8	1.19	LAA	9	43	30	30
	B SENCOR 75WG	0.375	LAA	9			
		LSLSD (0.05)			6.10	8.72	11.82
		STANDARD DEVIATION			3.00	4.27	5.79

» = 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 %	06/17/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/17/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/17/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/17/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/17/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/17/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/17/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	GLXMA	CON %	07/01/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/01/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	07/01/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	07/01/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Preemergence Weed Control with Nufarm Residual Herbicides in Soybean. AS-200

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRTR	SS	NOTE
012	ABUTH	CON %	07/01/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	07/01/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	07/01/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	GLXMA	CON %	07/16/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/16/2014	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	07/16/2014	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	07/16/2014	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/16/2014	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	07/16/2014	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	07/16/2014	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = S34 Z1 RR