

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.5
 %OM: 4.0
 PREV.CROP: ZEAMD - dent corn
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 4

APPL. NUMBER	01	UNIT
TIMINGS	07	
TYPE	LIQUID MI	
APPLICATION DATE	06/07/16	AME
TIME - BEGIN	15:30	24H
TIME - END	15:40	24H
AIR TEMPERATURE	73	F
% REL.HUMIDITY	38	
WIND DIRECTION	WEST	
WIND SPEED	7.0	M/H
CLOUD COVER	PAR.CLOUD	
DEW	TO BE SEL	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	74/4.00	F/IN
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE VOLUME	0.00	GPM
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
BOOM HEIGHT	18.0	IN
SPEED	3.00	M/H
MIX SIZE	0.430	
MIX SIZE UNIT	GAL	
SPRAY VOLUME	20.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	32.00	PSI
DILUENT	WATER	
INC. DATE	06/07/16	AME
INC. START	17:30	24H
INC. END	17:45	24H
INC. DEPTH	2	IN
INC. EQUIPMENT	CULT.-FIE	
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;soya bea	---/00	
ASGROW AG3334 RR	/	IN
(PLANTED) 06/07/2016	0 DAP	

* TIMING CODES

07 = --- / PREPLANT INCORPORATED

* STAGE CODE

00 = DRY SEED

TITLE: Evaluation of Sonalan and Metribuzin PPI in Soybean. M-10S
CREATED: 06/07/2016 **REVISED:** 09/09/2016 **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: 04

TRT	TREATMENT	DOSAGE		GLXMA	SETFA	AMATA	ABUTH	PHBPU	GLXMA
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/07/16	06/07/16	06/07/16	06/07/16	06/07/16	06/14/16
1A	SONALAN HFP	0.75	LAA 7	0	94	99	99	99	0
B»	METRIBUZIN 75D	0.234	LAA 7						
2A	SONALAN HFP	0.75	LAA 7	0	98	99	99	99	0
B»	METRIBUZIN 75D	0.281	LAA 7						
3A	SONALAN HFP	0.75	LAA 7	0	96	99	99	99	0
B»	METRIBUZIN 75D	0.328	LAA 7						
4A	SONALAN HFP	0.75	LAA 7	0	92	99	99	98	0
B»	METRIBUZIN 75D	0.375	LAA 7						
5A	CHECK	0.00	NA 0	0	0	0	0	0	0
6A»	AUTHORITY MTZ	0.394	LAA 7	0	92	99	99	99	0
LSD (0.05)				0.0	6.4	0.0	0.6	0.7	0.0
STANDARD DEVIATION				0.0	3.0	0.0	0.3	0.3	0.0

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	SETFA	AMATA	ABUTH	PHBPU	GLXMA	SETFA
		RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
1A	SONALAN HFP	0.75	LAA	7	89	99	97	93	0	87
	B»METRIBUZIN 75D	0.234	LAA	7						
2A	SONALAN HFP	0.75	LAA	7	95	99	99	93	0	90
	B»METRIBUZIN 75D	0.281	LAA	7						
3A	SONALAN HFP	0.75	LAA	7	92	98	98	95	0	87
	B»METRIBUZIN 75D	0.328	LAA	7						
4A	SONALAN HFP	0.75	LAA	7	88	99	98	93	0	85
	B»METRIBUZIN 75D	0.375	LAA	7						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	AUTHORITY MTZ	0.394	LAA	7	88	99	98	94	0	85
LSD (0.05)					7.6	1.2	3.1	4.4	0.0	7.3
STANDARD DEVIATION					3.6	0.6	1.5	2.1	0.0	3.4

REPS: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	AMATA	ABUTH	PHBPU	GLXMA	SETFA	AMATA
		RATE	UNIT		CON %	CON %	CON %	CON %	CON %	CON %
					06/21/16	06/21/16	06/21/16	06/28/16	06/28/16	06/28/16
1A	SONALAN HFP	0.75	LAA	7	99	94	87	0	88	98
	B»METRIBUZIN 75D	0.234	LAA	7						
2A	SONALAN HFP	0.75	LAA	7	99	99	87	0	91	96
	B»METRIBUZIN 75D	0.281	LAA	7						
3A	SONALAN HFP	0.75	LAA	7	96	95	90	0	95	96
	B»METRIBUZIN 75D	0.328	LAA	7						
4A	SONALAN HFP	0.75	LAA	7	99	96	87	0	91	99
	B»METRIBUZIN 75D	0.375	LAA	7						
5A	CHECK	0.00	NA	0	0	0	0	0	0	0
6A»	AUTHORITY MTZ	0.394	LAA	7	99	97	91	0	84	95
LSD (0.05)					2.6	7.6	7.3	0.0	7.6	5.8
STANDARD DEVIATION					1.2	3.6	3.4	0.0	3.6	2.7

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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT WIDE X 30.00 FT LONG
PLOT AREA: 225.00 SFT

REPS: 04

TRT	TREATMENT	DOSAGE	ABUTH	PHBPU
NUM	COMPONENT	RATE	CON %	CON %
		UNIT	TM	06/28/16
1A	SONALAN HFP	0.75	LAA 7	98
	B»METRIBUZIN 75D	0.234	LAA 7	93
2A	SONALAN HFP	0.75	LAA 7	98
	B»METRIBUZIN 75D	0.281	LAA 7	94
3A	SONALAN HFP	0.75	LAA 7	95
	B»METRIBUZIN 75D	0.328	LAA 7	95
4A	SONALAN HFP	0.75	LAA 7	98
	B»METRIBUZIN 75D	0.375	LAA 7	88
5A	CHECK	0.00	NA 0	0
6A»	AUTHORITY MTZ	0.394	LAA 7	99
				95
		LSD (0.05)		2.2
		STANDARD DEVIATION		1.0
				3.5
				1.6

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 07 = --- / PREPLANT INCORPORATED 06/07/2016(1)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/07/2016	01	P	GLXMA	00	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/07/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/07/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/07/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	06/07/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/14/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/14/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	06/14/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	06/14/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/14/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	06/21/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	06/21/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	06/21/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	06/21/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	06/21/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	GLXMA	CON %	06/28/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	06/28/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMATA	CON %	06/28/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	06/28/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	06/28/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = ASGROW AG3334 RR2

* STAGE CODE

00 = DRY SEED