APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - Dent corn
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	07	09	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/31/19	05/31/19	07/02/19	AME
TIME - BEGIN	15:05	15:50	15:30	24H
TIME - END	15:15	16:00	15:40	24H
AIR TEMPERATURE	84	84	92	F
% REL.HUMIDITY	50	50	37	
WIND DIRECTION	SOUTHWEST	WEST	SOUTHWEST	
WIND SPEED	3.0	3.0	3.0	M/H
CLOUD COVER	PAR.CLOUD	PAR.CLOUD	PAR.CLOUD	
DEW	NO	NO	NO	
SOIL MOISTURE	TO BE SEL	DRY/MOIST	MOIST/DRY	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	76/4.00	76/4.00	90/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
NOZZLE VOLUME	0.00	0.00	0.00	GPM
NOZZLE NUMBER	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	N/A	N/A	N/A	
SWATH WIDTH	7.5	7.5	7.5	FT
BOOM HEIGHT	20.0	20.0	20.0	IN
SPEED	3.00	3.00	3.00	M/H
MIX SIZE	0.330	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	GAL	
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	TO BE SEL	TO BE SEL	TO BE SEL	
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	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
CROP *				
P, Soybean			---/15	
KSC35R265C			12.0/12.0	IN
(PLANTED) 05/31/2019			32 DAP	
PEST *				
P, Velvetleaf			---/16 2.00/4.00	IN
P, Waterhemp, commo			---/19 2.00/8.00	IN
P, Tall morning glo			---/18 4.00/6.00	IN

*** CONTINUE

APPLICATIONS

SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
PEST *				
P, Giant foxtail			---/16	
			10.0/12.0	IN

*** TIMING CODES**

07 = --- / PREPLANT INCORPORATED
09 = --- / PREEMERGENCE
12 = --- / POST

*** STAGE CODE**

15 = TRIFOLIOLATE LEAF ON THE 5TH NODE UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Sonalan Combinations in Soybean. VC-2
CREATED: 04/08/2019 **REVISED:** 10/31/2019 **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 % 06/13/19	GLXMA CON % 06/28/19	GLXMA CON % 07/12/19	GLXMA CON % 07/26/19	AMATA CON % 06/13/19	ABUTH CON % 06/13/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	SONALAN HFP	0.75	LAA	7	0	0	0	0	86	75
B»	RNDUP POWERMAX	1.00	LAA	12						
C»	LIQUID AMS	5.00	PMV	12						
3A	SONALAN HFP	0.75	LAA	7	0	0	0	0	89	92
B»	TRICOR 75DF	0.375	LAA	9						
C»	RNDUP POWERMAX	1.00	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
4A	SONALAN HFP	0.75	LAA	7	0	0	0	0	78	87
B»	AUTHORITY MTZ	0.45	LAA	9						
C»	RNDUP POWERMAX	1.00	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
5A	SONALAN HFP	0.75	LAA	7	0	0	0	0	80	88
B»	SONIC 70DF	0.2625	LAA	9						
C»	RNDUP POWERMAX	1.00	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
6A	SONALAN HFP	0.75	LAA	7	0	0	0	0	72	85
B»	VALOR XLT 40.3	4.00	OMA	0						
C»	VALOR SX 51WDG	0.0749	LAA	9						
D	CLASSIC 25WG	0.0258	LAA	9						
E»	RNDUP POWERMAX	1.00	LAA	12						
F»	LIQUID AMS	5.00	PMV	12						
	LSD (0.05)				0.0	0.0	0.0	0.0	25.2	6.8
	STANDARD DEVIATION				0.0	0.0	0.0	0.0	11.3	3.0

DATA MEAN

TITLE: Sonalan Combinations in Soybean. VC-2
CREATED: 04/08/2019 **REVISED:** 10/31/2019 **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	SETFA CON % 06/13/19	AMATA CON % 06/28/19	ABUTH CON % 06/28/19	SETFA CON % 06/28/19	PHBPU CON % 06/28/19	AMATA CON % 07/12/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	SONALAN HFP	0.75	LAA	7	96	73	70	84	83	74
B»	RNDUP POWERMAX	1.00	LAA	12						
C»	LIQUID AMS	5.00	PMV	12						
3A	SONALAN HFP	0.75	LAA	7	98	82	95	85	92	83
B»	TRICOR 75DF	0.375	LAA	9						
C»	RNDUP POWERMAX	1.00	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
4A	SONALAN HFP	0.75	LAA	7	96	80	93	89	93	77
B»	AUTHORITY MTZ	0.45	LAA	9						
C»	RNDUP POWERMAX	1.00	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
5A	SONALAN HFP	0.75	LAA	7	95	80	94	85	96	80
B»	SONIC 70DF	0.2625	LAA	9						
C»	RNDUP POWERMAX	1.00	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
6A	SONALAN HFP	0.75	LAA	7	95	91	94	88	93	93
B»	VALOR XLT 40.3	4.00	OMA	0						
C»	VALOR SX 51WDG	0.0749	LAA	9						
D	CLASSIC 25WG	0.0258	LAA	9						
E»	RNDUP POWERMAX	1.00	LAA	12						
F»	LIQUID AMS	5.00	PMV	12						
	LSD (0.05)				7.2	17.5	4.0	9.9	14.4	20.0
	STANDARD DEVIATION				3.2	7.9	1.8	4.4	6.5	9.0

DATA MEAN

TITLE: Sonalan Combinations in Soybean. VC-2
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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	ABUTH CON % 07/12/19	SETFA CON % 07/12/19	PHBPU CON % 07/12/19	AMATA CON % 07/26/19	ABUTH CON % 07/26/19	SETFA CON % 07/26/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	SONALAN HFP	0.75	LAA	7	88	98	88	70	83	97
B»	RNDUP POWERMAX	1.00	LAA	12						
C»	LIQUID AMS	5.00	PMV	12						
3A	SONALAN HFP	0.75	LAA	7	93	99	93	82	92	99
B»	TRICOR 75DF	0.375	LAA	9						
C»	RNDUP POWERMAX	1.00	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
4A	SONALAN HFP	0.75	LAA	7	96	99	96	72	96	99
B»	AUTHORITY MTZ	0.45	LAA	9						
C»	RNDUP POWERMAX	1.00	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
5A	SONALAN HFP	0.75	LAA	7	99	99	98	77	99	99
B»	SONIC 70DF	0.2625	LAA	9						
C»	RNDUP POWERMAX	1.00	LAA	12						
D»	LIQUID AMS	5.00	PMV	12						
6A	SONALAN HFP	0.75	LAA	7	95	98	96	93	88	97
B»	VALOR XLT 40.3	4.00	OMA	0						
C»	VALOR SX 51WDG	0.0749	LAA	9						
D	CLASSIC 25WG	0.0258	LAA	9						
E»	RNDUP POWERMAX	1.00	LAA	12						
F»	LIQUID AMS	5.00	PMV	12						
	LSD (0.05)				3.6	1.2	7.9	23.4	11.9	2.0
	STANDARD DEVIATION				1.6	0.5	3.5	10.5	5.4	0.9

DATA MEAN

TITLE: Sonalan Combinations in Soybean. VC-2
CREATED: 04/08/2019 **REVISED:** 10/31/2019 **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	PHBPU CON % 07/26/19
1A	CHECK	0.00	NA	0	0
2A	SONALAN HFP	0.75	LAA	7	87
	B»RNDUP POWERMAX	1.00	LAA	12	
	C»LIQUID AMS	5.00	PMV	12	
3A	SONALAN HFP	0.75	LAA	7	92
	B»TRICOR 75DF	0.375	LAA	9	
	C»RNDUP POWERMAX	1.00	LAA	12	
	D»LIQUID AMS	5.00	PMV	12	
4A	SONALAN HFP	0.75	LAA	7	96
	B»AUTHORITY MTZ	0.45	LAA	9	
	C»RNDUP POWERMAX	1.00	LAA	12	
	D»LIQUID AMS	5.00	PMV	12	
5A	SONALAN HFP	0.75	LAA	7	96
	B»SONIC 70DF	0.2625	LAA	9	
	C»RNDUP POWERMAX	1.00	LAA	12	
	D»LIQUID AMS	5.00	PMV	12	
6A	SONALAN HFP	0.75	LAA	7	93
	B»VALOR XLT 40.3	4.00	OMA	0	
	C»VALOR SX 51WDG	0.0749	LAA	9	
	D CLASSIC 25WG	0.0258	LAA	9	
	E»RNDUP POWERMAX	1.00	LAA	12	
	F»LIQUID AMS	5.00	PMV	12	
	LSD (0.05)				9.7
	STANDARD DEVIATION				4.4

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
07 = --- / PREPLANT INCORPORATED 05/31/2019(1)
09 = --- / PREEMERGENCE 05/31/2019(2)
12 = --- / POST 07/02/2019(3)

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 %	06/13/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	06/28/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	GLXMA	CON %	07/12/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	GLXMA	CON %	07/26/2019	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	06/13/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	06/13/2019	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	SETFA	CON %	06/13/2019	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMATA	CON %	06/28/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ABUTH	CON %	06/28/2019	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/28/2019	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	06/28/2019	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	07/12/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/12/2019	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	07/12/2019	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	07/12/2019	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	07/26/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/26/2019	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	SETFA	CON %	07/26/2019	04	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	07/26/2019	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = KSC35R265C