APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 5.8
%OM: 3.4
PREV.CROP: GLXMA - Soybean
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQUID MI	
APPLICATION DATE	06/10/20	AME
TIME - BEGIN	15:15	24H
TIME - END	15:40	24H
AIR TEMPERATURE	72	F
% REL.HUMIDITY	59	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	9.0	M/H
CLOUD COVER	OVERCAST-	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	77/4.00	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	N/A	
SWATH WIDTH	7.5	FT
BOOM HEIGHT	20.0	IN
SPEED	3.00	M/H
MIX SIZE	0.330	
MIX SIZE UNIT	GAL	
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	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	
CROP *		
P, Dent corn	---/14	
NK1082-5222A-EZ1	11.0/12.0	IN
(PLANTED) 05/13/2020	28 DAP	
PEST *		
P, Velvetleaf	---/15	
	3.00/8.00	IN
P, Waterhemp, commo	---/19	
	1.00/6.00	IN
P, Tall morning glo	---/14	
	2.00/6.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG MIN / MAX	
PEST *		
P, Giant foxtail	---/15 3.00/8.00	IN
P, Common cocklebur	---/15 3.00/7.00	IN

*** TIMING CODES**
12 = --- / POST

*** STAGE CODE**
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Evaluation of Sinate in Corn. AS-400
CREATED: 04/27/2020 **REVISED:** 10/02/2020 **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	ZEAMD CON % 06/24/20	SETFA CON % 06/24/20	AMATA CON % 06/24/20	ABUTH CON % 06/24/20	XANST CON % 06/24/20	PHBPU CON % 06/24/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»SINATE 2.57L	21.00	ZMA	12	0	99	89	99	97	75
B	»MSO	1.00	PMV	12						
C	»LIQUID AMS	6.00	PMV	12						
3A	»SINATE 2.57L	21.00	ZMA	12	5	99	94	99	98	75
B	AATREX 4L	1.00	PMA	12						
C	»MSO	1.00	PMV	12						
D	»LIQUID AMS	6.00	PMV	12						
4A	»SINATE 2.57L	28.00	ZMA	12	0	98	92	99	95	75
B	»MSO	1.00	PMV	12						
C	»LIQUID AMS	6.00	PMV	12						
5A	»IMPACT 2.8SC	1.00	ZMA	12	0	83	92	99	99	63
B	»MSO	1.00	PMV	12						
C	»LIQUID AMS	6.00	PMV	12						
6A	»LIBERTY 2.34L	32.00	ZMA	12	0	99	92	99	95	75
B	»LIQUID AMS	6.00	PMV	12						
7A	»HALEX GT 4.38L	3.60	PMA	12	5	97	83	99	99	70
B	»ACTIVATOR 90	0.25	PMV	12						
C	»LIQUID AMS	6.00	PMV	12						
8A	»IMPACT 2.8SC	0.75	ZMA	12	4	98	95	99	99	75
B	»RNDUP POWERMAX	32.00	ZMA	12						
C	AATREX 4L	1.00	PMA	12						
D	»MSO	1.00	PMV	12						
E	»LIQUID AMS	6.00	PMV	12						
	LSD (0.05)				1.2	37.1	34.2	37.0	36.6	27.8
	STANDARD DEVIATION				0.6	17.2	15.8	17.1	16.9	12.9

DATA MEAN

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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: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07/08/20	SETFA CON % 07/08/20	AMATA CON % 07/08/20	ABUTH CON % 07/08/20	XANST CON % 07/08/20	PHBPU CON % 07/08/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A»	SINATE 2.57L	21.00	ZMA	12	0	95	93	99	97	63
B»	MSO	1.00	PMV	12						
C»	LIQUID AMS	6.00	PMV	12						
3A»	SINATE 2.57L	21.00	ZMA	12	0	94	90	99	99	62
B	AATREX 4L	1.00	PMA	12						
C»	MSO	1.00	PMV	12						
D»	LIQUID AMS	6.00	PMV	12						
4A»	SINATE 2.57L	28.00	ZMA	12	0	94	88	99	95	62
B»	MSO	1.00	PMV	12						
C»	LIQUID AMS	6.00	PMV	12						
5A»	IMPACT 2.8SC	1.00	ZMA	12	0	93	96	99	99	60
B»	MSO	1.00	PMV	12						
C»	LIQUID AMS	6.00	PMV	12						
6A»	LIBERTY 2.34L	32.00	ZMA	12	0	95	95	98	96	62
B»	LIQUID AMS	6.00	PMV	12						
7A»	HALEX GT 4.38L	3.60	PMA	12	0	98	83	99	99	65
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	6.00	PMV	12						
8A»	IMPACT 2.8SC	0.75	ZMA	12	0	96	99	99	99	63
B»	RNDUP POWERMAX	32.00	ZMA	12						
C	AATREX 4L	1.00	PMA	12						
D»	MSO	1.00	PMV	12						
E»	LIQUID AMS	6.00	PMV	12						
	LSD (0.05)				0.0	36.1	35.3	36.8	36.4	24.7
	STANDARD DEVIATION				0.0	16.7	16.4	17.0	16.8	11.4

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
12 = --- / POST 06/10/2020(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/24/2020	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/24/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/24/2020	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	CON %	06/24/2020	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	XANST	CON %	06/24/2020	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/24/2020	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	07/08/2020	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/08/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	CON %	07/08/2020	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	07/08/2020	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	XANST	CON %	07/08/2020	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	07/08/2020	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = NK1082-5222A-EZ1