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	11	
TYPE	LIQUID MI	
APPLICATION DATE	06/08/20	AME
TIME - BEGIN	12:30	24H
TIME - END	12:55	24H
AIR TEMPERATURE	86	F
% REL.HUMIDITY	34	
WIND DIRECTION	SOUTHEAST	
WIND SPEED	6.0	M/H
CLOUD COVER	PAR.CLOUD	
DEW	NO	
SOIL MOISTURE	DRY/MOIST	
SOIL CONDITION	TO BE SEL	
SOIL TEMP/DEPTH	75/4.00	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	10.0/13.0	IN
(PLANTED) 05/13/2020	26 DAP	
PEST *		
P, Velvetleaf	---/15	
	3.00/4.00	IN
P, Waterhemp, commo	---/17	
	0.50/4.00	IN
P, Tall morning glo	---/14	
	2.00/4.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG MIN / MAX	
PEST *		
P, Giant foxtail	---/15	
	1.00/7.00	IN

*** TIMING CODES**
11 = --- / EPOST

*** 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
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Evaluation of ImpactCORE Programs vs Competitors. 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 % 06/15/20	ZEAMD CON % 06/22/20	SETFA CON % 06/22/20	AMATA CON % 06/22/20	ABUTH CON % 06/22/20	PHBPU CON % 06/22/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»IMPACT CORE 7.	20.00	ZMA	11	2	1	98	88	99	73
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
3A	»IMPACT CORE 7.	30.00	ZMA	11	9	5	99	95	98	77
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
4A	»IMPACT CORE 7.	20.00	ZMA	11	6	3	99	95	99	86
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	AATREX 4L	1.00	PMA	11						
D	»ACTIVATOR 90	0.25	PMV	11						
E	»LIQUID AMS	4.00	PMV	11						
5A	»IMPACT CORE 7.	30.00	ZMA	11	10	6	98	98	99	87
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	AATREX 4L	1.00	PMA	11						
D	»ACTIVATOR 90	0.25	PMV	11						
E	»LIQUID AMS	4.00	PMV	11						
6A	»IMPACT CORE 7.	30.00	ZMA	11	12	7	85	95	99	60
B	»MSO	0.25	PMV	11						
C	»LIQUID AMS	4.00	PMV	11						
7A	»IMPACT CORE 7.	30.00	ZMA	11	14	10	90	96	99	68
B	AATREX 4L	1.00	PMA	11						
C	»MSO	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
8A	»ARMEZON PRO 5.	14.00	ZMA	11	1	0	99	88	99	77
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
9A	»RESICORE 3.29S	1.25	QMA	11	2	0	99	85	99	77
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
10A	»HALEX GT 4.38L	3.60	PMA	11	1	0	99	95	99	82
B	AATREX 4L	1.00	PMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
	LSD (0.05)				1.6	1.1	0.9	7.1	1.3	8.0
	STANDARD DEVIATION				0.8	0.5	0.4	3.4	0.6	3.8

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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 % 07/06/20	AMATA CON % 07/06/20	ABUTH CON % 07/06/20	PHBPU CON % 07/06/20	SETFA CON % 07/20/20	AMATA CON % 07/20/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»IMPACT CORE 7.	20.00	ZMA	11	96	82	99	65	96	82
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
3A	»IMPACT CORE 7.	30.00	ZMA	11	98	93	99	68	98	92
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
4A	»IMPACT CORE 7.	20.00	ZMA	11	96	94	99	67	95	93
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	AATREX 4L	1.00	PMA	11						
D	»ACTIVATOR 90	0.25	PMV	11						
E	»LIQUID AMS	4.00	PMV	11						
5A	»IMPACT CORE 7.	30.00	ZMA	11	98	99	99	72	95	99
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	AATREX 4L	1.00	PMA	11						
D	»ACTIVATOR 90	0.25	PMV	11						
E	»LIQUID AMS	4.00	PMV	11						
6A	»IMPACT CORE 7.	30.00	ZMA	11	72	93	99	57	70	93
B	»MSO	0.25	PMV	11						
C	»LIQUID AMS	4.00	PMV	11						
7A	»IMPACT CORE 7.	30.00	ZMA	11	78	99	99	62	73	96
B	AATREX 4L	1.00	PMA	11						
C	»MSO	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
8A	»ARMEZON PRO 5.	14.00	ZMA	11	96	82	99	67	93	78
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
9A	»RESICORE 3.29S	1.25	QMA	11	96	88	98	67	95	87
B	»RNDUP POWERMAX	32.00	ZMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
10A	»HALEX GT 4.38L	3.60	PMA	11	94	96	99	65	93	96
B	AATREX 4L	1.00	PMA	11						
C	»ACTIVATOR 90	0.25	PMV	11						
D	»LIQUID AMS	4.00	PMV	11						
	LSD (0.05)				4.0	8.1	1.3	4.4	6.6	9.9
	STANDARD DEVIATION				1.9	3.9	0.6	2.1	3.2	4.7

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LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
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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 % 07/20/20	PHBPU CON % 07/20/20
1A	CHECK	0.00	NA	0	0	0
2A	»IMPACT CORE 7.	20.00	ZMA	11	99	63
B	»RNDUP POWERMAX	32.00	ZMA	11		
C	»ACTIVATOR 90	0.25	PMV	11		
D	»LIQUID AMS	4.00	PMV	11		
3A	»IMPACT CORE 7.	30.00	ZMA	11	99	67
B	»RNDUP POWERMAX	32.00	ZMA	11		
C	»ACTIVATOR 90	0.25	PMV	11		
D	»LIQUID AMS	4.00	PMV	11		
4A	»IMPACT CORE 7.	20.00	ZMA	11	99	62
B	»RNDUP POWERMAX	32.00	ZMA	11		
C	AATREX 4L	1.00	PMA	11		
D	»ACTIVATOR 90	0.25	PMV	11		
E	»LIQUID AMS	4.00	PMV	11		
5A	»IMPACT CORE 7.	30.00	ZMA	11	99	68
B	»RNDUP POWERMAX	32.00	ZMA	11		
C	AATREX 4L	1.00	PMA	11		
D	»ACTIVATOR 90	0.25	PMV	11		
E	»LIQUID AMS	4.00	PMV	11		
6A	»IMPACT CORE 7.	30.00	ZMA	11	99	52
B	»MSO	0.25	PMV	11		
C	»LIQUID AMS	4.00	PMV	11		
7A	»IMPACT CORE 7.	30.00	ZMA	11	98	60
B	AATREX 4L	1.00	PMA	11		
C	»MSO	0.25	PMV	11		
D	»LIQUID AMS	4.00	PMV	11		
8A	»ARMEZON PRO 5.	14.00	ZMA	11	99	62
B	»RNDUP POWERMAX	32.00	ZMA	11		
C	»ACTIVATOR 90	0.25	PMV	11		
D	»LIQUID AMS	4.00	PMV	11		
9A	»RESICORE 3.29S	1.25	QMA	11	98	67
B	»RNDUP POWERMAX	32.00	ZMA	11		
C	»ACTIVATOR 90	0.25	PMV	11		
D	»LIQUID AMS	4.00	PMV	11		
10A	»HALEX GT 4.38L	3.60	PMA	11	99	63
B	AATREX 4L	1.00	PMA	11		
C	»ACTIVATOR 90	0.25	PMV	11		
D	»LIQUID AMS	4.00	PMV	11		
	LSD (0.05)				1.4	4.3
	STANDARD DEVIATION				0.7	2.0

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
11 = --- / EPOST 06/08/2020(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 %	06/15/2020	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	06/22/2020	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	06/22/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/22/2020	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/22/2020	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Evaluation of ImpactCORE Programs vs Competitors. AS-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
006	PHBPU	CON %	06/22/2020	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	07/06/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/06/2020	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	07/06/2020	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/06/2020	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA	CON %	07/20/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	AMATA	CON %	07/20/2020	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	07/20/2020	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	PHBPU	CON %	07/20/2020	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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