APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.0
%OM: 3.6
PREV.CROP: ZEAMD - Dent corn
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 4

APPL. NUMBER	01	02	UNIT
TIMINGS	09	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/12/20	07/07/20	AME
TIME - BEGIN	09:45	12:00	24H
TIME - END	10:05	12:15	24H
AIR TEMPERATURE	81	84	F
% REL.HUMIDITY	49	77	
WIND DIRECTION	NORTH	NORTHEAST	
WIND SPEED	2.0	4.0	M/H
CLOUD COVER	CLEAR-0%	PAR.CLOUD	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	71/4.00	84/4.00	F/IN
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
NOZZLE VOLUME	0.00	0.00	GPM
NOZZLE NUMBER	5	5	
NOZZLE SPACING	18.000	18.000	IN
SCREEN SIZE			
SCREEN SZ DESC	N/A	N/A	
SWATH WIDTH	7.5	7.5	FT
BOOM HEIGHT	18.0	18.0	IN
SPEED	3.00	3.00	M/H
MIX SIZE	0.430	0.430	
MIX SIZE UNIT	GAL	GAL	
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	32.00	32.00	PSI
DILUENT	WATER	WATER	
INC. DATE			AME
INC. START			24H
INC. END			24H
INC. DEPTH			IN
INC. EQUIPMENT	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	
CROP *			
P, Soybean		---/14	
AG33X8		6.00/8.00	IN
(PLANTED) 06/11/2020		26 DAP	
PEST *			
P, Amaranth, Palmer		---/19	
		4.00/8.00	IN
P, Anoda, spurred		---/15	
		3.00/5.00	IN
P, Tall morning glo		---/16	
		2.00/4.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
PEST *			
P, Giant foxtail		---/14 1.00/8.00	IN

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

*** STAGE CODE**
14 = TRIFOLIOLATE LEAF ON THE 4TH NODE UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: A23372A Efficacy and Crop Safety in Soybean. R-3N
CREATED: 04/29/2020 **REVISED:** 12/11/2020 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 06/23/20	GLXMA CON % 07/07/20	SETFA CON % 07/07/20	AMAPA CON % 07/07/20	PHBPU CON % 07/07/20	ANVCR CON % 07/07/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»A23372A 4L	3.50	PMA	9	0	0	80	97	58	65
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
3A	»A23372A 4L	4.20	PMA	9	0	0	90	99	68	79
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
4A	»A23372A 4L	4.70	PMA	9	0	0	93	99	70	80
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
5A	»BOUNDARY 6.5EC	2.00	PMA	9	0	0	90	99	54	68
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
6A	»BROADAXE XC 7L	25.00	ZMA	9	0	0	80	99	64	68
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
7A	»SONIC 70DF	4.00	OMA	9	0	0	28	99	75	79
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
8A	»FIERCE XLT	4.50	OMA	0	0	0	68	99	70	79
B	»VALOR 51WDG	0.0691	LAA	9						
C	»ZIDUA 85WG	0.0877	LAA	9						
D	CLASSIC 25WG	0.0188	LAA	9						
E	»INTACT	0.50	PMV	11						
F	»CLASS ACT RIDI	1.00	PMV	11						
G	»TAVIUM 3.39AE	3.53	PMA	11						
H	»RNDUP POWERMAX	32.00	ZMA	11						
9A	»ZIDUA PRO 4.09	6.00	ZMA	9	0	0	68	99	78	73
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
	LSD (0.05)				0.0	0.0	9.8	2.1	11.7	12.7
	STANDARD DEVIATION				0.0	0.0	4.8	1.0	5.7	6.1

TITLE: A23372A Efficacy and Crop Safety in Soybean. R-3N
CREATED: 04/29/2020 **REVISED:** 12/11/2020 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	GLXMA CON % 07/21/20	SETFA CON % 07/21/20	AMAPA CON % 07/21/20	PHBPU CON % 07/21/20	ANVCR CON % 07/21/20	GLXMA CON % 08/04/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»A23372A 4L	3.50	PMA	9	0	98	99	98	95	0
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
3A	»A23372A 4L	4.20	PMA	9	0	99	99	98	96	0
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
4A	»A23372A 4L	4.70	PMA	9	0	99	99	98	96	0
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
5A	»BOUNDARY 6.5EC	2.00	PMA	9	0	99	99	97	96	0
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
6A	»BROADAXE XC 7L	25.00	ZMA	9	0	98	99	97	94	0
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
7A	»SONIC 70DF	4.00	OMA	9	0	96	99	97	94	0
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
8A	»FIERCE XLT	4.50	OMA	0	0	98	99	97	96	0
B	»VALOR 51WDG	0.0691	LAA	9						
C	»ZIDUA 85WG	0.0877	LAA	9						
D	CLASSIC 25WG	0.0188	LAA	9						
E	»INTACT	0.50	PMV	11						
F	»CLASS ACT RIDI	1.00	PMV	11						
G	»TAVIUM 3.39AE	3.53	PMA	11						
H	»RNDUP POWERMAX	32.00	ZMA	11						
9A	»ZIDUA PRO 4.09	6.00	ZMA	9	0	98	99	98	96	0
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
	LSD (0.05)				0.0	1.0	0.0	0.8	2.0	0.0
	STANDARD DEVIATION				0.0	0.5	0.0	0.4	1.0	0.0

TITLE: A23372A Efficacy and Crop Safety in Soybean. R-3N
CREATED: 04/29/2020 **REVISED:** 12/11/2020 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 08/04/20	AMAPA CON % 08/04/20	PHBPU CON % 08/04/20	ANVCR CON % 08/04/20	GLXMA CON % 09/29/20	SETFA CON % 09/29/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»A23372A 4L	3.50	PMA	9	98	99	96	94	0	97
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
3A	»A23372A 4L	4.20	PMA	9	99	99	98	96	0	98
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
4A	»A23372A 4L	4.70	PMA	9	99	99	98	96	0	98
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
5A	»BOUNDARY 6.5EC	2.00	PMA	9	98	99	97	96	0	96
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
6A	»BROADAXE XC 7L	25.00	ZMA	9	98	99	98	94	0	96
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
7A	»SONIC 70DF	4.00	OMA	9	95	99	98	94	0	95
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
8A	»FIERCE XLT	4.50	OMA	0	98	99	97	97	0	96
B	»VALOR 51WDG	0.0691	LAA	9						
C	»ZIDUA 85WG	0.0877	LAA	9						
D	CLASSIC 25WG	0.0188	LAA	9						
E	»INTACT	0.50	PMV	11						
F	»CLASS ACT RIDI	1.00	PMV	11						
G	»TAVIUM 3.39AE	3.53	PMA	11						
H	»RNDUP POWERMAX	32.00	ZMA	11						
9A	»ZIDUA PRO 4.09	6.00	ZMA	9	98	99	98	95	0	97
B	»INTACT	0.50	PMV	11						
C	»CLASS ACT RIDI	1.00	PMV	11						
D	»TAVIUM 3.39AE	3.53	PMA	11						
E	»RNDUP POWERMAX	32.00	ZMA	11						
	LSD (0.05)				1.5	0.0	2.1	2.6	0.0	2.5
	STANDARD DEVIATION				0.7	0.0	1.0	1.3	0.0	1.2

DATA MEAN

TITLE: A23372A Efficacy and Crop Safety in Soybean. R-3N
CREATED: 04/29/2020 **REVISED:** 12/11/2020 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	AMAPA CON % 09/29/20	PHBPU CON % 09/29/20	ANVCR CON % 09/29/20	YIELD BU/A 10/15/20
1A	CHECK	0.00	NA	0	0	0	0	2.1
2A	»A23372A 4L	3.50	PMA	9	99	95	91	59.1
B	»INTACT	0.50	PMV	11				
C	»CLASS ACT RIDI	1.00	PMV	11				
D	»TAVIUM 3.39AE	3.53	PMA	11				
E	»RNDUP POWERMAX	32.00	ZMA	11				
3A	»A23372A 4L	4.20	PMA	9	99	97	93	61.0
B	»INTACT	0.50	PMV	11				
C	»CLASS ACT RIDI	1.00	PMV	11				
D	»TAVIUM 3.39AE	3.53	PMA	11				
E	»RNDUP POWERMAX	32.00	ZMA	11				
4A	»A23372A 4L	4.70	PMA	9	99	96	93	64.4
B	»INTACT	0.50	PMV	11				
C	»CLASS ACT RIDI	1.00	PMV	11				
D	»TAVIUM 3.39AE	3.53	PMA	11				
E	»RNDUP POWERMAX	32.00	ZMA	11				
5A	»BOUNDARY 6.5EC	2.00	PMA	9	99	94	93	51.1
B	»INTACT	0.50	PMV	11				
C	»CLASS ACT RIDI	1.00	PMV	11				
D	»TAVIUM 3.39AE	3.53	PMA	11				
E	»RNDUP POWERMAX	32.00	ZMA	11				
6A	»BROADAXE XC 7L	25.00	ZMA	9	99	94	91	56.8
B	»INTACT	0.50	PMV	11				
C	»CLASS ACT RIDI	1.00	PMV	11				
D	»TAVIUM 3.39AE	3.53	PMA	11				
E	»RNDUP POWERMAX	32.00	ZMA	11				
7A	»SONIC 70DF	4.00	OMA	9	99	96	93	50.4
B	»INTACT	0.50	PMV	11				
C	»CLASS ACT RIDI	1.00	PMV	11				
D	»TAVIUM 3.39AE	3.53	PMA	11				
E	»RNDUP POWERMAX	32.00	ZMA	11				
8A	»FIERCE XLT	4.50	OMA	0	99	95	95	55.4
B	»VALOR 51WDG	0.0691	LAA	9				
C	»ZIDUA 85WG	0.0877	LAA	9				
D	CLASSIC 25WG	0.0188	LAA	9				
E	»INTACT	0.50	PMV	11				
F	»CLASS ACT RIDI	1.00	PMV	11				
G	»TAVIUM 3.39AE	3.53	PMA	11				
H	»RNDUP POWERMAX	32.00	ZMA	11				
9A	»ZIDUA PRO 4.09	6.00	ZMA	9	99	97	92	46.8
B	»INTACT	0.50	PMV	11				
C	»CLASS ACT RIDI	1.00	PMV	11				
D	»TAVIUM 3.39AE	3.53	PMA	11				
E	»RNDUP POWERMAX	32.00	ZMA	11				
	LSD (0.05)				0.0	3.7	4.7	16.66
	STANDARD DEVIATION				0.0	1.8	2.3	8.07

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/12/2020(1)
11 = --- / EPOST

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 %	06/23/2020	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: A23372A Efficacy and Crop Safety in Soybean. R-3N

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	GLXMA	CON %	07/07/2020	01	P	GLXMA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	SETFA	CON %	07/07/2020	02	P	SETFA	14	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMAPA	CON %	07/07/2020	03	P	AMAPA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	07/07/2020	04	P	PHBPU	16	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ANVCR	CON %	07/07/2020	05	P	ANVCR	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/21/2020	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/21/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMAPA	CON %	07/21/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	07/21/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ANVCR	CON %	07/21/2020	05	P	ANVCR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	GLXMA	CON %	08/04/2020	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	08/04/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMAPA	CON %	08/04/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	08/04/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ANVCR	CON %	08/04/2020	05	P	ANVCR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	GLXMA	CON %	09/29/2020	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	SETFA	CON %	09/29/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	AMAPA	CON %	09/29/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	09/29/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	ANVCR	CON %	09/29/2020	05	P	ANVCR		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	YIELD	BU/A	10/15/2020	01	P	GLXMA		RAW	ALL	YLD	BU	---	1.00 A	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = AG33X8

*** STAGE CODE**
14 = TRIFOLIOLATE LEAF ON THE 4TH NODE UNFOLDED
14 = 4 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED