APPLICATIONS

SOIL INFORMATION

TEXTURE: N/A
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: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	09	11	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/08/20	07/01/20	AME
TIME - BEGIN	11:30	11:10	24H
TIME - END	12:15	11:25	24H
AIR TEMPERATURE	87	80	F
% REL.HUMIDITY	42	78	
WIND DIRECTION	SOUTHEAST	SOUTHEAST	
WIND SPEED	7.0	7.0	M/H
CLOUD COVER	CLEAR-0%	PAR.CLOUD	
DEW	TO BE SEL	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	82/4.00	82/4.00	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	20.0	20.0	IN
SPEED	3.00	3.00	M/H
MIX SIZE	0.330	0.330	
MIX SIZE UNIT	GAL	GAL	
SPRAY VOLUME	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	
PRESSURE	30.00	30.00	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	
WASHINGTON 2038L		7.00/9.00	IN
(PLANTED) 06/03/2020		28 DAP	
PEST *			
P, Amaranth, Palmer		---/19 1.00/6.00	IN
P, Tall morning glo		---/16 0.50/4.00	IN
P, Giant foxtail		---/13 1.00/4.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
PEST *			
P, Common cocklebur		---/19 3.00/7.00	IN

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

*** STAGE CODE**
13 = 3 LEAVES UNFOLDED
14 = TRIFOLIOLATE LEAF ON THE 4TH NODE UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: Evaluate added weed control with Alite27 in a LLGT27 Soybean System. M-9 200
CREATED: 04/29/2020 **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	SETFA CON % 07/15/20	AMAPA CON % 07/15/20	PHBPU CON % 07/15/20	XANST CON % 07/15/20	SETFA CON % 07/22/20	AMAPA CON % 07/22/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»ZIDUA SC 4.17	4.00	ZMA	9	99	96	96	99	99	97
B	»LIBERTY 2.34L	32.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	5.00	PMV	11						
3A	»ZIDUA SC 4.17	4.00	ZMA	9	99	99	95	99	99	99
B	»ALITE27 4.06SC*	3.00	ZMA	9						
C	»LIBERTY 2.34L	32.00	ZMA	11						
D	»RNDUP POWERMAX	32.00	ZMA	11						
E	»LIQUID AMS	5.00	PMV	11						
4A	»ZIDUA PRO 4.09	4.50	ZMA	9	99	99	96	99	99	99
B	»LIBERTY 2.34L	32.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	5.00	PMV	11						
5A	»ZIDUA PRO 4.09	4.50	ZMA	9	98	99	96	99	99	98
B	»ALITE27 4.06SC*	3.00	ZMA	9						
C	»LIBERTY 2.34L	32.00	ZMA	11						
D	»RNDUP POWERMAX	32.00	ZMA	11						
E	»LIQUID AMS	5.00	PMV	11						
6A	»ZIDUA PRO 4.09	4.50	ZMA	9	95	95	95	99	93	95
B	»ALITE27 4.06SC*	3.00	ZMA	9						
7A	»MATADOR 4.7L	3.00	PMA	9	99	99	97	99	99	98
B	»LIBERTY 2.34L	32.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	5.00	PMV	11						
8A	»MATADOR 4.7L	3.00	PMA	9	99	99	98	99	99	99
B	»ALITE27 4.06SC*	3.00	ZMA	9						
C	»LIBERTY 2.34L	32.00	ZMA	11						
D	»RNDUP POWERMAX	32.00	ZMA	11						
E	»LIQUID AMS	5.00	PMV	11						
	LSD (0.05)				0.6	1.1	1.8	0.4	3.2	3.7
	STANDARD DEVIATION				0.3	0.5	0.8	0.2	1.5	1.7

DATA MEAN

TITLE: Evaluate added weed control with Alite27 in a LLGT27 Soybean System. M-9 200
CREATED: 04/29/2020 **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	PHBPU CON % 07/22/20	XANST CON % 07/22/20	SETFA CON % 07/29/20	AMAPA CON % 07/29/20	PHBPU CON % 07/29/20	XANST CON % 07/29/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»ZIDUA SC 4.17	4.00	ZMA	9	97	99	99	97	99	99
B	»LIBERTY 2.34L	32.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	5.00	PMV	11						
3A	»ZIDUA SC 4.17	4.00	ZMA	9	96	99	99	99	97	99
B	»ALITE27 4.06SC*	3.00	ZMA	9						
C	»LIBERTY 2.34L	32.00	ZMA	11						
D	»RNDUP POWERMAX	32.00	ZMA	11						
E	»LIQUID AMS	5.00	PMV	11						
4A	»ZIDUA PRO 4.09	4.50	ZMA	9	96	99	99	98	96	99
B	»LIBERTY 2.34L	32.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	5.00	PMV	11						
5A	»ZIDUA PRO 4.09	4.50	ZMA	9	98	99	99	99	99	99
B	»ALITE27 4.06SC*	3.00	ZMA	9						
C	»LIBERTY 2.34L	32.00	ZMA	11						
D	»RNDUP POWERMAX	32.00	ZMA	11						
E	»LIQUID AMS	5.00	PMV	11						
6A	»ZIDUA PRO 4.09	4.50	ZMA	9	94	99	94	93	92	99
B	»ALITE27 4.06SC*	3.00	ZMA	9						
7A	»MATADOR 4.7L	3.00	PMA	9	99	99	99	98	98	99
B	»LIBERTY 2.34L	32.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	5.00	PMV	11						
8A	»MATADOR 4.7L	3.00	PMA	9	95	99	99	99	99	99
B	»ALITE27 4.06SC*	3.00	ZMA	9						
C	»LIBERTY 2.34L	32.00	ZMA	11						
D	»RNDUP POWERMAX	32.00	ZMA	11						
E	»LIQUID AMS	5.00	PMV	11						
	LSD (0.05)				6.0	0.4	2.2	2.8	4.3	0.4
	STANDARD DEVIATION				2.8	0.2	1.0	1.3	2.0	0.2

DATA MEAN

TITLE: Evaluate added weed control with Alite27 in a LLGT27 Soybean System. M-9 200
CREATED: 04/29/2020 **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	SETFA CON % 08/05/20	AMAPA CON % 08/05/20	PHBPU CON % 08/05/20	XANST CON % 08/05/20	SETFA CON % 08/12/20	AMAPA CON % 08/12/20
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»ZIDUA SC 4.17	4.00	ZMA	9	99	97	98	99	99	97
B	»LIBERTY 2.34L	32.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	5.00	PMV	11						
3A	»ZIDUA SC 4.17	4.00	ZMA	9	99	99	97	99	99	99
B	»ALITE27 4.06SC*	3.00	ZMA	9						
C	»LIBERTY 2.34L	32.00	ZMA	11						
D	»RNDUP POWERMAX	32.00	ZMA	11						
E	»LIQUID AMS	5.00	PMV	11						
4A	»ZIDUA PRO 4.09	4.50	ZMA	9	99	98	96	99	99	99
B	»LIBERTY 2.34L	32.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	5.00	PMV	11						
5A	»ZIDUA PRO 4.09	4.50	ZMA	9	99	99	98	99	99	99
B	»ALITE27 4.06SC*	3.00	ZMA	9						
C	»LIBERTY 2.34L	32.00	ZMA	11						
D	»RNDUP POWERMAX	32.00	ZMA	11						
E	»LIQUID AMS	5.00	PMV	11						
6A	»ZIDUA PRO 4.09	4.50	ZMA	9	95	93	92	99	95	93
B	»ALITE27 4.06SC*	3.00	ZMA	9						
7A	»MATADOR 4.7L	3.00	PMA	9	99	98	98	99	99	98
B	»LIBERTY 2.34L	32.00	ZMA	11						
C	»RNDUP POWERMAX	32.00	ZMA	11						
D	»LIQUID AMS	5.00	PMV	11						
8A	»MATADOR 4.7L	3.00	PMA	9	99	99	99	99	99	99
B	»ALITE27 4.06SC*	3.00	ZMA	9						
C	»LIBERTY 2.34L	32.00	ZMA	11						
D	»RNDUP POWERMAX	32.00	ZMA	11						
E	»LIQUID AMS	5.00	PMV	11						
	LSD (0.05)				2.8	2.8	4.5	0.4	2.8	2.7
	STANDARD DEVIATION				1.3	1.3	2.1	0.2	1.3	1.3

DATA MEAN

TITLE: Evaluate added weed control with Alite27 in a LLGT27 Soybean System. M-9 200
CREATED: 04/29/2020 **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	PHBPU CON % 08/12/20	XANST CON % 08/12/20
1A	CHECK	0.00	NA	0	0	0
2A»	ZIDUA SC 4.17	4.00	ZMA	9	99	99
B»	LIBERTY 2.34L	32.00	ZMA	11		
C»	RNDUP POWERMAX	32.00	ZMA	11		
D»	LIQUID AMS	5.00	PMV	11		
3A»	ZIDUA SC 4.17	4.00	ZMA	9	98	99
B»	ALITE27 4.06SC*	3.00	ZMA	9		
C»	LIBERTY 2.34L	32.00	ZMA	11		
D»	RNDUP POWERMAX	32.00	ZMA	11		
E»	LIQUID AMS	5.00	PMV	11		
4A»	ZIDUA PRO 4.09	4.50	ZMA	9	96	99
B»	LIBERTY 2.34L	32.00	ZMA	11		
C»	RNDUP POWERMAX	32.00	ZMA	11		
D»	LIQUID AMS	5.00	PMV	11		
5A»	ZIDUA PRO 4.09	4.50	ZMA	9	98	99
B»	ALITE27 4.06SC*	3.00	ZMA	9		
C»	LIBERTY 2.34L	32.00	ZMA	11		
D»	RNDUP POWERMAX	32.00	ZMA	11		
E»	LIQUID AMS	5.00	PMV	11		
6A»	ZIDUA PRO 4.09	4.50	ZMA	9	92	99
B»	ALITE27 4.06SC*	3.00	ZMA	9		
7A»	MATADOR 4.7L	3.00	PMA	9	98	99
B»	LIBERTY 2.34L	32.00	ZMA	11		
C»	RNDUP POWERMAX	32.00	ZMA	11		
D»	LIQUID AMS	5.00	PMV	11		
8A»	MATADOR 4.7L	3.00	PMA	9	99	99
B»	ALITE27 4.06SC*	3.00	ZMA	9		
C»	LIBERTY 2.34L	32.00	ZMA	11		
D»	RNDUP POWERMAX	32.00	ZMA	11		
E»	LIQUID AMS	5.00	PMV	11		
	LSD (0.05)				4.4	0.4
	STANDARD DEVIATION				2.0	0.2

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/08/2020(1)
11 = --- / EPOST 07/01/2020(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	SETFA	CON %	07/15/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMAPA	CON %	07/15/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	PHBPU	CON %	07/15/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST	CON %	07/15/2020	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	SETFA	CON %	07/22/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMAPA	CON %	07/22/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	07/22/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	XANST	CON %	07/22/2020	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	07/29/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMAPA	CON %	07/29/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	07/29/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	XANST	CON %	07/29/2020	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	SETFA	CON %	08/05/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	AMAPA	CON %	08/05/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

DATA MEAN

TITLE: Evaluate added weed control with Alite27 in a LLGT27 Soybean System. M-9 200

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
015	PHBPU	CON %	08/05/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	XANST	CON %	08/05/2020	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	08/12/2020	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	AMAPA	CON %	08/12/2020	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	08/12/2020	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	XANST	CON %	08/12/2020	05	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

* PRODUCT NOT CURRENTLY LABELED FOR USE IN ILLINOIS