

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: LS  
 PH: 6.5  
 %OM: 1.0  
 PREV.CROP: GLXMA - SOYBEAN  
 %RESIDUE: 0  
 PLOT WIDTH: 20 X 25 FEET  
 PLOT AREA: 500 FEET

DESIGN: RCB  
 REPS: 1

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/22/14	06/09/14	06/26/14	AME
AIR TEMPERATURE	73	83	86	F
% REL.HUMIDITY	39	53	73	
WIND DIRECTION	NORTHWEST	EAST	NA/NONE/U	
WIND SPEED	8.0	4.0	0.0	M/H
CLOUD COVER	CLOUDY	PARTCLDY	PARTCLDY	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	32.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
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	
PEST *				
P, AMARANTH, PALMER		---/19 6.00/8.00	---/19 4.00/12.0	IN
P, SOYBEAN		---/14 5.00/5.00	---/16 10.0/10.0	IN
(PLANTED) 05/22/2014		18 DAP	35 DAP	
P, CORN, DENT		---/13 8.00/10.0	---/15 12.0/12.0	IN
(PLANTED) 05/22/2014		18 DAP	35 DAP	

\* TIMING CODES

09 = ----- / PREEMERGENCE  
 11 = ----- / EPOST  
 12 = ----- / POST

\* STAGE CODE

13 = 3 LEAVES UNFOLDED  
 14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES  
 15 = 5 LEAVES UNFOLDED  
 16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES  
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TITLE:** Pre and Post Corn and Soybean Herbicide Residual Combos on Palmer Am. LL Soy and RR/LL Corn. Kank. Site

**CREATED:** 04/25/2014 **REVISED:** 10/07/2014

**COMPLETED:** N

**PROJECT TYPE:** HERBICIDE

**LOCATION:** Kankakee

**RESEARCHED BY:**

**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN

**PLOT SIZE:** 20.00 FT WIDE X 25.00 FT LONG

**PLOT AREA:** 500.00 SFT

**REPS:** 01

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	ZEAMD	AMAPA	GLXMA	ZEAMD	AMAPA
		RATE	UNIT		CON % 06/05/14	CON % 06/05/14	CON % 06/05/14	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14
1A	AUTHOR. ASSIST	0.375	LAA	9	1	0C	86	3	0C	84
2A	AUTHOR. ASSIST	0.375	LAA	9	0	0C	84	4	0C	95
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>LIQUID AMS	2.50	PMV	11						
3A	AUTHOR. ASSIST	0.375	LAA	9	2	0C	85	5	0C	92
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>WARRANT 3L	1.125	LAA	11						
	D>LIQUID AMS	2.50	PMV	11						
4A	AUTHOR. ASSIST	0.375	LAA	9	2	0C	95	5	0C	97
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>LIQUID AMS	2.50	PMV	11						
	D>LIBERTY 2.34L	0.53	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
5A	AUTHOR. ASSIST	0.375	LAA	9	2	0C	95	5	0C	97
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>WARRANT 3L	1.125	LAA	11						
	D>LIQUID AMS	2.50	PMV	11						
	E>LIBERTY 2.34L	0.53	LAA	12						
	F>LIQUID AMS	2.50	PMV	12						
6A	AUTHOR. ASSIST	0.375	LAA	9	1	0C	95	5	0C	97
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>WARRANT 3L	1.125	LAA	11						
	D>LIQUID AMS	2.50	PMV	11						
	E>LIBERTY 2.34L	0.53	LAA	12						
	F>ZIDUA 85WG	0.106	LAA	12						
	G>LIQUID AMS	2.50	PMV	12						
7A	AUTHOR. ASSIST	0.188	LAA	9	1	0C	65	2	0C	75
8A	AUTHOR. ASSIST	0.188	LAA	9	0	0C	72	2	0C	90
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>LIQUID AMS	2.50	PMV	11						
9A	AUTHOR. ASSIST	0.188	LAA	9	3	0C	86	3	0C	96
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>WARRANT 3L	1.125	LAA	11						
	D>LIQUID AMS	2.50	PMV	11						
10A	AUTHOR. ASSIST	0.188	LAA	9	2	0C	95	5	0C	98
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>LIQUID AMS	2.50	PMV	11						
	D>LIBERTY 2.34L	0.53	LAA	12						
	E>LIQUID AMS	2.50	PMV	12						
11A	AUTHOR. ASSIST	0.188	LAA	9	0	0C	95	2	0C	97
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>WARRANT 3L	1.125	LAA	11						
	D>LIQUID AMS	2.50	PMV	11						
	E>LIBERTY 2.34L	0.53	LAA	12						
	F>LIQUID AMS	2.50	PMV	12						
12A	AUTHOR. ASSIST	0.188	LAA	9	0	0C	95	3	0C	97
	B>LIBERTY 2.34L	0.53	LAA	11						
	C>WARRANT 3L	1.125	LAA	11						
	D>LIQUID AMS	2.50	PMV	11						
	E>LIBERTY 2.34L	0.53	LAA	12						
	F>ZIDUA 85WG	0.106	LAA	12						
	G>LIQUID AMS	2.50	PMV	12						
13A	VERDICT 5.57L	0.78	LAA	9	0C	0	95	0C	1	75

**TITLE:** Pre and Post Corn and Soybean Herbicide Residual Combos on Palmer Am. LL Soy and RR/LL Corn. Kank. Site

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	ZEAMD	AMAPA	GLXMA	ZEAMD	AMAPA
		RATE	UNIT		CON % 06/05/14	CON % 06/05/14	CON % 06/05/14	CON % 06/17/14	CON % 06/17/14	CON % 06/17/14
14A»	VERDICT 5.57L	0.78	LAA	9	0C	1	94	0C	0	93
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
15A»	VERDICT 5.57L	0.78	LAA	9	0C	1	95	0C	1	94
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
16A»	VERDICT 5.57L	0.78	LAA	9	0C	2	98	0C	2	97
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
	D»LIBERTY 2.34L	0.40	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
17A»	VERDICT 5.57L	0.78	LAA	9	0C	1	99	0C	1	98
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
	E»LIBERTY 2.34L	0.40	LAA	12						
	F»LIQUID AMS	2.50	PMV	12						
18A»	VERDICT 5.57L	0.78	LAA	9	0C	2	99	0C	1	98
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
	E»LIBERTY 2.34L	0.40	LAA	12						
	F»ZIDUA 85WG	0.106	LAA	12						
	G»LIQUID AMS	2.50	PMV	12						
19A»	VERDICT 5.57L	0.435	LAA	9	0C	1	70	0C	1	70
20A»	VERDICT 5.57L	0.435	LAA	9	0C	0	70	0C	0	85
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
21A»	VERDICT 5.57L	0.435	LAA	9	0C	2	80	0C	1	92
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
22A»	VERDICT 5.57L	0.435	LAA	9	0C	2	95	0C	2	99
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»LIQUID AMS	2.50	PMV	11						
	D»LIBERTY 2.34L	0.40	LAA	12						
	E»LIQUID AMS	2.50	PMV	12						
23A»	VERDICT 5.57L	0.435	LAA	9	0C	1	98	0C	0	99
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
	E»LIBERTY 2.34L	0.40	LAA	12						
	F»LIQUID AMS	2.50	PMV	12						
24A»	VERDICT 5.57L	0.435	LAA	9	0C	0	90	0C	0	99
	B»LIBERTY 2.34L	0.40	LAA	11						
	C»WARRANT 3L	1.125	LAA	11						
	D»LIQUID AMS	2.50	PMV	11						
	E»LIBERTY 2.34L	0.40	LAA	12						
	F»ZIDUA 85WG	0.106	LAA	12						
	G»LIQUID AMS	2.50	PMV	12						

LSD (0.05)  
STANDARD DEVIATION

**TITLE:** Pre and Post Corn and Soybean Herbicide Residual Combos on Palmer Am. LL Soy and RR/LL Corn. Kank. Site

**CREATED:** 04/25/2014 **REVISED:** 10/07/2014

**COMPLETED:** N

**PROJECT TYPE:** HERBICIDE

**LOCATION:** Kankakee

**RESEARCHED BY:**

**DESIGN:** RANDOMIZED COMPLETE BLOCK DESIGN

**PLOT SIZE:** 20.00 FT WIDE X 25.00 FT LONG

**PLOT AREA:** 500.00 SFT

**REPS:** 01

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	ZEAMD	AMAPA
		RATE	UNIT		CON % 06/30/14	CON % 09/30/14	CON % 06/30/14
1A	AUTHOR. ASSIST	0.375	LAA	9	2	0C	60
2A	AUTHOR. ASSIST	0.375	LAA	9	3	0C	80
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»LIQUID AMS	2.50	PMV	11			
3A	AUTHOR. ASSIST	0.375	LAA	9	5	0C	80
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»WARRANT 3L	1.125	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
4A	AUTHOR. ASSIST	0.375	LAA	9	3	0C	99
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»LIQUID AMS	2.50	PMV	11			
	D»LIBERTY 2.34L	0.53	LAA	12			
	E»LIQUID AMS	2.50	PMV	12			
5A	AUTHOR. ASSIST	0.375	LAA	9	10	0C	99
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»WARRANT 3L	1.125	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
	E»LIBERTY 2.34L	0.53	LAA	12			
	F»LIQUID AMS	2.50	PMV	12			
6A	AUTHOR. ASSIST	0.375	LAA	9	10	0C	99
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»WARRANT 3L	1.125	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
	E»LIBERTY 2.34L	0.53	LAA	12			
	F»ZIDUA 85WG	0.106	LAA	12			
	G»LIQUID AMS	2.50	PMV	12			
7A	AUTHOR. ASSIST	0.188	LAA	9	1	0C	50
8A	AUTHOR. ASSIST	0.188	LAA	9	0	0C	70
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»LIQUID AMS	2.50	PMV	11			
9A	AUTHOR. ASSIST	0.188	LAA	9	1	0C	85
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»WARRANT 3L	1.125	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
10A	AUTHOR. ASSIST	0.188	LAA	9	5	0C	99
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»LIQUID AMS	2.50	PMV	11			
	D»LIBERTY 2.34L	0.53	LAA	12			
	E»LIQUID AMS	2.50	PMV	12			
11A	AUTHOR. ASSIST	0.188	LAA	9	5	0C	99
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»WARRANT 3L	1.125	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
	E»LIBERTY 2.34L	0.53	LAA	12			
	F»LIQUID AMS	2.50	PMV	12			
12A	AUTHOR. ASSIST	0.188	LAA	9	5	0C	99
	B»LIBERTY 2.34L	0.53	LAA	11			
	C»WARRANT 3L	1.125	LAA	11			
	D»LIQUID AMS	2.50	PMV	11			
	E»LIBERTY 2.34L	0.53	LAA	12			
	F»ZIDUA 85WG	0.106	LAA	12			
	G»LIQUID AMS	2.50	PMV	12			
13A	VERDICT 5.57L	0.78	LAA	9	0C	0	50

**TITLE:** Pre and Post Corn and Soybean Herbicide Residual Combos on Palmer Am. LL Soy and RR/LL Corn. Kank. Site

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	GLXMA	ZEAMD	AMAPA
		RATE	UNIT		CON % 06/30/14	CON % 09/30/14	CON % 06/30/14
14A»	VERDICT 5.57L	0.78	LAA 9		0C	0	80
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»LIQUID AMS	2.50	PMV 11				
15A»	VERDICT 5.57L	0.78	LAA 9		0C	0	98
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»WARRANT 3L	1.125	LAA 11				
	D»LIQUID AMS	2.50	PMV 11				
16A»	VERDICT 5.57L	0.78	LAA 9		0C	1	98
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»LIQUID AMS	2.50	PMV 11				
	D»LIBERTY 2.34L	0.40	LAA 12				
	E»LIQUID AMS	2.50	PMV 12				
17A»	VERDICT 5.57L	0.78	LAA 9		0C	0	99
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»WARRANT 3L	1.125	LAA 11				
	D»LIQUID AMS	2.50	PMV 11				
	E»LIBERTY 2.34L	0.40	LAA 12				
	F»LIQUID AMS	2.50	PMV 12				
18A»	VERDICT 5.57L	0.78	LAA 9		0C	0	99
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»WARRANT 3L	1.125	LAA 11				
	D»LIQUID AMS	2.50	PMV 11				
	E»LIBERTY 2.34L	0.40	LAA 12				
	F»ZIDUA 85WG	0.106	LAA 12				
	G»LIQUID AMS	2.50	PMV 12				
19A»	VERDICT 5.57L	0.435	LAA 9		0C	0	40
20A»	VERDICT 5.57L	0.435	LAA 9		0C	0	65
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»LIQUID AMS	2.50	PMV 11				
21A»	VERDICT 5.57L	0.435	LAA 9		0C	0	75
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»WARRANT 3L	1.125	LAA 11				
	D»LIQUID AMS	2.50	PMV 11				
22A»	VERDICT 5.57L	0.435	LAA 9		0C	0	97
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»LIQUID AMS	2.50	PMV 11				
	D»LIBERTY 2.34L	0.40	LAA 12				
	E»LIQUID AMS	2.50	PMV 12				
23A»	VERDICT 5.57L	0.435	LAA 9		0C	0	99
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»WARRANT 3L	1.125	LAA 11				
	D»LIQUID AMS	2.50	PMV 11				
	E»LIBERTY 2.34L	0.40	LAA 12				
	F»LIQUID AMS	2.50	PMV 12				
24A»	VERDICT 5.57L	0.435	LAA 9		0C	0	99
	B»LIBERTY 2.34L	0.40	LAA 11				
	C»WARRANT 3L	1.125	LAA 11				
	D»LIQUID AMS	2.50	PMV 11				
	E»LIBERTY 2.34L	0.40	LAA 12				
	F»ZIDUA 85WG	0.106	LAA 12				
	G»LIQUID AMS	2.50	PMV 12				

LSD (0.05)  
STANDARD DEVIATION

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

\* TIMING CODES

09 = ----- / PREEMERGENCE 05/22/2014(1)

11 = ----- / EPOST 06/09/2014(2)

12 = ----- / POST 06/26/2014(3)

TITLE: Pre and Post Corn and Soybean Herbicide Residual Combos on Palmer Am. LL Soy and RR/LL Corn. Kank. Site

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	GLXMA	CON %	06/05/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	06/05/2014	02	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMAPA	CON %	06/05/2014	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	GLXMA	CON %	06/17/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	06/17/2014	02	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	AMAPA	CON %	06/17/2014	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	06/30/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	09/30/2014	02	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMAPA	CON %	06/30/2014	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N