

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.6
PREV.CROP: ZEAMD - CORN, DENT
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	05	09	12	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/10/14	06/01/14	07/02/14	AME
AIR TEMPERATURE	80	82	68	F
% REL.HUMIDITY	32	61	72	
WIND DIRECTION	SOUTHWEST	SOUTH	NORTHWEST	
WIND SPEED	2.0	6.0	6.0	M/H
CLOUD COVER	CLEAR	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	5	5	5	
NOZZLE SPACING	18.000	18.000	18.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	7.5	7.5	7.5	FT
SPRAY VOLUME	15.00	15.00	15.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	30.00	30.00	30.00	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	
CROP *			---/17	
P, SOYBEAN			10.0/10.0	IN
A 3231RR			31 DAP	
(PLANTED) 06/01/2014				
PEST *				
P, LAMBSQUARTERS, C	---/17 1.00/2.00	---/19 2.00/4.00	---/19 2.00/12.0	IN
P, HORSEWEED / MARE	---/16 1.00/2.00	---/19 1.00/4.00	---/19 2.00/8.00	IN
P, HENBIT	---/17 1.00/2.00	---/19 2.00/4.00	---/19 2.00/6.00	IN
P, FOXTAIL, GIANT	---/10 0.50/0.50	---/12 1.00/2.00	---/18 2.00/10.0	IN
P, CHICKWEED, COMMO	---/17 1.00/2.00	---/19 1.00/3.00	---/19 1.00/4.00	IN

* TIMING CODES

05 = ----- / EPP 15 DBP

*** TIMING CODES**

09 = ----- / PREEMERGENCE
12 = ----- / POST

*** STAGE CODE**

10 = FIRST LEAF THROUGH COLEOPTILE
12 = 2 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES
18 = 8 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Tricor Early-Preplant for Weed Control in No-till Glyphosate Tolerant Soybean.
261-68

CREATED: 04/10/2014 **REVISED:** 09/15/2014

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		STEME CON % 05/26/14	LAMAM CON % 05/26/14	CHEAL CON % 05/26/14	ERICA CON % 05/26/14	SETFA CON % 05/26/14	GLXMA CON % 06/30/14
		RATE	UNIT						
1A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	92	0
	B CLARITY	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
2A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	99	0
	B»PARAQUAT CL	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
3A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	94	0
	B»ACTIVATOR 90	0.25	PMV 5						
	C»DUAL II MAGNUM	1.25	LAA 9						
	D»RNDUP POWERMAX	0.95	LAA 12						
	E»STORM 2EC	0.375	LAA 12						
	F»COC	1.00	PMV 12						
4A	CLARITY	0.25	LAA 5	99	99	99	99	92	0
	B»ACTIVATOR 90	0.25	PMV 5						
	C»DUAL II MAGNUM	1.25	LAA 9						
	D»RNDUP POWERMAX	0.95	LAA 12						
	E»STORM 2EC	0.375	LAA 12						
	F»COC	1.00	PMV 12						
5A	PARAQUAT CL	0.25	LAA 5	98	82	84	78	70	0
	B»ACTIVATOR 90	0.25	PMV 5						
	C»DUAL II MAGNUM	1.25	LAA 9						
	D»RNDUP POWERMAX	0.95	LAA 12						
	E»STORM 2EC	0.375	LAA 12						
	F»COC	1.00	PMV 12						
6A	TRICOR 75DF	0.375	LAA 5	99	99	99	99	90	0
	B CLARITY	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
7A	TRICOR 75DF	0.25	LAA 5	99	99	99	99	94	0
	B CLARITY	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
8A	CHECK	0.00	NA 0	0	0	0	0	0	0
	B»DUAL II MAGNUM	1.25	LAA 9						
	C»RNDUP POWERMAX	0.95	LAA 12						
	D»STORM 2EC	0.375	LAA 12						
	E»COC	1.00	PMV 12						
		LSD (0.05)		1.43	4.73	2.50	4.73	8.21	0.00
		STANDARD DEVIATION		0.667	2.20	1.17	2.20	3.83	0.00

TITLE: Tricor Early-Preplant for Weed Control in No-till Glyphosate Tolerant Soybean.
261-68

CREATED: 04/10/2014 **REVISED:** 09/15/2014

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		STEME CON % 06/30/14	LAMAM CON % 06/30/14	CHEAL CON % 06/30/14	ERICA CON % 06/30/14	SETFA CON % 06/30/14	GLXMA CON % 07/16/14
		RATE	UNIT						
1A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	70	0
	B CLARITY	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
2A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	90	0
	B»PARAQUAT CL	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
3A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	87	0
	B»ACTIVATOR 90	0.25	PMV 5						
	C»DUAL II MAGNUM	1.25	LAA 9						
	D»RNDUP POWERMAX	0.95	LAA 12						
	E»STORM 2EC	0.375	LAA 12						
	F»COC	1.00	PMV 12						
4A	CLARITY	0.25	LAA 5	99	99	99	94	74	0
	B»ACTIVATOR 90	0.25	PMV 5						
	C»DUAL II MAGNUM	1.25	LAA 9						
	D»RNDUP POWERMAX	0.95	LAA 12						
	E»STORM 2EC	0.375	LAA 12						
	F»COC	1.00	PMV 12						
5A	PARAQUAT CL	0.25	LAA 5	99	78	62	58	43	0
	B»ACTIVATOR 90	0.25	PMV 5						
	C»DUAL II MAGNUM	1.25	LAA 9						
	D»RNDUP POWERMAX	0.95	LAA 12						
	E»STORM 2EC	0.375	LAA 12						
	F»COC	1.00	PMV 12						
6A	TRICOR 75DF	0.375	LAA 5	99	99	99	99	76	0
	B CLARITY	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
7A	TRICOR 75DF	0.25	LAA 5	99	99	99	99	89	0
	B CLARITY	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
8A	CHECK	0.00	NA 0	0	0	0	0	0	0
	B»DUAL II MAGNUM	1.25	LAA 9						
	C»RNDUP POWERMAX	0.95	LAA 12						
	D»STORM 2EC	0.375	LAA 12						
	E»COC	1.00	PMV 12						
		LSD (0.05)		0.00	10.29	12.51	17.15	24.41	0.00
		STANDARD DEVIATION		0.00	4.80	5.83	8.00	11.38	0.00

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261-68

CREATED: 04/10/2014 **REVISED:** 09/15/2014

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		STEME CON % 07/16/14	LAMAM CON % 07/16/14	CHEAL CON % 07/16/14	ERICA CON % 07/16/14	SETFA CON % 07/16/14	GLXMA CON % 07/30/14
		RATE	UNIT						
1A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	99	0
	B CLARITY	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
2A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	99	0
	B»PARAQUAT CL	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
3A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	99	0
	B»ACTIVATOR 90	0.25	PMV 5						
	C»DUAL II MAGNUM	1.25	LAA 9						
	D»RNDUP POWERMAX	0.95	LAA 12						
	E»STORM 2EC	0.375	LAA 12						
	F»COC	1.00	PMV 12						
4A	CLARITY	0.25	LAA 5	99	99	99	96	99	0
	B»ACTIVATOR 90	0.25	PMV 5						
	C»DUAL II MAGNUM	1.25	LAA 9						
	D»RNDUP POWERMAX	0.95	LAA 12						
	E»STORM 2EC	0.375	LAA 12						
	F»COC	1.00	PMV 12						
5A	PARAQUAT CL	0.25	LAA 5	99	99	96	85	97	0
	B»ACTIVATOR 90	0.25	PMV 5						
	C»DUAL II MAGNUM	1.25	LAA 9						
	D»RNDUP POWERMAX	0.95	LAA 12						
	E»STORM 2EC	0.375	LAA 12						
	F»COC	1.00	PMV 12						
6A	TRICOR 75DF	0.375	LAA 5	99	99	99	99	99	0
	B CLARITY	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
7A	TRICOR 75DF	0.25	LAA 5	99	99	99	99	99	0
	B CLARITY	0.25	LAA 5						
	C»ACTIVATOR 90	0.25	PMV 5						
	D»DUAL II MAGNUM	1.25	LAA 9						
	E»RNDUP POWERMAX	0.95	LAA 12						
	F»STORM 2EC	0.375	LAA 12						
	G»COC	1.00	PMV 12						
8A	CHECK	0.00	NA 0	0	0	0	0	0	0
	B»DUAL II MAGNUM	1.25	LAA 9						
	C»RNDUP POWERMAX	0.95	LAA 12						
	D»STORM 2EC	0.375	LAA 12						
	E»COC	1.00	PMV 12						
		LSD (0.05)		0.00	0.00	3.22	9.55	1.24	0.00
		STANDARD DEVIATION		0.00	0.00	1.50	4.45	0.577	0.00

TITLE: Tricor Early-Preplant for Weed Control in No-till Glyphosate Tolerant Soybean.
261-68

CREATED: 04/10/2014 REVISED: 09/15/2014

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		STEME CON % 07/30/14	LAMAM CON % 07/30/14	CHEAL CON % 07/30/14	ERICA CON % 07/30/14	SETFA CON % 07/30/14
		RATE	UNIT					
1A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	98
	B CLARITY	0.25	LAA 5					
	C>ACTIVATOR 90	0.25	PMV 5					
	D>DUAL II MAGNUM	1.25	LAA 9					
	E>RNDUP POWERMAX	0.95	LAA 12					
	F>STORM 2EC	0.375	LAA 12					
	G>COC	1.00	PMV 12					
2A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	99
	B>PARAQUAT CL	0.25	LAA 5					
	C>ACTIVATOR 90	0.25	PMV 5					
	D>DUAL II MAGNUM	1.25	LAA 9					
	E>RNDUP POWERMAX	0.95	LAA 12					
	F>STORM 2EC	0.375	LAA 12					
	G>COC	1.00	PMV 12					
3A	TRICOR 75DF	0.47	LAA 5	99	99	99	99	99
	B>ACTIVATOR 90	0.25	PMV 5					
	C>DUAL II MAGNUM	1.25	LAA 9					
	D>RNDUP POWERMAX	0.95	LAA 12					
	E>STORM 2EC	0.375	LAA 12					
	F>COC	1.00	PMV 12					
4A	CLARITY	0.25	LAA 5	99	99	99	99	98
	B>ACTIVATOR 90	0.25	PMV 5					
	C>DUAL II MAGNUM	1.25	LAA 9					
	D>RNDUP POWERMAX	0.95	LAA 12					
	E>STORM 2EC	0.375	LAA 12					
	F>COC	1.00	PMV 12					
5A	PARAQUAT CL	0.25	LAA 5	99	99	97	96	98
	B>ACTIVATOR 90	0.25	PMV 5					
	C>DUAL II MAGNUM	1.25	LAA 9					
	D>RNDUP POWERMAX	0.95	LAA 12					
	E>STORM 2EC	0.375	LAA 12					
	F>COC	1.00	PMV 12					
6A	TRICOR 75DF	0.375	LAA 5	99	99	99	99	98
	B CLARITY	0.25	LAA 5					
	C>ACTIVATOR 90	0.25	PMV 5					
	D>DUAL II MAGNUM	1.25	LAA 9					
	E>RNDUP POWERMAX	0.95	LAA 12					
	F>STORM 2EC	0.375	LAA 12					
	G>COC	1.00	PMV 12					
7A	TRICOR 75DF	0.25	LAA 5	99	99	99	99	99
	B CLARITY	0.25	LAA 5					
	C>ACTIVATOR 90	0.25	PMV 5					
	D>DUAL II MAGNUM	1.25	LAA 9					
	E>RNDUP POWERMAX	0.95	LAA 12					
	F>STORM 2EC	0.375	LAA 12					
	G>COC	1.00	PMV 12					
8A	CHECK	0.00	NA 0	0	0	0	0	0
	B>DUAL II MAGNUM	1.25	LAA 9					
	C>RNDUP POWERMAX	0.95	LAA 12					
	D>STORM 2EC	0.375	LAA 12					
	E>COC	1.00	PMV 12					
		LSD (0.05)		0.00	0.00	2.15	1.89	2.00
		STANDARD DEVIATION		0.00	0.00	1.00	0.882	0.917

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = ----- / UNTREATED TIMING

* TIMING CODES

05 = ----- / EPP 15 DBP 05/10/2014(1)
 09 = ----- / PREEMERGENCE 06/01/2014(2)
 12 = ----- / POST 07/02/2014(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	STEME	CON %	05/26/2014	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	LAMAM	CON %	05/26/2014	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/26/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ERICA	CON %	05/26/2014	05	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	SETFA	CON %	05/26/2014	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/30/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	STEME	CON %	06/30/2014	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	LAMAM	CON %	06/30/2014	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/30/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ERICA	CON %	06/30/2014	05	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	SETFA	CON %	06/30/2014	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	GLXMA	CON %	07/16/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	STEME	CON %	07/16/2014	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	LAMAM	CON %	07/16/2014	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/16/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ERICA	CON %	07/16/2014	05	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	07/16/2014	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	GLXMA	CON %	07/30/2014	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	STEME	CON %	07/30/2014	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	LAMAM	CON %	07/30/2014	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	07/30/2014	04	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ERICA	CON %	07/30/2014	05	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	SETFA	CON %	07/30/2014	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = A 3231RR