

SOIL INFORMATION

TRIAL INFORMATION

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

DESIGN: RCB
REPS: 3

APPL. NUMBER	01	02	UNIT
TIMINGS	06	11	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/18/16	06/17/16	AME
TIME - BEGIN	10:20	18:20	24H
TIME - END	10:40	18:45	24H
AIR TEMPERATURE	62	84	F
% REL.HUMIDITY	52	44	
WIND DIRECTION	NORTH	NORTHEAST	
WIND SPEED	5.0	6.0	M/H
CLOUD COVER	CLEAR-0%	CLOUDY~6	
DEW	NO	NO	
SOIL MOISTURE	MOIST/MOI	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	56/4.00	81/4.00	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	NA	NA	
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;soya bea	---/00	---/13	
S34-B4X RR2	/	3.00/3.00	IN
(PLANTED) 05/25/2016	-7 DAP	23 DAP	
PEST *			
P, common lambsquar	---/19	---/19	
	2.00/6.00	3.00/8.00	IN
P, hogweed;horsewee	---/19	---/19	
	2.00/4.00	4.00/6.00	IN
P, henbit deadnettl	---/19	---/19	
	2.00/5.00	4.00/6.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	
PEST *			
P, giant foxtail;no	---/10 0.50/0.50	---/12 1.00/3.00	IN
P, common chickweed	---/19 2.00/4.00	---/19 4.00/6.00	IN

* TIMING CODES

06 = --- / EPP 7 DBP
11 = --- / EPOST

* STAGE CODE

00 = DRY SEED
10 = FIRST LEAF THROUGH COLEOPTILE
12 = 2 LEAVES UNFOLDED
13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Syngenta Notill Systems for Weed Control in No-till Xtend Soybean. 261-68
CREATED: 04/14/2016 **REVISED:** 08/25/2016 **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		TM	STEME	LAMAM	ERICA	CHEAL	GLXMA	STEME
		RATE	UNIT		CON % 06/06/16	CON % 06/06/16	CON % 06/06/16	CON % 06/06/16	CON % 06/17/16	CON % 06/17/16
1A»	RNDUP POWERMAX	1.125	LAA	6	99	99	92	99	0	99
	B CLARITY	0.50	LAA	6						
	C BOUNDARY 6.5EC	1.42	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
	E»FLEXSTAR GT 3.	1.23	LAA	11						
	F»MSO	1.00	PMV	11						
	G»LIQUID AMS	2.50	PMV	11						
2A»	RNDUP POWERMAX	1.125	LAA	6	99	99	94	99	0	99
	B CLARITY	0.50	LAA	6						
	C BOUNDARY 6.5EC	1.42	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
	E»FLEXSTAR GT 3.	1.23	LAA	11						
	F DUAL MAGNUM	0.95	LAA	11						
	G»MSO	1.00	PMV	11						
H»LIQUID AMS	2.50	PMV	11							
3A»	RNDUP POWERMAX	1.125	LAA	6	99	99	99	99	0	99
	B CLARITY	0.50	LAA	6						
	C DUAL MAGNUM	0.95	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
	E»FLEXSTAR GT 3.	1.23	LAA	11						
	F»MSO	1.00	PMV	11						
	G»LIQUID AMS	2.50	PMV	11						
4A»	RNDUP POWERMAX	1.125	LAA	6	99	99	98	99	0	99
	B CLARITY	0.50	LAA	6						
	C»BROADAXE XC 7L	1.37	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
	E»FLEXSTAR GT 3.	1.23	LAA	11						
	F»MSO	1.00	PMV	11						
	G»LIQUID AMS	2.50	PMV	11						
5A»	RNDUP POWERMAX	1.125	LAA	6	99	99	99	99	0	99
	B CLARITY	0.50	LAA	6						
	C BOUNDARY 6.5EC	1.42	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
	E»FLEXSTAR GT 3.	1.23	LAA	11						
	F CLARITY	0.50	LAA	11						
	G»MSO	1.00	PMV	11						
6A»	RNDUP POWERMAX	1.125	LAA	6	99	99	99	99	0	99
	B»VALOR XLT 40WG	3.00	OMA	0						
	C CLASSIC 25WG	0.019	LAA	6						
	D VALOR 51WG	0.056	LAA	6						
	E CLARITY	0.50	LAA	6						
	F»LIQUID AMS	2.50	PMV	6						
	G»FLEXSTAR GT 3.	1.23	LAA	11						
	H»MSO	1.00	PMV	11						
	I»LIQUID AMS	2.50	PMV	11						
7A»	RNDUP POWERMAX	1.125	LAA	6	99	99	99	99	0	99
	B CLARITY	0.50	LAA	6						
	C DUAL MAGNUM	0.95	LAA	6						
	D»LIQUID AMS	2.50	PMV	6						
	E DUAL MAGNUM	0.95	LAA	11						
	F»RNDUP POWERMAX	0.77	LAA	11						
	G CLARITY	0.50	LAA	11						
	H»MSO	1.00	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
9A»	RNDUP POWERMAX	1.125	LAA	6	99	99	58	93	0	99
	B BOUNDARY 6.5EC	1.42	LAA	6						
	C»LIQUID AMS	2.50	PMV	6						
	D»FLEXSTAR GT 3.	1.23	LAA	11						
	E»MSO	1.00	PMV	11						
	F»LIQUID AMS	2.50	PMV	11						

TITLE: Syngenta Notill Systems for Weed Control in No-till Xtend Soybean. 261-68

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	STEME CON %		LAMAM CON %		ERICA CON %		CHEAL CON %		GLXMA CON %		STEME CON %	
		RATE	UNIT		06/06/16	06/06/16	06/06/16	06/06/16	06/06/16	06/06/16	06/06/16	06/06/16	06/17/16	06/17/16	06/17/16	06/17/16
10A»	RNDUP POWERMAX	1.125	LAA	6	98	99	90	95	0	99						
	B»2,4-D LVE	0.50	LAA	6												
	C»LIQUID AMS	2.50	PMV	6												
		LSD (0.05)			0.6	0.0	8.1	6.6	0.0	0.0						
		STANDARD DEVIATION			0.3	0.0	3.9	3.2	0.0	0.0						

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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	TREATMENT	DOSAGE		LAMAM	ERICA	CHEAL	SETFA	GLXMA	STEME
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/17/16	06/17/16	06/17/16	06/17/16	07/05/16	07/05/16
1A»	RNDUP POWERMAX	1.125	LAA 6	99	55	91	95	10	99
	B CLARITY	0.50	LAA 6						
	C BOUNDARY 6.5EC	1.42	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
	E»FLEXSTAR GT 3.	1.23	LAA 11						
	F»MSO	1.00	PMV 11						
	G»LIQUID AMS	2.50	PMV 11						
2A»	RNDUP POWERMAX	1.125	LAA 6	99	88	98	91	17	99
	B CLARITY	0.50	LAA 6						
	C BOUNDARY 6.5EC	1.42	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
	E»FLEXSTAR GT 3.	1.23	LAA 11						
	F DUAL MAGNUM	0.95	LAA 11						
	G»MSO	1.00	PMV 11						
	H»LIQUID AMS	2.50	PMV 11						
3A»	RNDUP POWERMAX	1.125	LAA 6	99	93	97	91	12	99
	B CLARITY	0.50	LAA 6						
	C DUAL MAGNUM	0.95	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
	E»FLEXSTAR GT 3.	1.23	LAA 11						
	F»MSO	1.00	PMV 11						
	G»LIQUID AMS	2.50	PMV 11						
4A»	RNDUP POWERMAX	1.125	LAA 6	99	90	98	91	10	99
	B CLARITY	0.50	LAA 6						
	C»BROADAXE XC 7L	1.37	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
	E»FLEXSTAR GT 3.	1.23	LAA 11						
	F»MSO	1.00	PMV 11						
	G»LIQUID AMS	2.50	PMV 11						
5A»	RNDUP POWERMAX	1.125	LAA 6	99	73	97	98	7	99
	B CLARITY	0.50	LAA 6						
	C BOUNDARY 6.5EC	1.42	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
	E»FLEXSTAR GT 3.	1.23	LAA 11						
	F CLARITY	0.50	LAA 11						
	G»MSO	1.00	PMV 11						
6A»	RNDUP POWERMAX	1.125	LAA 6	99	95	99	90	10	99
	B»VALOR XLT 40WG	3.00	OMA 0						
	C CLASSIC 25WG	0.019	LAA 6						
	D VALOR 51WG	0.056	LAA 6						
	E CLARITY	0.50	LAA 6						
	F»LIQUID AMS	2.50	PMV 6						
	G»FLEXSTAR GT 3.	1.23	LAA 11						
	H»MSO	1.00	PMV 11						
	I»LIQUID AMS	2.50	PMV 11						
7A»	RNDUP POWERMAX	1.125	LAA 6	99	96	99	90	1	99
	B CLARITY	0.50	LAA 6						
	C DUAL MAGNUM	0.95	LAA 6						
	D»LIQUID AMS	2.50	PMV 6						
	E DUAL MAGNUM	0.95	LAA 11						
	F»RNDUP POWERMAX	0.77	LAA 11						
	G CLARITY	0.50	LAA 11						
	H»MSO	1.00	PMV 11						
8A	CHECK	0.00	NA 0	0	0	0	0	0	0
9A»	RNDUP POWERMAX	1.125	LAA 6	99	33	91	92	16	99
	B BOUNDARY 6.5EC	1.42	LAA 6						
	C»LIQUID AMS	2.50	PMV 6						
	D»FLEXSTAR GT 3.	1.23	LAA 11						
	E»MSO	1.00	PMV 11						
	F»LIQUID AMS	2.50	PMV 11						

TITLE: Syngenta Notill Systems for Weed Control in No-till Xtend Soybean. 261-68

TRT NUM	TREATMENT COMPONENT	DOSAGE		TM	LAMAM	ERICA	CHEAL	SETFA	GLXMA	STEME
		RATE	UNIT		CON % 06/17/16	CON % 06/17/16	CON % 06/17/16	CON % 06/17/16	CON % 07/05/16	CON % 07/05/16
10A»	RNDUP POWERMAX	1.125	LAA	6	99	78	78	73	0	99
	B»2,4-D LVE	0.50	LAA	6						
	C»LIQUID AMS	2.50	PMV	6						
		LSD (0.05)			0.0	12.3	5.2	12.2	4.6	0.0
		STANDARD DEVIATION			0.0	5.8	2.5	5.8	2.2	0.0

TITLE: Syngenta Notill Systems for Weed Control in No-till Xtend Soybean. 261-68
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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	TREATMENT	DOSAGE			LAMAM	ERICA	CHEAL	SETFA
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					07/05/16	07/05/16	07/05/16	07/05/16
1A»	RNDUP POWERMAX	1.125	LAA	6	99	93	99	99
	B CLARITY	0.50	LAA	6				
	C BOUNDARY 6.5EC	1.42	LAA	6				
	D»LIQUID AMS	2.50	PMV	6				
	E»FLEXSTAR GT 3.	1.23	LAA	11				
	F»MSO	1.00	PMV	11				
	G»LIQUID AMS	2.50	PMV	11				
2A»	RNDUP POWERMAX	1.125	LAA	6	99	97	99	99
	B CLARITY	0.50	LAA	6				
	C BOUNDARY 6.5EC	1.42	LAA	6				
	D»LIQUID AMS	2.50	PMV	6				
	E»FLEXSTAR GT 3.	1.23	LAA	11				
	F DUAL MAGNUM	0.95	LAA	11				
	G»MSO	1.00	PMV	11				
	H»LIQUID AMS	2.50	PMV	11				
3A»	RNDUP POWERMAX	1.125	LAA	6	99	98	99	99
	B CLARITY	0.50	LAA	6				
	C DUAL MAGNUM	0.95	LAA	6				
	D»LIQUID AMS	2.50	PMV	6				
	E»FLEXSTAR GT 3.	1.23	LAA	11				
	F»MSO	1.00	PMV	11				
	G»LIQUID AMS	2.50	PMV	11				
4A»	RNDUP POWERMAX	1.125	LAA	6	99	99	99	99
	B CLARITY	0.50	LAA	6				
	C»BROADAXE XC 7L	1.37	LAA	6				
	D»LIQUID AMS	2.50	PMV	6				
	E»FLEXSTAR GT 3.	1.23	LAA	11				
	F»MSO	1.00	PMV	11				
	G»LIQUID AMS	2.50	PMV	11				
5A»	RNDUP POWERMAX	1.125	LAA	6	99	99	99	99
	B CLARITY	0.50	LAA	6				
	C BOUNDARY 6.5EC	1.42	LAA	6				
	D»LIQUID AMS	2.50	PMV	6				
	E»FLEXSTAR GT 3.	1.23	LAA	11				
	F CLARITY	0.50	LAA	11				
	G»MSO	1.00	PMV	11				
6A»	RNDUP POWERMAX	1.125	LAA	6	99	98	99	99
	B»VALOR XLT 40WG	3.00	OMA	0				
	C CLASSIC 25WG	0.019	LAA	6				
	D VALOR 51WG	0.056	LAA	6				
	E CLARITY	0.50	LAA	6				
	F»LIQUID AMS	2.50	PMV	6				
	G»FLEXSTAR GT 3.	1.23	LAA	11				
	H»MSO	1.00	PMV	11				
	I»LIQUID AMS	2.50	PMV	11				
7A»	RNDUP POWERMAX	1.125	LAA	6	99	99	99	99
	B CLARITY	0.50	LAA	6				
	C DUAL MAGNUM	0.95	LAA	6				
	D»LIQUID AMS	2.50	PMV	6				
	E DUAL MAGNUM	0.95	LAA	11				
	F»RNDUP POWERMAX	0.77	LAA	11				
	G CLARITY	0.50	LAA	11				
	H»MSO	1.00	PMV	11				
8A	CHECK	0.00	NA	0	0	0	0	0
9A»	RNDUP POWERMAX	1.125	LAA	6	99	55	99	99
	B BOUNDARY 6.5EC	1.42	LAA	6				
	C»LIQUID AMS	2.50	PMV	6				
	D»FLEXSTAR GT 3.	1.23	LAA	11				
	E»MSO	1.00	PMV	11				
	F»LIQUID AMS	2.50	PMV	11				

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TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	LAMAM CON % 07/05/16	ERICA CON % 07/05/16	CHEAL CON % 07/05/16	SETFA CON % 07/05/16
10A»RNDUP POWERMAX	1.125	LAA	6	99	68	81	53
B»2,4-D LVE	0.50	LAA	6				
C»LIQUID AMS	2.50	PMV	6				
LSD (0.05)				0.0	5.3	0.9	3.1
STANDARD DEVIATION				0.0	2.5	0.4	1.5

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 06 = --- / EPP 7 DBP 05/18/2016(1)
 11 = --- / EPOST 06/17/2016(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	STEME	CON %	06/06/2016	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	LAMAM	CON %	06/06/2016	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ERICA	CON %	06/06/2016	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	CHEAL	CON %	06/06/2016	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	GLXMA	CON %	06/17/2016	01	P	GLXMA	13	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	STEME	CON %	06/17/2016	02	P	STEME	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	LAMAM	CON %	06/17/2016	03	P	LAMAM	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ERICA	CON %	06/17/2016	04	P	ERICA	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/17/2016	05	P	CHEAL	19	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	SETFA	CON %	06/17/2016	06	P	SETFA	12	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	07/05/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	STEME	CON %	07/05/2016	02	P	STEME		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	LAMAM	CON %	07/05/2016	03	P	LAMAM		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ERICA	CON %	07/05/2016	04	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/05/2016	05	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/05/2016	06	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = S34-B4X RR2

* STAGE CODE

12 = 2 LEAVES UNFOLDED
 13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED