

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: NA
 PH: 6.6
 %OM: 3.5
 PREV.CROP: GLXMA - SOYBEAN
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/08/17	07/03/17	07/06/17	AME
TIME - BEGIN	10:00	13:55	08:00	24H
TIME - END	10:10	14:10	08:30	24H
AIR TEMPERATURE	72	92	74	F
% REL.HUMIDITY	37	45	80	
WIND DIRECTION	NORTH	SOUTH	NORTH	
WIND SPEED	6.0	3.0	3.0	M/H
CLOUD COVER	CLEAR-0%	CLEAR-0%	PAR.CLOUD	
DEW	TO BE SEL	TO BE SEL	NO	
SOIL MOISTURE	DRY/ DRY	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	70/4.00	90/4.00	80/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	SPECIAL	FLATFAN	
NOZZLE DESCRIPTION		TTI11002	TTI10002	
NOZZLE VOLUME	0.00	0.00	0.00	GPM
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
BOOM HEIGHT	20.0	20.0	20.0	IN
SPEED	3.00	3.00	3.00	M/H
MIX SIZE	0.330	0.250	0.250	
MIX SIZE UNIT	GAL	GAL	GAL	
SPRAY VOLUME	20.00	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	TO BE SEL	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	DEN / STG MIN / MAX	
CROP * P, SOYBEAN S35-K9X (PLANTED) 06/07/2017		---/14 4.00/5.00 26 DAP		IN
PEST *				
P, VELVETLEAF		---/15 3.00/3.00	---/16 3.00/4.00	IN
P, WATERHEMP, COMMO		---/18 3.00/3.00	---/19 4.00/4.00	IN

* TIMING CODES

09 = --- / PREEMERGENCE

* TIMING CODES

11 = --- / EPOST
12 = --- / POST

* STAGE CODE

14 = 4TH LEAF (2ND TRIFOLIATE LEAF) UNFOLDED, 3 NODES
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 262/17/01 00301 : USYNXWH* CLEM
DATA MEAN

TITLE: Syngenta PRE Residual Herbicides for Waterhemp Control in RR2xtend Soybean. CLEM
CREATED: 05/11/2017 **REVISED:** 02/13/2018 **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			GLXMA	AMATA	ABUTH	GLXMA	AMATA	ABUTH
		RATE	UNIT	TM	CON % 07/05/17	CON % 07/05/17	CON % 07/05/17	CON % 07/12/17	CON % 07/12/17	CON % 07/12/17
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	BOUNDARY 6.5EC	1.46	LAA	9	0	90	90	10	91	93
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D»RNDUP POWERMAX	1.00	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
3A	BROADAXE XC 7L	1.37	LAA	9	0	60	65	13	88	90
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D»RNDUP POWERMAX	1.00	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
4A	PREFIX 5.32SL	1.32	LAA	9	0	63	60	15	85	90
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D»RNDUP POWERMAX	1.00	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
5A	BOUNDARY 6.5EC	1.46	LAA	9	0	93	93	18	96	99
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D FLEXSTAR 1.88	0.29	LAA	12						
	E»RNDUP POWERMAX	1.00	LAA	12						
	F»CLASS ACT RIDI	1.00	PMV	12						
6A	BROADAXE XC 7L	1.37	LAA	9	0	50	96	25	77	85
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D FLEXSTAR 1.88	0.29	LAA	12						
	E»RNDUP POWERMAX	1.00	LAA	12						
	F»CLASS ACT RIDI	1.00	PMV	12						
7A	VALOR XLT 40WG	3.00	OMA	0	0	57	78	3	92	96
	B VALOR 51WG	0.056	LAA	9						
	C CLASSIC 25WG	0.019	LAA	9						
	D»AG16098	0.50	PMV	12						
	E»XTENDIMAX 2.9	0.50	LAA	12						
	F»RNDUP POWERMAX	1.00	LAA	12						
	G»CLASS ACT RIDI	1.00	PMV	12						
8A	AG16098	0.50	PMV	11	0	67	80	0	95	97
	B»A21472 3.39L	1.50	LAA	11						
	C»RNDUP POWERMAX	1.00	LAA	11						
	D»CLASS ACT RIDI	1.00	PMV	11						
9A	AG16098	0.50	PMV	11	0	73	92	0	97	99
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»RNDUP POWERMAX	1.00	LAA	11						
	D»CLASS ACT RIDI	1.00	PMV	11						
10A	AUTHOR. FIRST	0.175	LAA	9	0	96	97	0	99	99
	B»AG16098	0.50	PMV	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»RNDUP POWERMAX	1.00	LAA	11						
	E»CLASS ACT RIDI	1.00	PMV	11						
		LSD (0.05)			0.0	20.6	19.1	3.6	8.6	5.4
		STANDARD DEVIATION			0.0	9.8	9.1	1.7	4.1	2.6

TRIAL # US 262/17/01 00301 : USYNXWH* CLEM
DATA MEAN

TITLE: Syngenta PRE Residual Herbicides for Waterhemp Control in RR2xtend Soybean. CLEM
CREATED: 05/11/2017 **REVISED:** 02/13/2018 **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			GLXMA	AMATA	ABUTH	GLXMA	AMATA	ABUTH
		RATE	UNIT	TM	CON % 07/20/17	CON % 07/20/17	CON % 07/20/17	CON % 07/28/17	CON % 07/28/17	CON % 07/28/17
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	BOUNDARY 6.5EC	1.46	LAA	9	10	99	99	10	99	99
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D»RNDUP POWERMAX	1.00	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
3A»	BROADAXE XC 7L	1.37	LAA	9	10	99	99	10	99	99
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D»RNDUP POWERMAX	1.00	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
4A»	PREFIX 5.32SL	1.32	LAA	9	10	97	98	10	97	98
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D»RNDUP POWERMAX	1.00	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
5A	BOUNDARY 6.5EC	1.46	LAA	9	15	98	99	15	98	98
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D FLEXSTAR 1.88	0.29	LAA	12						
	E»RNDUP POWERMAX	1.00	LAA	12						
	F»CLASS ACT RIDI	1.00	PMV	12						
6A»	BROADAXE XC 7L	1.37	LAA	9	22	88	96	22	87	94
	B»AG16098	0.50	PMV	12						
	C»A21472 3.39L	1.50	LAA	12						
	D FLEXSTAR 1.88	0.29	LAA	12						
	E»RNDUP POWERMAX	1.00	LAA	12						
	F»CLASS ACT RIDI	1.00	PMV	12						
7A»	VALOR XLT 40WG	3.00	OMA	0	5	98	99	5	97	99
	B VALOR 51WG	0.056	LAA	9						
	C CLASSIC 25WG	0.019	LAA	9						
	D»AG16098	0.50	PMV	12						
	E»XTENDIMAX 2.9	0.50	LAA	12						
	F»RNDUP POWERMAX	1.00	LAA	12						
	G»CLASS ACT RIDI	1.00	PMV	12						
8A»	AG16098	0.50	PMV	11	0	99	99	0	99	99
	B»A21472 3.39L	1.50	LAA	11						
	C»RNDUP POWERMAX	1.00	LAA	11						
	D»CLASS ACT RIDI	1.00	PMV	11						
9A»	AG16098	0.50	PMV	11	0	98	99	0	98	99
	B»XTENDIMAX 2.9	0.50	LAA	11						
	C»RNDUP POWERMAX	1.00	LAA	11						
	D»CLASS ACT RIDI	1.00	PMV	11						
10A»	AUTHOR. FIRST	0.175	LAA	9	0	99	99	0	99	99
	B»AG16098	0.50	PMV	11						
	C»XTENDIMAX 2.9	0.50	LAA	11						
	D»RNDUP POWERMAX	1.00	LAA	11						
	E»CLASS ACT RIDI	1.00	PMV	11						
		LSD (0.05)			5.0	6.3	1.4	5.0	8.0	2.6
		STANDARD DEVIATION			2.4	3.0	0.7	2.4	3.8	1.2

TRIAL # US 262/17/01 00301 : USYNXWH* CLEM
DATA MEAN

TITLE: Syngenta PRE Residual Herbicides for Waterhemp Control in RR2Xtend Soybean. CLEM
 CREATED: 05/11/2017 REVISED: 02/13/2018 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			YIELD BU/A 10/31/17
		RATE	UNIT	TM	
1A	CHECK	0.00	NA	0	29
2A	BOUNDARY 6.5EC	1.46	LAA	9	79
	B»AG16098	0.50	PMV	12	
	C»A21472 3.39L	1.50	LAA	12	
	D»RNDUP POWERMAX	1.00	LAA	12	
	E»CLASS ACT RIDI	1.00	PMV	12	
3A	BROADAXE XC 7L	1.37	LAA	9	77
	B»AG16098	0.50	PMV	12	
	C»A21472 3.39L	1.50	LAA	12	
	D»RNDUP POWERMAX	1.00	LAA	12	
	E»CLASS ACT RIDI	1.00	PMV	12	
4A	PREFIX 5.32SL	1.32	LAA	9	72
	B»AG16098	0.50	PMV	12	
	C»A21472 3.39L	1.50	LAA	12	
	D»RNDUP POWERMAX	1.00	LAA	12	
	E»CLASS ACT RIDI	1.00	PMV	12	
5A	BOUNDARY 6.5EC	1.46	LAA	9	71
	B»AG16098	0.50	PMV	12	
	C»A21472 3.39L	1.50	LAA	12	
	D FLEXSTAR 1.88	0.29	LAA	12	
	E»RNDUP POWERMAX	1.00	LAA	12	
	F»CLASS ACT RIDI	1.00	PMV	12	
6A	BROADAXE XC 7L	1.37	LAA	9	68
	B»AG16098	0.50	PMV	12	
	C»A21472 3.39L	1.50	LAA	12	
	D FLEXSTAR 1.88	0.29	LAA	12	
	E»RNDUP POWERMAX	1.00	LAA	12	
	F»CLASS ACT RIDI	1.00	PMV	12	
7A	VALOR XLT 40WG	3.00	OMA	0	74
	B VALOR 51WG	0.056	LAA	9	
	C CLASSIC 25WG	0.019	LAA	9	
	D»AG16098	0.50	PMV	12	
	E»XTENDIMAX 2.9	0.50	LAA	12	
	F»RNDUP POWERMAX	1.00	LAA	12	
	G»CLASS ACT RIDI	1.00	PMV	12	
8A	AG16098	0.50	PMV	11	74
	B»A21472 3.39L	1.50	LAA	11	
	C»RNDUP POWERMAX	1.00	LAA	11	
	D»CLASS ACT RIDI	1.00	PMV	11	
9A	AG16098	0.50	PMV	11	76
	B»XTENDIMAX 2.9	0.50	LAA	11	
	C»RNDUP POWERMAX	1.00	LAA	11	
	D»CLASS ACT RIDI	1.00	PMV	11	
10A	AUTHOR. FIRST	0.175	LAA	9	78
	B»AG16098	0.50	PMV	11	
	C»XTENDIMAX 2.9	0.50	LAA	11	
	D»RNDUP POWERMAX	1.00	LAA	11	
	E»CLASS ACT RIDI	1.00	PMV	11	
		LSD (0.05)			7.8
		STANDARD DEVIATION			3.7

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 06/08/2017(1)

TRIAL # US 262/17/01 00301 : USYNXWH* CLEM
DATA MEAN

* TIMING CODES

11 = --- / EPOST 07/03/2017(2)
12 = --- / POST 07/06/2017(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
001	GLXMA	CON %	07/05/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	AMATA	CON %	07/05/2017	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	ABUTH	CON %	07/05/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	GLXMA	CON %	07/12/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	07/12/2017	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	07/12/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLXMA	CON %	07/20/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	07/20/2017	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ABUTH	CON %	07/20/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	GLXMA	CON %	07/28/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	07/28/2017	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	07/28/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	YIELD	BU/A	10/31/2017	01	P	GLXMA		RAW	ALL	YLD	BU	---	1.00 A	NO	0001	0	N

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

01 = S35-K9X