TRIAL # US 233/17/01 003 01 : USYNPALM* R-3N
APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.0
%OM: 3.6
PREV.CROP: ZEAMD - CORN, DENT
%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	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/05/17	07/07/17	AME
TIME - BEGIN	15:00	09:00	24H
TIME - END	15:25	09:05	24H
AIR TEMPERATURE	90	84	F
% REL.HUMIDITY	24	68	
WIND DIRECTION	NORTH	SOUTHWEST	
WIND SPEED	4.0	6.0	M/H
CLOUD COVER	PAR.CLOUD	CLEAR-0%	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	81/4.00	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	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	3.000	
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		---/16	
S35-K9X		7.00/7.00	IN
(PLANTED) 06/05/2017		32 DAP	
PEST *			
P, VELVETLEAF		---/14	
		1.00/3.00	IN
P, AMARANTH, PALMER		---/16	
		1.00/6.00	IN
P, MORNINGGLORY, TA		---/16	
		1.00/6.00	IN

*** CONTINUE

TRIAL # US 233/17/01 003 01 : USYNPALM* R-3N
APPLICATIONS

SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
PEST *			
P, FOXTAIL, GIANT		---/15 1.00/10.0	IN

*** TIMING CODES**
09 = --- / PREEMERGENCE
12 = --- / POST

*** STAGE CODE**
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
16 = 6TH LEAF (4TH TRIFOLIATE LEAF) UNFOLDED, 5 NODES
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TRIAL # US 233/17/01 003 01 : USYNPALM* R-3N
DATA MEAN

TITLE: Syngenta Preemergence Comparisons in RR2Xtend Soybean. R-3N
CREATED: 05/02/2017 **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 RATE	UNIT	TM	GLXMA CON % 06/17/17	GLXMA CON % 06/24/17	GLXMA CON % 07/06/17	SETFA CON % 07/06/17	AMAPA CON % 07/06/17	ABUTH CON % 07/06/17
1A	»PREFIX 5.32SL	1.33	LAA	9	0	0	0	58	83	37
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
2A	»PREFIX 5.32SL	1.33	LAA	9	0	0	0	70	92	48
	B»METRIBUZIN 75D	0.28	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
3A	»PREFIX 5.32SL	1.33	LAA	9	0	0	0	55	91	50
	B CANOPY 75WG	0.105	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	0	0	0	60	89	40
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
5A	BOUNDARY 6.5EC	1.42	LAA	9	0	0	0	53	91	67
	B CANOPY 75WG	0.105	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
6A	BOUNDARY 6.5EC	1.42	LAA	9	0	0	0	78	89	72
	B»XTENDIMAX 2.9	0.50	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
7A	»BROADAXE XC 7L	1.37	LAA	9	0	0	0	72	85	52
	B»METRIBUZIN 75D	0.28	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
8A	»SONIC 70DF	0.175	LAA	9	0	0	0	10	86	80
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
9A	»ZIDUA PRO 4.09	0.192	LAA	9	0	0	0	50	94	63
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				0.0	0.0	0.0	15.0	8.9	16.8
	STANDARD DEVIATION				0.0	0.0	0.0	7.1	4.2	8.0

TRIAL # US 233/17/01 003 01 : USYNPALM* R-3N
DATA MEAN

TITLE: Syngenta Preemergence Comparisons in RR2Xtend Soybean. R-3N
CREATED: 05/02/2017 **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 RATE	UNIT	TM	PHBPU CON % 07/06/17	SETFA CON % 07/21/17	AMAPA CON % 07/21/17	ABUTH CON % 07/21/17	PHBPU CON % 07/21/17	SETFA CON % 08/05/17
1A	»PREFIX 5.32SL	1.33	LAA	9	50	99	93	86	98	98
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
2A	»PREFIX 5.32SL	1.33	LAA	9	55	99	98	96	99	99
	B»METRIBUZIN 75D	0.28	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
3A	»PREFIX 5.32SL	1.33	LAA	9	57	98	95	93	98	94
	B CANOPY 75WG	0.105	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	30	98	94	93	97	94
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
5A	BOUNDARY 6.5EC	1.42	LAA	9	58	97	96	95	97	94
	B CANOPY 75WG	0.105	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
6A	BOUNDARY 6.5EC	1.42	LAA	9	60	98	96	98	99	98
	B»XTENDIMAX 2.9	0.50	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
7A	»BROADAXE XC 7L	1.37	LAA	9	50	99	93	95	97	98
	B»METRIBUZIN 75D	0.28	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
8A	»SONIC 70DF	0.175	LAA	9	62	98	97	95	97	94
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
9A	»ZIDUA PRO 4.09	0.192	LAA	9	62	99	98	99	98	95
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				9.2	2.3	4.7	7.4	2.8	4.2
	STANDARD DEVIATION				4.4	1.1	2.2	3.5	1.3	2.0

TRIAL # US 233/17/01 003 01 : USYNPALM* R-3N
DATA MEAN

TITLE: Syngenta Preemergence Comparisons in RR2Xtend Soybean. R-3N
CREATED: 05/02/2017 **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 RATE	UNIT	TM	AMAPA CON % 08/05/17	ABUTH CON % 08/05/17	PHBPU CON % 08/05/17	SETFA CON % 08/12/17	AMAPA CON % 08/12/17	ABUTH CON % 08/12/17
1A	»PREFIX 5.32SL	1.33	LAA	9	97	93	96	96	95	91
B	»XTENDIMAX 2.9	0.50	LAA	12						
C	»RNDUP POWERMAX	0.91	LAA	12						
D	»CLASS ACT RIDI	1.00	PMV	12						
2A	»PREFIX 5.32SL	1.33	LAA	9	99	96	99	97	98	96
B	»METRIBUZIN 75D	0.28	LAA	9						
C	»XTENDIMAX 2.9	0.50	LAA	12						
D	»RNDUP POWERMAX	0.91	LAA	12						
E	»CLASS ACT RIDI	1.00	PMV	12						
3A	»PREFIX 5.32SL	1.33	LAA	9	96	96	95	91	95	93
B	CANOPY 75WG	0.105	LAA	9						
C	»XTENDIMAX 2.9	0.50	LAA	12						
D	»RNDUP POWERMAX	0.91	LAA	12						
E	»CLASS ACT RIDI	1.00	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	95	97	97	92	91	96
B	»XTENDIMAX 2.9	0.50	LAA	12						
C	»RNDUP POWERMAX	0.91	LAA	12						
D	»CLASS ACT RIDI	1.00	PMV	12						
5A	BOUNDARY 6.5EC	1.42	LAA	9	96	99	98	91	94	99
B	CANOPY 75WG	0.105	LAA	9						
C	»XTENDIMAX 2.9	0.50	LAA	12						
D	»RNDUP POWERMAX	0.91	LAA	12						
E	»CLASS ACT RIDI	1.00	PMV	12						
6A	BOUNDARY 6.5EC	1.42	LAA	9	98	99	98	97	96	99
B	»XTENDIMAX 2.9	0.50	LAA	9						
C	»XTENDIMAX 2.9	0.50	LAA	12						
D	»RNDUP POWERMAX	0.91	LAA	12						
E	»CLASS ACT RIDI	1.00	PMV	12						
7A	»BROADAXE XC 7L	1.37	LAA	9	98	99	98	97	96	99
B	»METRIBUZIN 75D	0.28	LAA	9						
C	»XTENDIMAX 2.9	0.50	LAA	12						
D	»RNDUP POWERMAX	0.91	LAA	12						
E	»CLASS ACT RIDI	1.00	PMV	12						
8A	»SONIC 70DF	0.175	LAA	9	98	99	97	93	93	99
B	»XTENDIMAX 2.9	0.50	LAA	12						
C	»RNDUP POWERMAX	0.91	LAA	12						
D	»CLASS ACT RIDI	1.00	PMV	12						
9A	»ZIDUA PRO 4.09	0.192	LAA	9	99	99	98	94	98	99
B	»XTENDIMAX 2.9	0.50	LAA	12						
C	»RNDUP POWERMAX	0.91	LAA	12						
D	»CLASS ACT RIDI	1.00	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				3.9	4.4	1.4	6.1	6.0	5.1
	STANDARD DEVIATION				1.9	2.1	0.7	2.9	2.9	2.4

TRIAL # US 233/17/01 003 01 : USYNPALM* R-3N
DATA MEAN

TITLE: Syngenta Preemergence Comparisons in RR2Xtend Soybean. R-3N
CREATED: 05/02/2017 **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 RATE	UNIT	TM	PHBPU CON % 08/12/17	SETFA CON % 08/19/17	AMAPA CON % 08/19/17	ABUTH CON % 08/19/17	PHBPU CON % 08/19/17	YIELD BU/A 10/18/17
1A	»PREFIX 5.32SL	1.33	LAA	9	94	94	92	90	93	65
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
2A	»PREFIX 5.32SL	1.33	LAA	9	97	95	98	95	95	59
	B»METRIBUZIN 75D	0.28	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
3A	»PREFIX 5.32SL	1.33	LAA	9	94	88	92	90	92	60
	B CANOPY 75WG	0.105	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
4A	BOUNDARY 6.5EC	1.42	LAA	9	96	87	91	96	95	68
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
5A	BOUNDARY 6.5EC	1.42	LAA	9	95	89	93	99	95	62
	B CANOPY 75WG	0.105	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
6A	BOUNDARY 6.5EC	1.42	LAA	9	96	95	96	98	93	65
	B»XTENDIMAX 2.9	0.50	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
7A	»BROADAXE XC 7L	1.37	LAA	9	96	96	94	99	95	67
	B»METRIBUZIN 75D	0.28	LAA	9						
	C»XTENDIMAX 2.9	0.50	LAA	12						
	D»RNDUP POWERMAX	0.91	LAA	12						
	E»CLASS ACT RIDI	1.00	PMV	12						
8A	»SONIC 70DF	0.175	LAA	9	93	89	88	99	92	53
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
9A	»ZIDUA PRO 4.09	0.192	LAA	9	98	91	98	99	97	63
	B»XTENDIMAX 2.9	0.50	LAA	12						
	C»RNDUP POWERMAX	0.91	LAA	12						
	D»CLASS ACT RIDI	1.00	PMV	12						
10A	CHECK	0.00	NA	0	0	0	0	0	0	22
	LSD (0.05)				3.1	7.1	8.8	5.5	3.2	11.3
	STANDARD DEVIATION				1.5	3.4	4.2	2.6	1.5	5.4

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/05/2017(1)
12 = --- / POST 07/07/2017(2)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLXMA	CON %	06/17/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TRIAL # US 233/17/01 003 01 : USYNPALM* R-3N
DATA MEAN

TITLE: Syngenta Preemergence Comparisons in RR2Xtend Soybean. R-3N

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
002	GLXMA	CON %	06/24/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	GLXMA	CON %	07/06/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	SETFA	CON %	07/06/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMAPA	CON %	07/06/2017	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ABUTH	CON %	07/06/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	PHBPU	CON %	07/06/2017	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	07/21/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMAPA	CON %	07/21/2017	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	CON %	07/21/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	07/21/2017	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	08/05/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMAPA	CON %	08/05/2017	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	ABUTH	CON %	08/05/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	08/05/2017	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	08/12/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	AMAPA	CON %	08/12/2017	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	08/12/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	08/12/2017	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	08/19/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	AMAPA	CON %	08/19/2017	03	P	AMAPA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ABUTH	CON %	08/19/2017	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	PHBPU	CON %	08/19/2017	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	YIELD	BU/A	10/18/2017	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