

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL  
PH: 5.8  
%OM: 3.2  
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	UNIT
TIMINGS	09	12	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/05/17	07/06/17	AME
TIME - BEGIN	12:40	10:40	24H
TIME - END	13:00	11:00	24H
AIR TEMPERATURE	90	86	F
% REL.HUMIDITY	30	64	
WIND DIRECTION	NORTH	NORTH	
WIND SPEED	7.0	6.0	M/H
CLOUD COVER	CLEAR-0%	CLEAR-0%	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	85/4.00	83/4.00	F/IN
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	SPECIAL	
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		---/17	
AG34X6 RR2XTEND		11.0/11.0	IN
(PLANTED) 06/05/2017		31 DAP	
PEST *			
P, WATERHEMP, COMMO		---/19	
		3.00/5.00	IN
P, MORNINGGLORY, TA		---/16	
		2.00/3.00	IN
P, FOXTAIL, GIANT		---/14	
		7.00/7.00	IN

\* TIMING CODES

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

\* STAGE CODE

14 = 4 LEAVES UNFOLDED  
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED  
17 = 7TH LEAF (5TH TRIFOLIATE LEAF) UNFOLDED, 6 NODES  
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

**TRIAL # US 224/17/01 002 01 : USBASFXT C-400  
DATA MEAN**

**TITLE:** BASF Herbicide Combos for Weed Control in RR2Xtend Soybean. C-400  
**CREATED:** 05/09/2017 **REVISED:** 03/20/2018 **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	SETFA	AMATA	PHBPU	AMATA	GLXMA
		RATE	UNIT	TM	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17	CON % 06/18/17	CON % 06/30/17
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»RNDUP POWERMAX	1.125	LAA	12	0	0	0	0	0	0
	B»ENGENIA 5L	0.50	LAA	12						
3A	»VERDICT 5.57L	0.22	LAA	9	0	97	98	80	99	0
4A	»VERDICT 5.57L	0.22	LAA	9	0	97	98	75	99	0
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ENGENIA 5L	0.50	LAA	12						
5A	»VERDICT 5.57L	0.22	LAA	9	0	98	99	82	99	0
	B OUTLOOK 6EC	0.23	LAA	9						
6A	»VERDICT 5.57L	0.22	LAA	9	0	99	98	81	99	0
	B OUTLOOK 6EC	0.23	LAA	9						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»ENGENIA 5L	0.50	LAA	12						
7A	»ZIDUA PRO 4.09	0.144	LAA	9	0	99	99	95	99	0
8A	»ZIDUA PRO 4.09	0.144	LAA	9	0	98	99	93	99	0
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ENGENIA 5L	0.50	LAA	12						
9A	»ZIDUA PRO 4.09	0.192	LAA	9	0	99	99	95	99	0
10A	»ZIDUA PRO 4.09	0.192	LAA	9	0	99	99	98	99	0
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ENGENIA 5L	0.50	LAA	12						
11A	»VERDICT 5.57L	0.22	LAA	9	0	97	99	93	99	0
	B»ZIDUA SC 4.17	0.106	LAA	9						
12A	»VERDICT 5.57L	0.22	LAA	9	0	98	99	89	99	0
	B»ZIDUA SC 4.17	0.106	LAA	9						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»ENGENIA 5L	0.50	LAA	12						
		LSD (0.05)			0.0	1.4	0.9	7.3	0.0	0.0
		STANDARD DEVIATION			0.0	0.7	0.4	3.5	0.0	0.0

**TRIAL # US 224/17/01 002 01 : USBASFXT C-400  
DATA MEAN**

**TITLE:** BASF Herbicide Combos for Weed Control in RR2Xtend Soybean. C-400  
**CREATED:** 05/09/2017 **REVISED:** 03/20/2018 **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			SETFA	ABUTH	PHBPU	AMATA	GLXMA	SETFA
		RATE	UNIT	TM	CON % 06/30/17	CON % 06/30/17	CON % 06/30/17	CON % 06/30/17	CON % 07/19/17	CON % 07/19/17
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»RNDUP POWERMAX	1.125	LAA	12	0	0	0	0	0	99
	B»ENGENIA 5L	0.50	LAA	12						
3A	»VERDICT 5.57L	0.22	LAA	9	72	73	68	87	0	33
4A	»VERDICT 5.57L	0.22	LAA	9	62	72	72	84	0	98
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ENGENIA 5L	0.50	LAA	12						
5A	»VERDICT 5.57L	0.22	LAA	9	68	63	70	81	0	43
	B OUTLOOK 6EC	0.23	LAA	9						
6A	»VERDICT 5.57L	0.22	LAA	9	77	67	72	83	0	99
	B OUTLOOK 6EC	0.23	LAA	9						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»ENGENIA 5L	0.50	LAA	12						
7A	»ZIDUA PRO 4.09	0.144	LAA	9	88	84	83	91	0	77
8A	»ZIDUA PRO 4.09	0.144	LAA	9	91	91	85	90	0	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ENGENIA 5L	0.50	LAA	12						
9A	»ZIDUA PRO 4.09	0.192	LAA	9	95	96	86	97	0	93
10A	»ZIDUA PRO 4.09	0.192	LAA	9	94	94	92	97	0	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ENGENIA 5L	0.50	LAA	12						
11A	»VERDICT 5.57L	0.22	LAA	9	93	94	84	91	0	75
	B»ZIDUA SC 4.17	0.106	LAA	9						
12A	»VERDICT 5.57L	0.22	LAA	9	84	87	82	96	0	99
	B»ZIDUA SC 4.17	0.106	LAA	9						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»ENGENIA 5L	0.50	LAA	12						
		LSD (0.05)			12.9	9.8	12.1	10.1	0.0	7.5
		STANDARD DEVIATION			6.2	4.7	5.8	4.9	0.0	3.6

**TRIAL # US 224/17/01 002 01 : USBASFXT C-400  
DATA MEAN**

**TITLE:** BASF Herbicide Combos for Weed Control in RR2Xtend Soybean. C-400  
**CREATED:** 05/09/2017 **REVISED:** 03/20/2018 **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			ABUTH	PHBPU	AMATA	GLXMA	SETFA	ABUTH
		RATE	UNIT	TM	CON % 07/19/17	CON % 07/19/17	CON % 07/19/17	CON % 08/02/17	CON % 08/02/17	CON % 08/02/17
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	»RNDUP POWERMAX	1.125	LAA	12	99	99	98	0	98	99
	B»ENGENIA 5L	0.50	LAA	12						
3A	»VERDICT 5.57L	0.22	LAA	9	40	43	40	0	33	40
4A	»VERDICT 5.57L	0.22	LAA	9	99	99	96	0	95	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ENGENIA 5L	0.50	LAA	12						
5A	»VERDICT 5.57L	0.22	LAA	9	40	27	47	0	33	40
	B OUTLOOK 6EC	0.23	LAA	9						
6A	»VERDICT 5.57L	0.22	LAA	9	99	99	99	0	99	99
	B OUTLOOK 6EC	0.23	LAA	9						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»ENGENIA 5L	0.50	LAA	12						
7A	»ZIDUA PRO 4.09	0.144	LAA	9	73	53	67	0	67	73
8A	»ZIDUA PRO 4.09	0.144	LAA	9	99	99	99	0	99	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ENGENIA 5L	0.50	LAA	12						
9A	»ZIDUA PRO 4.09	0.192	LAA	9	88	65	91	0	85	87
10A	»ZIDUA PRO 4.09	0.192	LAA	9	99	99	99	0	99	99
	B»RNDUP POWERMAX	1.125	LAA	12						
	C»ENGENIA 5L	0.50	LAA	12						
11A	»VERDICT 5.57L	0.22	LAA	9	82	50	90	0	67	77
	B»ZIDUA SC 4.17	0.106	LAA	9						
12A	»VERDICT 5.57L	0.22	LAA	9	99	99	99	0	99	99
	B»ZIDUA SC 4.17	0.106	LAA	9						
	C»RNDUP POWERMAX	1.125	LAA	12						
	D»ENGENIA 5L	0.50	LAA	12						
		LSD (0.05)			7.5	10.0	12.2	0.0	12.0	6.9
		STANDARD DEVIATION			3.6	4.8	5.9	0.0	5.8	3.3

TRIAL # US 224/17/01 002 01 : USBASFXT C-400  
DATA MEAN

**TITLE:** BASF Herbicide Combos for Weed Control in RR2xtend Soybean. C-400  
**CREATED:** 05/09/2017 **REVISED:** 03/20/2018 **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 TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	PHBPU CON % 08/02/17	AMATA CON % 08/02/17
1A CHECK	0.00	NA	0	0	0
2A»RNDUP POWERMAX	1.125	LAA	12	99	99
B»ENGENIA 5L	0.50	LAA	12		
3A»VERDICT 5.57L	0.22	LAA	9	33	30
4A»VERDICT 5.57L	0.22	LAA	9	98	97
B»RNDUP POWERMAX	1.125	LAA	12		
C»ENGENIA 5L	0.50	LAA	12		
5A»VERDICT 5.57L	0.22	LAA	9	33	40
B OUTLOOK 6EC	0.23	LAA	9		
6A»VERDICT 5.57L	0.22	LAA	9	98	99
B OUTLOOK 6EC	0.23	LAA	9		
C»RNDUP POWERMAX	1.125	LAA	12		
D»ENGENIA 5L	0.50	LAA	12		
7A»ZIDUA PRO 4.09	0.144	LAA	9	50	50
8A»ZIDUA PRO 4.09	0.144	LAA	9	98	99
B»RNDUP POWERMAX	1.125	LAA	12		
C»ENGENIA 5L	0.50	LAA	12		
9A»ZIDUA PRO 4.09	0.192	LAA	9	63	87
10A»ZIDUA PRO 4.09	0.192	LAA	9	99	98
B»RNDUP POWERMAX	1.125	LAA	12		
C»ENGENIA 5L	0.50	LAA	12		
11A»VERDICT 5.57L	0.22	LAA	9	37	77
B»ZIDUA SC 4.17	0.106	LAA	9		
12A»VERDICT 5.57L	0.22	LAA	9	98	99
B»ZIDUA SC 4.17	0.106	LAA	9		
C»RNDUP POWERMAX	1.125	LAA	12		
D»ENGENIA 5L	0.50	LAA	12		
LSD (0.05)				9.7	9.5
STANDARD DEVIATION				4.7	4.6

» = SUPPLEMENTAL CHEMICAL

**\* TIMING CODES**

00 = --- / UNTREATED TIMING  
 09 = --- / PREEMERGENCE 06/05/2017(1)  
 12 = --- / POST 07/06/2017(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 %	06/18/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/18/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	06/18/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	06/18/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	AMATA	CON %	06/18/2017	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	GLXMA	CON %	06/30/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/30/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ABUTH	CON %	06/30/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	PHBPU	CON %	06/30/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/30/2017	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	GLXMA	CON %	07/19/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	07/19/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ABUTH	CON %	07/19/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TRIAL # US 224/17/01 002 01 : USBASFXT C-400  
 DATA MEAN

TITLE: BASF Herbicide Combos for Weed Control in RR2xtend Soybean. C-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR1	SS	NOTE
014	PHBPU	CON %	07/19/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	CON %	07/19/2017	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	GLXMA	CON %	08/02/2017	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	SETFA	CON %	08/02/2017	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	ABUTH	CON %	08/02/2017	03	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	PHBPU	CON %	08/02/2017	04	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	AMATA	CON %	08/02/2017	05	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = AG34X6 RR2XTEND