

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
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	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	05/20/16	06/18/16	06/21/16	AME
TIME - BEGIN	15:45	07:50	08:20	24H
TIME - END	16:15	08:05	08:50	24H
AIR TEMPERATURE	62	70	78	F
% REL.HUMIDITY	50	80	60	
WIND DIRECTION	EAST	NORTH	NORTHWEST	
WIND SPEED	6.0	6.0	4.0	M/H
CLOUD COVER	CLOUDY~6	PAR.CLOUD	PAR.CLOUD	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	WET/MOIST	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	60/4.00	76/4.00	78/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	TO BE SEL	TO BE SEL	TO BE SEL	
NOZZLE DESCRIPTION	AI11002	TTI	AI11002	
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	0.260	0.260	0.260	
MIX SIZE UNIT	GAL	GAL	GAL	
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	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;soya bea 3816R2X/SR RR2XT (PLANTED) 05/19/2016		---/13 6.00/8.00 30 DAP	---/15 8.00/10.0 33 DAP	IN
PEST *				
P, velvetleaf;velve		---/12 1.00/2.00	---/11 0.50/1.00	IN
P, tall amaranth;co		---/13 0.50/2.00	---/12 0.50/1.00	IN
P, common morning g		---/14 1.00/3.00	---/11 0.50/2.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG	DEN / STG	DEN / STG	
	MIN / MAX	MIN / MAX	MIN / MAX	
PEST *				
P, giant foxtail;no		---/15 2.00/8.00	---/13 1.00/3.00	IN
P, beach cocklebur;		---/16 2.00/6.00	---/12 1.00/4.00	IN

* TIMING CODES

09 = --- / PREEMERGENCE
 11 = --- / EPOST
 12 = --- / POST

* STAGE CODE

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
 12 = 2ND TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3RD LEAF (1ST TRIFOLIATE LEAF) UNFOLDED, 2 NODES
 13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 13 = 3 LEAVES UNFOLDED
 14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
 15 = 5 LEAVES UNFOLDED
 15 = 5TH LEAF (3RD TRIFOLIATE LEAF) UNFOLDED, 4 NODES
 16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200
CREATED: 04/21/2016 **REVISED:** 09/02/2016 **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	TREATMENT	DOSAGE		GLYMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT TM	14 DAT 06/03/16	14 DAT 06/03/16	14 DAT 06/03/16	14 DAT 06/03/16	14 DAT 06/03/16	14 DAT 06/03/16
1A»	RNDUP POWERMAX	1.125	LAA 11	C	C	C	C	C	C
B»	LIQUID AMS	2.50	PMV 11						
2A»	BAS 18309H 4SL	0.50	LAA 11	C	C	C	C	C	C
B»	RNDUP POWERMAX	1.125	LAA 11						
3A»	VERDICT 5.57L	0.22	LAA 9	0	99	99	99	79	62
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
4A»	VERDICT 5.57L	0.22	LAA 9	0	99	99	99	78	67
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.47	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
5A»	VERDICT 5.57L	0.22	LAA 9	0	97	99	99	88	77
B»	ZIDUA SC 4.17	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
6A»	OPTILL 68WG	0.085	LAA 9	0	95	99	99	93	80
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
7A»	OPTILL 68WG	0.085	LAA 9	0	99	99	99	94	73
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.56	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
8A»	SONIC 70DF	0.22	LAA 9	0	50	99	99	87	78
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
9A	BOUNDARY 6.5EC	1.625	LAA 9	0	98	99	75	50	37
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
10A»	PREFIX 5.32SL	1.32	LAA 11	C	C	C	C	C	C
B»	RNDUP POWERMAX	1.125	LAA 11						
C»	ACTIVATOR 90	0.75	PMV 11						
11A»	ENVIVE 41.3SG	2.50	OMA 0	10	65	99	99	65	57
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E»	RNDUP POWERMAX	0.77	LAA 12						
F»	D 1691 4SL	0.50	LAA 12						
12A»	ENVIVE 41.3SG	2.50	OMA 0	12	57	99	99	65	57
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	CINCH	0.955	LAA 12						
F»	RNDUP POWERMAX	0.77	LAA 12						
G»	D 1691 4SL	0.50	LAA 12						
13A»	ENVIVE 41.3SG	2.50	OMA 0	12	55	99	99	68	53
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	COBRA 2EC	0.156	LAA 12						
F	CINCH	0.955	LAA 12						
G»	RNDUP POWERMAX	0.77	LAA 12						

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

TRT	TREATMENT	DOSAGE		GLYMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT TM	14 DAT	14 DAT	14 DAT	14 DAT	14 DAT	14 DAT
				06/03/16	06/03/16	06/03/16	06/03/16	06/03/16	06/03/16
14A	CHECK	0.00	NA 0	0	0	0	0	0	0
15A	»ENLITE 47.86WG	3.50	OMA 0	19	76	99	99	68	53
	B VALOR 51WG	0.079	LAA 9						
	C CLASSIC 25WG	0.00625	LAA 9						
	D»HARMONY 50SG	0.0194	LAA 9						
	E»RNDUP POWERMAX	0.77	LAA 12						
	F»D 1691 4SL	0.50	LAA 12						
16A	»ENLITE 47.86WG	3.50	OMA 0	21	79	99	99	77	58
	B VALOR 51WG	0.079	LAA 9						
	C CLASSIC 25WG	0.00625	LAA 9						
	D»HARMONY 50SG	0.0194	LAA 9						
	E CINCH	0.955	LAA 12						
	F»RNDUP POWERMAX	0.77	LAA 12						
	G»D 1691 4SL	0.50	LAA 12						
17A	»ENLITE 47.86WG	3.50	OMA 0	19	75	99	99	78	60
	B VALOR 51WG	0.079	LAA 9						
	C CLASSIC 25WG	0.00625	LAA 9						
	D»HARMONY 50SG	0.0194	LAA 9						
	E COBRA 2EC	0.156	LAA 12						
	F CINCH	0.955	LAA 12						
	G»RNDUP POWERMAX	0.77	LAA 12						
18A	»BROADAXE XC 7L	1.42	LAA 9	0	99	99	92	83	60
	B»RNDUP POWERMAX	1.125	LAA 12						
	C CLARITY	0.50	LAA 12						
LSD (0.05)				3.0	12.5	0.0	2.9	9.4	10.8
STANDARD DEVIATION				1.5	6.2	0.0	1.4	4.7	5.3

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

CREATED: 04/21/2016 REVISED: 09/02/2016

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	TREATMENT	DOSAGE		GLYMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT TM	7 DAT 06/28/16	7 DAT 06/28/16	7 DAT 06/28/16	7 DAT 06/28/16	7 DAT 06/28/16	7 DAT 06/28/16
1A»	RNDUP POWERMAX	1.125	LAA 11	0	99	92	96	83	99
B»	LIQUID AMS	2.50	PMV 11						
2A»	BAS 18309H 4SL	0.50	LAA 11	0	99	99	99	99	99
B»	RNDUP POWERMAX	1.125	LAA 11						
3A»	VERDICT 5.57L	0.22	LAA 9	0	99	99	99	98	98
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
4A»	VERDICT 5.57L	0.22	LAA 9	0	99	99	99	98	99
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.47	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
5A»	VERDICT 5.57L	0.22	LAA 9	0	99	99	99	99	99
B»	ZIDUA SC 4.17	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
6A»	OPTILL 68WG	0.085	LAA 9	0	99	99	99	99	99
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
7A»	OPTILL 68WG	0.085	LAA 9	0	99	99	99	99	99
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.56	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
8A»	SONIC 70DF	0.22	LAA 9	6	99	94	99	97	98
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
9A	BOUNDARY 6.5EC	1.625	LAA 9	4	99	99	99	76	95
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
10A»	PREFIX 5.32SL	1.32	LAA 11	11	99	99	99	93	99
B»	RNDUP POWERMAX	1.125	LAA 11						
C»	ACTIVATOR 90	0.75	PMV 11						
11A»	ENVIVE 41.3SG	2.50	OMA 0	0	99	99	99	98	99
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E»	RNDUP POWERMAX	0.77	LAA 12						
F»	D 1691 4SL	0.50	LAA 12						
12A»	ENVIVE 41.3SG	2.50	OMA 0	0	99	99	99	98	99
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	CINCH	0.955	LAA 12						
F»	RNDUP POWERMAX	0.77	LAA 12						
G»	D 1691 4SL	0.50	LAA 12						
13A»	ENVIVE 41.3SG	2.50	OMA 0	15	99	99	99	84	99
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	COBRA 2EC	0.156	LAA 12						
F	CINCH	0.955	LAA 12						
G»	RNDUP POWERMAX	0.77	LAA 12						

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

TRT	TREATMENT	DOSAGE	GLYMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	7 DAT	7 DAT	7 DAT	7 DAT
					06/28/16	06/28/16	06/28/16	06/28/16
14A	CHECK	0.00	NA	0	0	0	0	0
15A	»ENLITE 47.86WG	3.50	OMA	0	0	99	99	98
	B VALOR 51WG	0.079	LAA	9				
	C CLASSIC 25WG	0.00625	LAA	9				
	D»HARMONY 50SG	0.0194	LAA	9				
	E»RNDUP POWERMAX	0.77	LAA	12				
	F»D 1691 4SL	0.50	LAA	12				
16A	»ENLITE 47.86WG	3.50	OMA	0	2	99	99	98
	B VALOR 51WG	0.079	LAA	9				
	C CLASSIC 25WG	0.00625	LAA	9				
	D»HARMONY 50SG	0.0194	LAA	9				
	E CINCH	0.955	LAA	12				
	F»RNDUP POWERMAX	0.77	LAA	12				
	G»D 1691 4SL	0.50	LAA	12				
17A	»ENLITE 47.86WG	3.50	OMA	0	14	99	99	89
	B VALOR 51WG	0.079	LAA	9				
	C CLASSIC 25WG	0.00625	LAA	9				
	D»HARMONY 50SG	0.0194	LAA	9				
	E COBRA 2EC	0.156	LAA	12				
	F CINCH	0.955	LAA	12				
	G»RNDUP POWERMAX	0.77	LAA	12				
18A	»BROADAXE XC 7L	1.42	LAA	9	0	99	99	96
	B»RNDUP POWERMAX	1.125	LAA	12				
	C CLARITY	0.50	LAA	12				
LSD (0.05)					1.6	0.2	5.1	0.9
STANDARD DEVIATION					0.8	0.1	2.5	0.4
							4.8	2.3
							2.4	1.1

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

CREATED: 04/21/2016 REVISED: 09/02/2016

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	TREATMENT	DOSAGE		GLYMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT TM	14 DAT 07/07/16	14 DAT 07/07/16	14 DAT 07/07/16	14 DAT 07/07/16	14 DAT 07/07/16	14 DAT 07/07/16
1A»	RNDUP POWERMAX	1.125	LAA 11	0	92	90	99	86	99
B»	LIQUID AMS	2.50	PMV 11						
2A»	BAS 18309H 4SL	0.50	LAA 11	0	94	96	99	97	99
B»	RNDUP POWERMAX	1.125	LAA 11						
3A»	VERDICT 5.57L	0.22	LAA 9	0	98	99	99	97	99
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
4A»	VERDICT 5.57L	0.22	LAA 9	0	99	99	99	97	99
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.47	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
5A»	VERDICT 5.57L	0.22	LAA 9	0	99	99	99	98	99
B»	ZIDUA SC 4.17	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
6A»	OPTILL 68WG	0.085	LAA 9	0	99	99	99	98	99
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
7A»	OPTILL 68WG	0.085	LAA 9	0	99	99	99	99	99
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.56	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
8A»	SONIC 70DF	0.22	LAA 9	2	98	98	99	89	96
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
9A	BOUNDARY 6.5EC	1.625	LAA 9	1	99	98	99	88	96
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
10A»	PREFIX 5.32SL	1.32	LAA 11	9	97	91	99	86	98
B»	RNDUP POWERMAX	1.125	LAA 11						
C»	ACTIVATOR 90	0.75	PMV 11						
11A»	ENVIVE 41.3SG	2.50	OMA 0	0	97	99	99	98	99
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E»	RNDUP POWERMAX	0.77	LAA 12						
F»	D 1691 4SL	0.50	LAA 12						
12A»	ENVIVE 41.3SG	2.50	OMA 0	0	98	99	99	98	99
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	CINCH	0.955	LAA 12						
F»	RNDUP POWERMAX	0.77	LAA 12						
G»	D 1691 4SL	0.50	LAA 12						
13A»	ENVIVE 41.3SG	2.50	OMA 0	11	99	98	99	85	98
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	COBRA 2EC	0.156	LAA 12						
F	CINCH	0.955	LAA 12						
G»	RNDUP POWERMAX	0.77	LAA 12						

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

TRT	TREATMENT	DOSAGE		GLYMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	14 DAT	14 DAT	14 DAT	14 DAT	14 DAT
					07/07/16	07/07/16	07/07/16	07/07/16	07/07/16
14A	CHECK	0.00	NA	0	0	0	0	0	0
15A	»ENLITE 47.86WG	3.50	OMA	0	0	97	99	97	99
	B VALOR 51WG	0.079	LAA	9					
	C CLASSIC 25WG	0.00625	LAA	9					
	D»HARMONY 50SG	0.0194	LAA	9					
	E»RNDUP POWERMAX	0.77	LAA	12					
	F»D 1691 4SL	0.50	LAA	12					
16A	»ENLITE 47.86WG	3.50	OMA	0	0	98	99	97	99
	B VALOR 51WG	0.079	LAA	9					
	C CLASSIC 25WG	0.00625	LAA	9					
	D»HARMONY 50SG	0.0194	LAA	9					
	E CINCH	0.955	LAA	12					
	F»RNDUP POWERMAX	0.77	LAA	12					
	G»D 1691 4SL	0.50	LAA	12					
17A	»ENLITE 47.86WG	3.50	OMA	0	11	99	99	89	95
	B VALOR 51WG	0.079	LAA	9					
	C CLASSIC 25WG	0.00625	LAA	9					
	D»HARMONY 50SG	0.0194	LAA	9					
	E COBRA 2EC	0.156	LAA	12					
	F CINCH	0.955	LAA	12					
	G»RNDUP POWERMAX	0.77	LAA	12					
18A	»BROADAXE XC 7L	1.42	LAA	9	0	99	99	98	99
	B»RNDUP POWERMAX	1.125	LAA	12					
	C CLARITY	0.50	LAA	12					
LSD (0.05)					1.1	2.7	4.5	0.0	5.2
STANDARD DEVIATION					0.5	1.4	2.2	0.0	2.6
									2.4
									1.2

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

CREATED: 04/21/2016 REVISED: 09/02/2016

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	TREATMENT	DOSAGE		GLYMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT TM	28 DAT 07/21/16	28 DAT 07/21/16	28 DAT 07/21/16	28 DAT 07/21/16	28 DAT 07/21/16	28 DAT 07/21/16
1A»	RNDUP POWERMAX	1.125	LAA 11	0	92	94	99	78	82
B»	LIQUID AMS	2.50	PMV 11						
2A»	BAS 18309H 4SL	0.50	LAA 11	0	94	99	99	96	98
B»	RNDUP POWERMAX	1.125	LAA 11						
3A»	VERDICT 5.57L	0.22	LAA 9	0	99	99	99	99	99
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
4A»	VERDICT 5.57L	0.22	LAA 9	0	99	98	99	98	99
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.47	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
5A»	VERDICT 5.57L	0.22	LAA 9	0	99	99	99	98	99
B»	ZIDUA SC 4.17	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
6A»	OPTILL 68WG	0.085	LAA 9	0	99	99	99	99	99
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
7A»	OPTILL 68WG	0.085	LAA 9	0	99	99	99	99	99
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.56	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
8A»	SONIC 70DF	0.22	LAA 9	0	99	99	99	96	98
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
9A	BOUNDARY 6.5EC	1.625	LAA 9	1	99	99	99	91	98
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
10A»	PREFIX 5.32SL	1.32	LAA 11	5	99	96	98	80	90
B»	RNDUP POWERMAX	1.125	LAA 11						
C»	ACTIVATOR 90	0.75	PMV 11						
11A»	ENVIVE 41.3SG	2.50	OMA 0	0	99	99	99	97	99
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E»	RNDUP POWERMAX	0.77	LAA 12						
F»	D 1691 4SL	0.50	LAA 12						
12A»	ENVIVE 41.3SG	2.50	OMA 0	0	98	99	99	98	99
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	CINCH	0.955	LAA 12						
F»	RNDUP POWERMAX	0.77	LAA 12						
G»	D 1691 4SL	0.50	LAA 12						
13A»	ENVIVE 41.3SG	2.50	OMA 0	2	99	99	99	77	90
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	COBRA 2EC	0.156	LAA 12						
F	CINCH	0.955	LAA 12						
G»	RNDUP POWERMAX	0.77	LAA 12						

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

TRT	TREATMENT	DOSAGE		GLYMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT	TM	28 DAT	28 DAT	28 DAT	28 DAT	28 DAT
					07/21/16	07/21/16	07/21/16	07/21/16	07/21/16
14A	CHECK	0.00	NA	0	0	0	0	0	0
15A	»ENLITE 47.86WG	3.50	OMA	0	1	97	99	98	98
	B VALOR 51WG	0.079	LAA	9					
	C CLASSIC 25WG	0.00625	LAA	9					
	D»HARMONY 50SG	0.0194	LAA	9					
	E»RNDUP POWERMAX	0.77	LAA	12					
	F»D 1691 4SL	0.50	LAA	12					
16A	»ENLITE 47.86WG	3.50	OMA	0	0	99	99	99	99
	B VALOR 51WG	0.079	LAA	9					
	C CLASSIC 25WG	0.00625	LAA	9					
	D»HARMONY 50SG	0.0194	LAA	9					
	E CINCH	0.955	LAA	12					
	F»RNDUP POWERMAX	0.77	LAA	12					
	G»D 1691 4SL	0.50	LAA	12					
17A	»ENLITE 47.86WG	3.50	OMA	0	3	99	99	83	91
	B VALOR 51WG	0.079	LAA	9					
	C CLASSIC 25WG	0.00625	LAA	9					
	D»HARMONY 50SG	0.0194	LAA	9					
	E COBRA 2EC	0.156	LAA	12					
	F CINCH	0.955	LAA	12					
	G»RNDUP POWERMAX	0.77	LAA	12					
18A	»BROADAXE XC 7L	1.42	LAA	9	0	99	99	99	99
	B»RNDUP POWERMAX	1.125	LAA	12					
	C CLARITY	0.50	LAA	12					
		LSD (0.05)			1.8	2.9	1.4	0.9	4.0
		STANDARD DEVIATION			0.9	1.4	0.7	0.4	2.0

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

CREATED: 04/21/2016 REVISED: 09/02/2016

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	TREATMENT	DOSAGE		GLYMA	SETFA	AMATA	ABUTH	PHBPU	XANST
NUM	COMPONENT	RATE	UNIT TM	42 DAT 08/08/16	42 DAT 08/08/16	42 DAT 08/08/16	42 DAT 08/08/16	42 DAT 08/08/16	42 DAT 08/08/16
1A»	RNDUP POWERMAX	1.125	LAA 11	0	82	85	99	68	73
B»	LIQUID AMS	2.50	PMV 11						
2A»	BAS 18309H 4SL	0.50	LAA 11	0	83	93	99	90	95
B»	RNDUP POWERMAX	1.125	LAA 11						
3A»	VERDICT 5.57L	0.22	LAA 9	0	96	99	99	94	99
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
4A»	VERDICT 5.57L	0.22	LAA 9	0	96	96	98	95	99
B	OUTLOOK 6EC	0.47	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.47	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
5A»	VERDICT 5.57L	0.22	LAA 9	0	96	99	99	95	99
B»	ZIDUA SC 4.17	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
6A»	OPTILL 68WG	0.085	LAA 9	0	98	99	99	97	99
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D»	RNDUP POWERMAX	1.125	LAA 12						
7A»	OPTILL 68WG	0.085	LAA 9	0	98	99	99	97	98
B»	ZIDUA 85WG	0.106	LAA 9						
C»	ENGENIA 5L	0.50	LAA 12						
D	OUTLOOK 6EC	0.56	LAA 12						
E»	RNDUP POWERMAX	1.125	LAA 12						
8A»	SONIC 70DF	0.22	LAA 9	0	98	99	96	88	92
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
9A	BOUNDARY 6.5EC	1.625	LAA 9	0	98	96	99	76	90
B»	FLEXSTAR GT 3.	1.06	LAA 12						
C»	COC	1.00	PMV 12						
D»	LIQUID AMS	2.50	PMV 12						
10A»	PREFIX 5.32SL	1.32	LAA 11	0	96	88	96	67	79
B»	RNDUP POWERMAX	1.125	LAA 11						
C»	ACTIVATOR 90	0.75	PMV 11						
11A»	ENVIVE 41.3SG	2.50	OMA 0	0	95	99	99	94	96
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E»	RNDUP POWERMAX	0.77	LAA 12						
F»	D 1691 4SL	0.50	LAA 12						
12A»	ENVIVE 41.3SG	2.50	OMA 0	0	96	96	99	95	98
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	CINCH	0.955	LAA 12						
F»	RNDUP POWERMAX	0.77	LAA 12						
G»	D 1691 4SL	0.50	LAA 12						
13A»	ENVIVE 41.3SG	2.50	OMA 0	0	94	99	99	60	86
B	VALOR 51WG	0.046	LAA 9						
C	CLASSIC 25WG	0.0144	LAA 9						
D»	HARMONY 50SG	0.0044	LAA 9						
E	COBRA 2EC	0.156	LAA 12						
F	CINCH	0.955	LAA 12						
G»	RNDUP POWERMAX	0.77	LAA 12						

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	GLYMA 42 DAT 08/08/16	SETFA 42 DAT 08/08/16	AMATA 42 DAT 08/08/16	ABUTH 42 DAT 08/08/16	PHBPU 42 DAT 08/08/16	XANST 42 DAT 08/08/16
14A CHECK	0.00	NA	0	0	0	0	0	0	0
15A»ENLITE 47.86WG	3.50	OMA	0	0	93	98	99	90	96
B VALOR 51WG	0.079	LAA	9						
C CLASSIC 25WG	0.00625	LAA	9						
D»HARMONY 50SG	0.0194	LAA	9						
E»RNDUP POWERMAX	0.77	LAA	12						
F»D 1691 4SL	0.50	LAA	12						
16A»ENLITE 47.86WG	3.50	OMA	0	0	98	99	99	97	99
B VALOR 51WG	0.079	LAA	9						
C CLASSIC 25WG	0.00625	LAA	9						
D»HARMONY 50SG	0.0194	LAA	9						
E CINCH	0.955	LAA	12						
F»RNDUP POWERMAX	0.77	LAA	12						
G»D 1691 4SL	0.50	LAA	12						
17A»ENLITE 47.86WG	3.50	OMA	0	0	97	98	99	68	85
B VALOR 51WG	0.079	LAA	9						
C CLASSIC 25WG	0.00625	LAA	9						
D»HARMONY 50SG	0.0194	LAA	9						
E COBRA 2EC	0.156	LAA	12						
F CINCH	0.955	LAA	12						
G»RNDUP POWERMAX	0.77	LAA	12						
18A»BROADAXE XC 7L	1.42	LAA	9	0	98	99	99	95	99
B»RNDUP POWERMAX	1.125	LAA	12						
C CLARITY	0.50	LAA	12						
LSD (0.05)				0.0	5.0	8.4	2.2	9.1	9.2
STANDARD DEVIATION				0.0	2.5	4.1	1.1	4.5	4.5

» = SUPPLEMENTAL CHEMICAL

---,M,C,D = MISSING DATA

* TIMING CODES

00 = --- / UNTREATED TIMING
 09 = --- / PREEMERGENCE 05/20/2016(1)
 11 = --- / EPOST 06/18/2016(2)
 12 = --- / POST 06/21/2016(3)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	GLYMA	14 DAT	06/03/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	14 DAT	06/03/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	14 DAT	06/03/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ABUTH	14 DAT	06/03/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	14 DAT	06/03/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	XANST	14 DAT	06/03/2016	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	GLYMA	7 DAT	06/28/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	7 DAT	06/28/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	AMATA	7 DAT	06/28/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	ABUTH	7 DAT	06/28/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	7 DAT	06/28/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	XANST	7 DAT	06/28/2016	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	GLYMA	14 DAT	07/07/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	14 DAT	07/07/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	AMATA	14 DAT	07/07/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	ABUTH	14 DAT	07/07/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	PHBPU	14 DAT	07/07/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	XANST	14 DAT	07/07/2016	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	GLYMA	28 DAT	07/21/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	28 DAT	07/21/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	AMATA	28 DAT	07/21/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	ABUTH	28 DAT	07/21/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
023	PHBPU	28 DAT	07/21/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	XANST	28 DAT	07/21/2016	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	GLYMA	42 DAT	08/08/2016	01	P	GLXMA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
026	SETFA	42 DAT	08/08/2016	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
027	AMATA	42 DAT	08/08/2016	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
028	ABUTH	42 DAT	08/08/2016	04	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
029	PHBPU	42 DAT	08/08/2016	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: BASF Weed Control in RR2Xtend Soybean. AS-200

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECI	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
030	XANST	42 DAT	08/08/2016	06	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = 3816R2X/SR RR2XTEND