

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
PH: 6.6
%OM: 4.7
PREV.CROP: GLXMA - SOYBEAN
%RESIDUE: 0
PLOT WIDTH: 15 X 45 FEET
PLOT AREA: 675 FEET

DESIGN: RCB
REPS: 6

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	12	15	
TYPE	LIQMIX	LIQMIX	LIQMIX	
APPLICATION DATE	05/11/11	06/13/11	07/15/11	AME
AIR TEMPERATURE	84	77	82	F
% REL.HUMIDITY	63	47	48	
WIND DIRECTION	SOUTHWEST	EAST	EAST	
WIND SPEED	7.0	3.0	3.0	M/H
CLOUD COVER	CLEAR	CLEAR	CLEAR	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	SPRBAC	SPRBAC	SPRBAC	
PROPELLANT	COMCO2	COMCO2	COMCO2	
PLACEMENT	BRFOSO	BRFOSO	BRFOSO	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE NUMBER	6	6	6	
NOZZLE SPACING	20.000	20.000	20.000	IN
SCREEN SIZE				
SCREEN SZ DESC	NA	NA	NA	
SWATH WIDTH	10.0	10.0	10.0	FT
SPRAY VOLUME	20.00	20.00	20.00	
SPRAY VOLUME UNIT	GPA	GPA	GPA	
PRESSURE	40.00	32.00	32.00	PSI
DILUENT	WATER	WATER	WATER	
INC. DATE				AME
INC. START				24H
INC. END				24H
INC. DEPTH				IN
INC. EQUIPMENT	---	---	---	
	DEN/ STG/ MINMAXSZ			
*** CROP ***				
CORN, DENT		---/17	---/59	
NK72A3111		22.0/22.0	96.0/96.0	IN
05/10/2011				
*** PEST ***				
VELVETLEAF		---/18	---/00	
		2.00/8.00	/	IN
WATERHEMP, COMMO		---/19	---/00	
		2.00/8.00	/	IN
LAMBSQUARTERS, C		---/19	---/00	
		2.00/6.00	/	IN
MORNINGGLORY, TA		---/18	---/00	
		2.00/6.00	/	IN
FOXTAIL, GIANT		---/17	---/00	
		2.00/10.0	/	IN
COCKLEBUR, COMMO		---/18	---/00	
		2.00/12.0	/	IN

* TIMING CODES

09 = ----- / PREEMERGENCE
12 = ----- / POST
15 = ----- / PO.DIRECTED

* STAGE CODE

00 = DRY SEED (CARYOPSIS)
00 = DRY SEED; DORMANCY
17 = 7 LEAVES UNFOLDED
17 = 7 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

* STAGE CODE

59 = END OF TASSEL EMERGENCE: TASSEL FULLY EMERGED AND SEPARATED

TITLE: BASF Get the Most Out of Every Acre in RR/LL Corn. AS-200
CREATED: 04/08/2011 **REVISED:** 10/19/2011 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 15.00 FT WIDE X 45.00 FT LONG
PLOT AREA: 675.00 SFT

REPS: 06

TRT NUM	TREATMENT COMPONENT	DOSAGE			ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
		RATE	UNIT	TM	CON % 06/05/11	CON % 06/05/11	CON % 06/05/11	CON % 06/05/11	CON % 06/05/11	CON % 06/05/11
1A»	RNDUP POWERMAX	0.77	LAA	12	0	0	0	0	0	0
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	GUARDS MAX 5L	1.88	LAA	9	0	99	99	99	72	60
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
3A»	VERDICT 5.57L	0.783	LAA	9	0	99	99	99	99	98
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
4A»	VERDICT 5.57L	0.783	LAA	9	0	99	99	99	99	98
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
E»	HEADLINE AMP 1	0.131	LAA	15						
F»	ACTIVATOR 90	0.25	PMV	15						
5A»	VERDICT 5.57L	0.783	LAA	9	0	99	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	HEADLINE 2L	0.098	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
6A»	VERDICT 5.57L	0.783	LAA	9	0	99	99	99	99	98
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	HEADLINE 2L	0.098	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
F»	HEADLINE AMP 1	0.131	LAA	15						
G»	ACTIVATOR 90	0.25	PMV	15						
LSD (0.05)					0.00	0.198	0.00	0.00	3.32	2.72
STANDARD DEVIATION					0.00	0.096	0.00	0.00	1.61	1.32

TITLE: BASF Get the Most Out of Every Acre in RR/LL Corn. AS-200
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DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 15.00 FT WIDE X 45.00 FT LONG
PLOT AREA: 675.00 SFT

REPS: 06

TRT NUM	TREATMENT COMPONENT	DOSAGE			XANST	ZEAMD	SETFA	CHEAL	AMATA	ABUTH
		RATE	UNIT	TM	CON % 06/05/11	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11	CON % 06/23/11
1A»	RNDUP POWERMAX	0.77	LAA	12	0	8	95	83	91	92
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	GUARDS MAX 5L	1.88	LAA	9	50	0	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
3A»	VERDICT 5.57L	0.783	LAA	9	98	0	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
4A»	VERDICT 5.57L	0.783	LAA	9	98	0	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
E»	HEADLINE AMP 1	0.131	LAA	15						
F»	ACTIVATOR 90	0.25	PMV	15						
5A»	VERDICT 5.57L	0.783	LAA	9	98	0	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	HEADLINE 2L	0.098	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
6A»	VERDICT 5.57L	0.783	LAA	9	99	0	99	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	HEADLINE 2L	0.098	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
F»	HEADLINE AMP 1	0.131	LAA	15						
G»	ACTIVATOR 90	0.25	PMV	15						
LSD (0.05)					3.38	1.34	0.614	1.68	2.84	1.37
STANDARD DEVIATION					1.64	0.65	0.298	0.817	1.38	0.664

TITLE: BASF Get the Most Out of Every Acre in RR/LL Corn. AS-200
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LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 15.00 FT WIDE X 45.00 FT LONG
PLOT AREA: 675.00 SFT

REPS: 06

TRT NUM	TREATMENT COMPONENT	DOSAGE			PHBPU	XANST	ZEAMD	SETFA	CHEAL	AMATA
		RATE	UNIT	TM	CON % 06/23/11	CON % 06/23/11	CON % 07/10/11	CON % 07/10/11	CON % 07/10/11	CON % 07/10/11
1A»	RNDUP POWERMAX	0.77	LAA	12	69	91	3	97	95	97
B»	ACTIVATOR 90	0.25	PMV	12						
C»	LIQUID AMS	2.50	PMV	12						
2A»	GUARDS MAX 5L	1.88	LAA	9	84	93	0	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
3A»	VERDICT 5.57L	0.783	LAA	9	97	99	0	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
4A»	VERDICT 5.57L	0.783	LAA	9	97	99	0	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	ACTIVATOR 90	0.25	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
E»	HEADLINE AMP 1	0.131	LAA	15						
F»	ACTIVATOR 90	0.25	PMV	15						
5A»	VERDICT 5.57L	0.783	LAA	9	97	99	0	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	HEADLINE 2L	0.098	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
6A»	VERDICT 5.57L	0.783	LAA	9	97	99	0	99	99	99
B»	RNDUP POWERMAX	0.77	LAA	12						
C»	HEADLINE 2L	0.098	LAA	12						
D»	ACTIVATOR 90	0.25	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
F»	HEADLINE AMP 1	0.131	LAA	15						
G»	ACTIVATOR 90	0.25	PMV	15						
	LSD (0.05)				3.10	1.21	1.68	0.477	1.29	0.595
	STANDARD DEVIATION				1.51	0.589	0.817	0.232	0.628	0.289

TITLE: BASF Get the Most Out of Every Acre in RR/LL Corn. AS-200
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LOCATION: Urbana **RESEARCHED BY:** UNIV. OF ILL
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 15.00 FT WIDE X 45.00 FT LONG
PLOT AREA: 675.00 SFT

REPS: 06

TRT	TREATMENT	DOSAGE	ABUTH	PHBPU	XANST	YIELD
NUM	COMPONENT	RATE	CON %	CON %	CON %	BU/A
		UNIT	07/10/11	07/10/11	07/10/11	10/11/11
1A»	RNDUP POWERMAX	0.77	95	74	91	154.5
B»	ACTIVATOR 90	0.25				
C»	LIQUID AMS	2.50				
2A»	GUARDS MAX 5L	1.88	98	82	92	175.9
B»	RNDUP POWERMAX	0.77				
C»	ACTIVATOR 90	0.25				
D»	LIQUID AMS	2.50				
3A»	VERDICT 5.57L	0.783	99	98	98	179.4
B»	RNDUP POWERMAX	0.77				
C»	ACTIVATOR 90	0.25				
D»	LIQUID AMS	2.50				
4A»	VERDICT 5.57L	0.783	99	97	98	196.1
B»	RNDUP POWERMAX	0.77				
C»	ACTIVATOR 90	0.25				
D»	LIQUID AMS	2.50				
E»	HEADLINE AMP 1	0.131				
F»	ACTIVATOR 90	0.25				
5A»	VERDICT 5.57L	0.783	99	97	98	193.6
B»	RNDUP POWERMAX	0.77				
C»	HEADLINE 2L	0.098				
D»	ACTIVATOR 90	0.25				
E»	LIQUID AMS	2.50				
6A»	VERDICT 5.57L	0.783	99	98	98	196.0
B»	RNDUP POWERMAX	0.77				
C»	HEADLINE 2L	0.098				
D»	ACTIVATOR 90	0.25				
E»	LIQUID AMS	2.50				
F»	HEADLINE AMP 1	0.131				
G»	ACTIVATOR 90	0.25				
	LSD (0.05)		0.872	2.64	2.06	12.92
	STANDARD DEVIATION		0.423	1.28	1.00	6.27

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

09 = ----- / PREEMERGENCE 05/11/2011(1)
 12 = ----- / POST 06/13/2011(2)
 15 = ----- / PO.DIRECTED 07/15/2011(3)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	ZEAMD	CON %	06/05/2011	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/05/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/05/2011	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/05/2011	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/05/2011	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/05/2011	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	XANST	CON %	06/05/2011	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ZEAMD	CON %	06/23/2011	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	SETFA	CON %	06/23/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	CHEAL	CON %	06/23/2011	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	AMATA	CON %	06/23/2011	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	ABUTH	CON %	06/23/2011	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	PHBPU	CON %	06/23/2011	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	XANST	CON %	06/23/2011	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	ZEAMD	CON %	07/10/2011	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	SETFA	CON %	07/10/2011	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	CHEAL	CON %	07/10/2011	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: BASF Get the Most Out of Every Acre in RR/LL Corn. AS-200

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
018	AMATA	CON %	07/10/2011	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ABUTH	CON %	07/10/2011	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	PHBPU	CON %	07/10/2011	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	XANST	CON %	07/10/2011	07	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	YIELD	BU/A	10/11/2011	01	P	ZEAMD		RAW	---	YLD	---	---	1.00 ---	NO	0001	0	Y

* SEE INDIVIDUAL EVALUATION COMMENTS UNDER SPECIFIC TRIAL NOTES

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

01 = NK72A3111