

SOIL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.7
 PREV.CROP: GLXMA - SOYBEAN
 %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	LIQMIX	LIQMIX	
APPLICATION DATE	05/15/13	06/14/13	AME
AIR TEMPERATURE	85	72	F
% REL.HUMIDITY	41	41	
WIND DIRECTION	SOUTHWEST	NORTH	
WIND SPEED	12.0	5.0	M/H
CLOUD COVER	CLEAR	CLEAR	
DEW	NO	NO	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	
SOIL CONDITION	---	---	
METHOD	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION			
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
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	---	---	
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, CORN, DENT		---/15	
NK-74R RR/LL		15.0/15.0	IN
(PLANTED) 05/15/2013		30 DAP	
PEST *			
P, VELVETLEAF		---/14 2.00/4.00	IN
P, PIGWEED, SMOOTH		---/19 2.00/8.00	IN
P, LAMBSQUARTERS, C		---/19 2.00/4.00	IN
P, MORNINGGLORY, TA		---/18 2.00/4.00	IN
P, FOXTAIL, GIANT		---/15 2.00/8.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE

*** TIMING CODES**

12 = ----- / POST

*** STAGE CODE**

14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
18 = 8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: DuPont Herbicide Systems for Weed Control in RR/LL Corn. AS-200
CREATED: 04/12/2013 **REVISED:** 08/05/2013 **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		ZEAMD	SETFA	CHEAL	AMACH	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON % 06/12/13	CON % 06/12/13	CON % 06/12/13	CON % 06/12/13	CON % 06/12/13	CON % 06/12/13
1A»	INSTIGATE	6.00	OAA 0	0	88	99	99	99	88
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
2A»	INSTIGATE	6.00	OMA 0	0	91	99	99	99	92
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»REALM Q	4.00	OMA 0						
	F RESOLVE 25DF	0.0188	LAA 12						
	G»MESOTRIONE 50W	0.078	LAA 12						
	H»ISOXADIFEN-ETH	0.0094	LAA 12						
	I»ABUNDIT EXTRA	1.00	LAA 12						
	J»LIQUID AMS	2.50	PMV 12						
3A»	INSTIGATE	6.00	OMA 0	0	96	99	99	99	92
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
4A»	INSTIGATE	6.00	OMA 0	0	88	99	99	99	87
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
5A»	INSTIGATE	6.00	OMA 0	0	88	99	99	99	88
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D BREAKFREE ATZ	1.97	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
6A»	INSTIGATE	6.00	OMA 0	0	87	99	99	99	88
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D BREAKFREE ATZ	1.97	LAA 9						
7A»	INSTIGATE	5.25	OMA 0	0	96	99	99	99	90
	B RESOLVE 25DF	0.014	LAA 9						
	C»MESOTRIONE 50W	0.138	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
8A»	INSTIGATE	6.00	OMA 0	0	96	99	99	99	94
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»PRINCEP 4L	1.50	LAA 9						
	F»ABUNDIT EXTRA	1.00	LAA 12						
	G»LIQUID AMS	2.50	PMV 12						
9A»	PREQUEL 45WG	1.66	OMA 0	0	73	99	96	95	57
	B RESOLVE 25DF	0.016	LAA 9						
	C»ISOXAFLOTOL 7	0.031	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
10A»	REALM Q	4.00	OMA 0	0	C	C	C	C	C
	B RESOLVE 25DF	0.0188	LAA 12						
	C»MESOTRIONE 50W	0.078	LAA 12						
	D»ISOXADIFEN-ETH	0.0094	LAA 12						
	E ATRAZINE DF	1.00	LAA 12						

TITLE: DuPont Herbicide Systems for Weed Control in RR/LL Corn. AS-200

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMACH	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/12/13	06/12/13	06/12/13	06/12/13	06/12/13	06/12/13
	F»ABUNDIT EXTRA	1.00	LAA 12						
	G»LIQUID AMS	2.50	PMV 12						
11A»	LUMAX EZ 3.67S	2.75	LAA 9	0	98	99	99	99	96
	B»TOUCHDN TOTAL	0.78	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
12A»	VERDICT 5.57L	0.78	LAA 9	0	98	99	99	99	98
	B»RNDUP POWERMAX	0.77	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
13A»	GF-3151 5.6SC	3.06	LAA 9	0	99	99	99	96	88
	B»HORNET 68.5WG	0.171	LAA 9						
	C»DURANGO 4AE	0.77	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
14A	CHECK	0.00	NA 0	0	0	0	0	0	0
15A»	CORVUS 2.6SC	0.114	LAA 9	0	96	99	99	99	88
	B ATRAZINE DF	1.00	LAA 9						
	C»RNDUP POWERMAX	1.05	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
16A»	TRIPLEFLEX 4.1	1.56	LAA 9	0	99	99	99	91	73
	B»RNDUP POWERMAX	1.05	LAA 12						
	C IMPACT 2.8SC	0.016	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	1.00	PMV 12						
	F»LIQUID AMS	2.50	PMV 12						
		LSD (0.05)		0.00	4.12	0.00	1.27	2.46	4.81
		STANDARD DEVIATION		0.00	2.00	0.00	0.624	1.20	2.36

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CREATED: 04/12/2013 **REVISED:** 08/05/2013 **COMPLETED:** N
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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		ZEAMD	SETFA	CHEAL	AMACH	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON % 06/27/13	CON % 06/27/13	CON % 06/27/13	CON % 06/27/13	CON % 06/27/13	CON % 06/27/13
1A»	INSTIGATE	6.00	OAA 0	0	96	99	99	99	94
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
2A»	INSTIGATE	6.00	OMA 0	0	98	99	99	99	97
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»REALM Q	4.00	OMA 0						
	F RESOLVE 25DF	0.0188	LAA 12						
	G»MESOTRIONE 50W	0.078	LAA 12						
	H»ISOXADIFEN-ETH	0.0094	LAA 12						
	I»ABUNDIT EXTRA	1.00	LAA 12						
	J»LIQUID AMS	2.50	PMV 12						
3A»	INSTIGATE	6.00	OMA 0	0	99	99	99	99	96
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
4A»	INSTIGATE	6.00	OMA 0	0	83	99	99	96	78
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
5A»	INSTIGATE	6.00	OMA 0	0	99	99	99	99	95
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D BREAKFREE ATZ	1.97	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
6A»	INSTIGATE	6.00	OMA 0	0	89	99	99	99	88
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D BREAKFREE ATZ	1.97	LAA 9						
7A»	INSTIGATE	5.25	OMA 0	0	99	99	99	99	93
	B RESOLVE 25DF	0.014	LAA 9						
	C»MESOTRIONE 50W	0.138	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
8A»	INSTIGATE	6.00	OMA 0	0	95	99	99	99	95
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»PRINCEP 4L	1.50	LAA 9						
	F»ABUNDIT EXTRA	1.00	LAA 12						
	G»LIQUID AMS	2.50	PMV 12						
9A»	PREQUEL 45WG	1.66	OMA 0	0	99	99	99	99	96
	B RESOLVE 25DF	0.016	LAA 9						
	C»ISOXAFLOTOL 7	0.031	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
10A»	REALM Q	4.00	OMA 0	0	96	99	99	99	96
	B RESOLVE 25DF	0.0188	LAA 12						
	C»MESOTRIONE 50W	0.078	LAA 12						
	D»ISOXADIFEN-ETH	0.0094	LAA 12						
	E ATRAZINE DF	1.00	LAA 12						

TITLE: DuPont Herbicide Systems for Weed Control in RR/LL Corn. AS-200

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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		ZEAMD	SETFA	CHEAL	AMACH	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON % 07/12/13	CON % 07/12/13	CON % 07/12/13	CON % 07/12/13	CON % 07/12/13	CON % 07/12/13
1A»	INSTIGATE	6.00	OAA 0	0	96	99	99	99	88
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
2A»	INSTIGATE	6.00	OMA 0	0	96	99	99	99	87
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»REALM Q	4.00	OMA 0						
	F RESOLVE 25DF	0.0188	LAA 12						
	G»MESOTRIONE 50W	0.078	LAA 12						
	H»ISOXADIFEN-ETH	0.0094	LAA 12						
	I»ABUNDIT EXTRA	1.00	LAA 12						
	J»LIQUID AMS	2.50	PMV 12						
3A»	INSTIGATE	6.00	OMA 0	0	99	99	99	99	90
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
4A»	INSTIGATE	6.00	OMA 0	0	81	99	99	97	73
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
5A»	INSTIGATE	6.00	OMA 0	0	99	99	99	99	82
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D BREAKFREE ATZ	1.97	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
6A»	INSTIGATE	6.00	OMA 0	0	85	99	99	99	78
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D BREAKFREE ATZ	1.97	LAA 9						
7A»	INSTIGATE	5.25	OMA 0	0	99	99	99	99	90
	B RESOLVE 25DF	0.014	LAA 9						
	C»MESOTRIONE 50W	0.138	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
8A»	INSTIGATE	6.00	OMA 0	0	91	99	99	99	93
	B RESOLVE 25DF	0.016	LAA 9						
	C»MESOTRIONE 50W	0.156	LAA 9						
	D ATRAZINE DF	1.00	LAA 9						
	E»PRINCEP 4L	1.50	LAA 9						
	F»ABUNDIT EXTRA	1.00	LAA 12						
	G»LIQUID AMS	2.50	PMV 12						
9A»	PREQUEL 45WG	1.66	OMA 0	0	93	99	99	99	91
	B RESOLVE 25DF	0.016	LAA 9						
	C»ISOXAFLOTOL 7	0.031	LAA 9						
	D CINCH ATZ	2.06	LAA 9						
	E»ABUNDIT EXTRA	1.00	LAA 12						
	F»LIQUID AMS	2.50	PMV 12						
10A»	REALM Q	4.00	OMA 0	0	88	94	96	99	91
	B RESOLVE 25DF	0.0188	LAA 12						
	C»MESOTRIONE 50W	0.078	LAA 12						
	D»ISOXADIFEN-ETH	0.0094	LAA 12						
	E ATRAZINE DF	1.00	LAA 12						

TITLE: DuPont Herbicide Systems for Weed Control in RR/LL Corn. AS-200

TRT TREATMENT NUM COMPONENT	DOSAGE RATE UNIT	TM	ZEAMD CON % 07/12/13	SETFA CON % 07/12/13	CHEAL CON % 07/12/13	AMACH CON % 07/12/13	ABUTH CON % 07/12/13	PHBPU CON % 07/12/13
F»ABUNDIT EXTRA	1.00	LAA 12						
G»LIQUID AMS	2.50	PMV 12						
11A»LUMAX EZ 3.67S	2.75	LAA 9	0	99	99	99	99	92
B»TOUCHDN TOTAL	0.78	LAA 12						
C»LIQUID AMS	2.50	PMV 12						
12A»VERDICT 5.57L	0.78	LAA 9	0	99	99	99	99	96
B»RNDUP POWERMAX	0.77	LAA 12						
C»LIQUID AMS	2.50	PMV 12						
13A»GF-3151 5.6SC	3.06	LAA 9	0	99	99	99	98	89
B»HORNET 68.5WG	0.171	LAA 9						
C»DURANGO 4AE	0.77	LAA 12						
D»LIQUID AMS	2.50	PMV 12						
14A CHECK	0.00	NA 0	0	0	0	0	0	0
15A»CORVUS 2.6SC	0.114	LAA 9	0	96	99	99	99	90
B ATRAZINE DF	1.00	LAA 9						
C»RNDUP POWERMAX	1.05	LAA 12						
D»LIQUID AMS	2.50	PMV 12						
16A»TRIPLEFLEX 4.1	1.56	LAA 9	0	99	99	99	99	89
B»RNDUP POWERMAX	1.05	LAA 12						
C IMPACT 2.8SC	0.016	LAA 12						
D ATRAZINE DF	0.50	LAA 12						
E»MSO	1.00	PMV 12						
F»LIQUID AMS	2.50	PMV 12						
LSD (0.05)			0.00	5.54	3.37	2.17	1.48	7.45
STANDARD DEVIATION			0.00	2.71	1.65	1.06	0.725	3.65

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = ----- / UNTREATED TIMING

09 = ----- / PREEMERGENCE 05/15/2013(1)

12 = ----- / POST 06/14/2013(2)

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 %	06/12/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/12/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/12/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMACH	CON %	06/12/2013	04	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/12/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/12/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/27/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/27/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/27/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMACH	CON %	06/27/2013	04	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/27/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/27/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	07/12/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	07/12/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	07/12/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMACH	CON %	07/12/2013	04	P	AMACH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	07/12/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	07/12/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

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

01 = NK-74R RR/LL