

SOIL INFORMATION

TRIAL 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

DESIGN: RCB
 REPS: 3

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQMI	LIQMI	LIQMI	
APPLICATION DATE	05/15/13	06/04/13	06/09/13	AME
AIR TEMPERATURE	85	71	74	F
% REL.HUMIDITY	41	40	65	
WIND DIRECTION	SOUTHWEST	EAST	NORTHEAST	
WIND SPEED	12.0	7.0	5.0	M/H
CLOUD COVER	CLEAR	CLEAR	---	
DEW	NO	NO	NO	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	MOIST/MOI	
SOIL CONDITION	---	---	---	
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
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
SPRAY VOLUME	20.00	20.00	20.00	
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	---	---	---	
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, CORN, DENT		---/13	---/15	
NK-74R RR/LL		7.00/7.00	14.0/14.0	IN
(PLANTED) 05/15/2013		20 DAP	25 DAP	
PEST *				
P, VELVETLEAF		---/11 0.50/0.50	---/14 2.00/4.00	IN
P, WATERHEMP, COMMO		---/15 0.50/0.50	---/19 2.00/4.00	IN
P, LAMBSQUARTERS, C		---/17 0.50/1.00	---/19 2.00/4.00	IN
P, MORNINGGLORY, TA		---/11 1.00/1.00	---/16 2.00/4.00	IN
P, FOXTAIL, GIANT		---/13 1.00/2.00	---/15 2.00/4.00	IN

* TIMING CODES

09 = ----- / PREEMERGENCE

*** TIMING CODES**

11 = ----- / EPOST
12 = ----- / POST

*** STAGE CODE**

11 = 1ST TRUE LEAF/LEAF PAIR/WHORL UNFOLDED
13 = 3 LEAVES UNFOLDED
13 = 3 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200
CREATED: 04/10/2013 **REVISED:** 08/09/2013 **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	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/03/13	06/03/13	06/03/13	06/03/13	06/03/13	06/03/13
1A»	GF-3151 5.6SC	3.64	LAA 9	0	99	99	99	91	83
	B»HORNET 68.5WG	0.031	LAA 9						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
2A»	SURESTART 4.16	1.04	LAA 9	0	99	99	99	85	78
	B ATRAZINE DF	1.00	LAA 9						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
3A»	SURESTART 4.16	1.04	LAA 9	0	97	99	99	79	70
	B»DURANGO 4AE	0.75	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
4A»	SURESTART 4.16	1.30	LAA 9	0	98	99	99	83	73
	B»DURANGO 4AE	0.75	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
5A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	79	75
	B IMPACT 2.8SC	0.022	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»MSO	1.00	PMV 12						
	E 28% UAN	2.50	PMV 12						
6A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	83	72
	B IMPACT 2.8SC	0.016	LAA 12						
	C»STATUS 56DG	0.088	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	1.00	PMV 12						
	F 28% UAN	2.50	PMV 12						
7A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	86	79
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
8A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	83	72
	B»RNDUP POWERMAX	1.125	LAA 12						
	C IMPACT 2.8SC	0.016	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	0.50	PMV 12						
	F 28% UAN	2.50	PMV 12						
9A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	81	77
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LAUDIS 3.5SC	0.082	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	0.50	PMV 12						
	F 28% UAN	2.50	PMV 12						
10A	BICEP II MAG	1.79	LAA 9	0	98	99	99	72	72
	B»CALLISTO XTRA	0.69	LAA 12						
	C»TOUCHDN TOTAL	0.78	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
11A»	SURESTART 4.16	1.04	LAA 9	0	98	99	99	73	77
	B»SURESTART 4.16	0.76	LAA 12						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
12A	HARNESS XTRA	1.40	LAA 9	0	99	99	99	78	70
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»WARRANT 3L	1.125	LAA 12						
	D 28% UAN	2.50	PMV 12						
13A»	SURESTART 4.16	1.04	LAA 11	0	C	C	C	C	C
	B»DURANGO 4AE	0.75	LAA 11						
	C»LIQUID AMS	2.50	PMV 11						

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200

TRT	TREATMENT	DOSAGE	ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					06/03/13	06/03/13	06/03/13	06/03/13
14A	HARNESX XTRA	2.24	LAA	11	0	C	C	C
	B IMPACT 2.8SC	0.022	LAA	11				
	C»MSO	0.50	PMV	11				
	D 28% UAN	2.50	PMV	11				
15A»	WARRANT 3L	1.125	LAA	11	0	C	C	C
	B»RNDUP POWERMAX	1.125	LAA	11				
	C IMPACT 2.8SC	0.016	LAA	11				
	D ATRAZINE DF	1.00	LAA	11				
	E»MSO	0.50	PMV	11				
	F»LIQUID AMS	2.50	PMV	11				
16A»	LUMAX EZ 3.67S	1.38	LAA	9	0	98	99	99
	B»HALEX GT 4.38L	1.97	LAA	11				
	C ATRAZINE DF	0.50	LAA	11				
	D»ACTIVATOR 90	0.25	PMV	11				
	E»LIQUID AMS	2.50	PMV	11				
17A»	HALEX GT 4.38L	1.97	LAA	11	0	C	C	C
	B ATRAZINE DF	1.00	LAA	11				
	C»ACTIVATOR 90	0.25	PMV	11				
	D»LIQUID AMS	2.50	PMV	11				
18A	CHECK	0.00	NA	0	0	0	0	0
19A»	CAPRENO 3.45 S	0.081	LAA	11	0	C	C	C
	B ATRAZINE DF	0.50	LAA	11				
	C»RNDUP POWERMAX	0.77	LAA	11				
	D»LIQUID AMS	2.50	PMV	11				
20A	GUARDSMAN MAX	2.50	LAA	11	0	C	C	C
	B»ARMEZON 2.8SC	0.016	LAA	11				
	C»RNDUP POWERMAX	0.77	LAA	11				
	D»MSO	1.00	PMV	11				
	E»LIQUID AMS	2.50	PMV	11				
LSD (0.05)					0.00	1.00	0.00	0.00
STANDARD DEVIATION					0.00	0.514	0.00	0.00
							5.00	5.89
							2.45	2.92

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200
CREATED: 04/10/2013 **REVISED:** 08/09/2013 **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	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON % 06/17/13	CON % 06/17/13	CON % 06/17/13	CON % 06/17/13	CON % 06/17/13	CON % 06/17/13
1A»	GF-3151 5.6SC	3.64	LAA 9	0	98	99	99	99	95
	B»HORNET 68.5WG	0.031	LAA 9						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
2A»	SURESTART 4.16	1.04	LAA 9	0	98	99	99	99	97
	B ATRAZINE DF	1.00	LAA 9						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
3A»	SURESTART 4.16	1.04	LAA 9	0	99	99	99	99	87
	B»DURANGO 4AE	0.75	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
4A»	SURESTART 4.16	1.30	LAA 9	0	99	99	99	99	91
	B»DURANGO 4AE	0.75	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
5A	HARNESS XTRA	2.24	LAA 9	14	99	99	99	99	99
	B IMPACT 2.8SC	0.022	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»MSO	1.00	PMV 12						
	E 28% UAN	2.50	PMV 12						
6A	HARNESS XTRA	2.24	LAA 9	12	99	99	99	99	99
	B IMPACT 2.8SC	0.016	LAA 12						
	C»STATUS 56DG	0.088	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	1.00	PMV 12						
	F 28% UAN	2.50	PMV 12						
7A	HARNESS XTRA	2.24	LAA 9	0	98	99	99	99	96
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
8A	HARNESS XTRA	2.24	LAA 9	12	99	99	99	99	98
	B»RNDUP POWERMAX	1.125	LAA 12						
	C IMPACT 2.8SC	0.016	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	0.50	PMV 12						
	F 28% UAN	2.50	PMV 12						
9A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	99	99
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LAUDIS 3.5SC	0.082	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	0.50	PMV 12						
	F 28% UAN	2.50	PMV 12						
10A	BICEP II MAG	1.79	LAA 9	0	99	99	99	99	99
	B»CALLISTO XTRA	0.69	LAA 12						
	C»TOUCHDN TOTAL	0.78	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
11A»	SURESTART 4.16	1.04	LAA 9	0	99	99	99	99	85
	B»SURESTART 4.16	0.76	LAA 12						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
12A	HARNESS XTRA	1.40	LAA 9	0	99	99	99	99	89
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»WARRANT 3L	1.125	LAA 12						
	D 28% UAN	2.50	PMV 12						
13A»	SURESTART 4.16	1.04	LAA 11	0	96	99	99	99	90
	B»DURANGO 4AE	0.75	LAA 11						
	C»LIQUID AMS	2.50	PMV 11						

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/17/13	06/17/13	06/17/13	06/17/13	06/17/13	06/17/13
14A	HARNESX XTRA	2.24	LAA 11	3	97	99	99	99	97
	B IMPACT 2.8SC	0.022	LAA 11						
	C»MSO	0.50	PMV 11						
	D 28% UAN	2.50	PMV 11						
15A»	WARRANT 3L	1.125	LAA 11	1	98	99	99	99	98
	B»RNDUP POWERMAX	1.125	LAA 11						
	C IMPACT 2.8SC	0.016	LAA 11						
	D ATRAZINE DF	1.00	LAA 11						
	E»MSO	0.50	PMV 11						
	F»LIQUID AMS	2.50	PMV 11						
16A»	LUMAX EZ 3.67S	1.38	LAA 9	0	97	99	99	99	98
	B»HALEX GT 4.38L	1.97	LAA 11						
	C ATRAZINE DF	0.50	LAA 11						
	D»ACTIVATOR 90	0.25	PMV 11						
	E»LIQUID AMS	2.50	PMV 11						
17A»	HALEX GT 4.38L	1.97	LAA 11	0	97	99	99	99	98
	B ATRAZINE DF	1.00	LAA 11						
	C»ACTIVATOR 90	0.25	PMV 11						
	D»LIQUID AMS	2.50	PMV 11						
18A	CHECK	0.00	NA 0	0	0	0	0	0	0
19A»	CAPRENO 3.45 S	0.081	LAA 11	1	90	99	99	98	97
	B ATRAZINE DF	0.50	LAA 11						
	C»RNDUP POWERMAX	0.77	LAA 11						
	D»LIQUID AMS	2.50	PMV 11						
20A	GUARDSMAN MAX	2.50	LAA 11	2	98	99	99	99	99
	B»ARMEZON 2.8SC	0.016	LAA 11						
	C»RNDUP POWERMAX	0.77	LAA 11						
	D»MSO	1.00	PMV 11						
	E»LIQUID AMS	2.50	PMV 11						
LSD (0.05)				2.84	2.49	0.00	0.00	0.426	2.91
STANDARD DEVIATION				1.40	1.23	0.00	0.00	0.211	1.44

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200
CREATED: 04/10/2013 **REVISED:** 08/09/2013 **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	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/25/13	06/25/13	06/25/13	06/25/13	06/25/13	06/25/13
1A»	GF-3151 5.6SC	3.64	LAA 9	0	99	99	99	99	96
	B»HORNET 68.5WG	0.031	LAA 9						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
2A»	SURESTART 4.16	1.04	LAA 9	0	98	99	99	99	96
	B ATRAZINE DF	1.00	LAA 9						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
3A»	SURESTART 4.16	1.04	LAA 9	0	98	99	99	96	86
	B»DURANGO 4AE	0.75	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
4A»	SURESTART 4.16	1.30	LAA 9	0	98	99	99	97	90
	B»DURANGO 4AE	0.75	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
5A	HARNESS XTRA	2.24	LAA 9	3	99	99	99	99	96
	B IMPACT 2.8SC	0.022	LAA 12						
	C ATRAZINE DF	0.50	LAA 12						
	D»MSO	1.00	PMV 12						
	E 28% UAN	2.50	PMV 12						
6A	HARNESS XTRA	2.24	LAA 9	1	99	99	99	99	97
	B IMPACT 2.8SC	0.016	LAA 12						
	C»STATUS 56DG	0.088	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	1.00	PMV 12						
	F 28% UAN	2.50	PMV 12						
7A	HARNESS XTRA	2.24	LAA 9	0	98	99	99	93	93
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LIQUID AMS	2.50	PMV 12						
8A	HARNESS XTRA	2.24	LAA 9	3	99	99	99	99	96
	B»RNDUP POWERMAX	1.125	LAA 12						
	C IMPACT 2.8SC	0.016	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	0.50	PMV 12						
	F 28% UAN	2.50	PMV 12						
9A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	99	97
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»LAUDIS 3.5SC	0.082	LAA 12						
	D ATRAZINE DF	0.50	LAA 12						
	E»MSO	0.50	PMV 12						
	F 28% UAN	2.50	PMV 12						
10A	BICEP II MAG	1.79	LAA 9	0	98	99	99	99	98
	B»CALLISTO XTRA	0.69	LAA 12						
	C»TOUCHDN TOTAL	0.78	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
11A»	SURESTART 4.16	1.04	LAA 9	0	99	99	99	99	91
	B»SURESTART 4.16	0.76	LAA 12						
	C»DURANGO 4AE	0.75	LAA 12						
	D»LIQUID AMS	2.50	PMV 12						
12A	HARNESS XTRA	1.40	LAA 9	0	99	99	99	98	91
	B»RNDUP POWERMAX	1.125	LAA 12						
	C»WARRANT 3L	1.125	LAA 12						
	D 28% UAN	2.50	PMV 12						
13A»	SURESTART 4.16	1.04	LAA 11	0	96	99	99	96	92
	B»DURANGO 4AE	0.75	LAA 11						
	C»LIQUID AMS	2.50	PMV 11						

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				06/25/13	06/25/13	06/25/13	06/25/13	06/25/13	06/25/13
14A	HARNES XTRA	2.24	LAA 11	0	96	99	99	99	94
	B IMPACT 2.8SC	0.022	LAA 11						
	C»MSO	0.50	PMV 11						
	D 28% UAN	2.50	PMV 11						
15A»	WARRANT 3L	1.125	LAA 11	0	98	99	99	99	95
	B»RNDUP POWERMAX	1.125	LAA 11						
	C IMPACT 2.8SC	0.016	LAA 11						
	D ATRAZINE DF	1.00	LAA 11						
	E»MSO	0.50	PMV 11						
	F»LIQUID AMS	2.50	PMV 11						
16A»	LUMAX EZ 3.67S	1.38	LAA 9	0	98	99	99	99	97
	B»HALEX GT 4.38L	1.97	LAA 11						
	C ATRAZINE DF	0.50	LAA 11						
	D»ACTIVATOR 90	0.25	PMV 11						
	E»LIQUID AMS	2.50	PMV 11						
17A»	HALEX GT 4.38L	1.97	LAA 11	0	97	99	99	99	96
	B ATRAZINE DF	1.00	LAA 11						
	C»ACTIVATOR 90	0.25	PMV 11						
	D»LIQUID AMS	2.50	PMV 11						
18A	CHECK	0.00	NA 0	0	0	0	0	0	0
19A»	CAPRENO 3.45 S	0.081	LAA 11	0	89	99	99	99	89
	B ATRAZINE DF	0.50	LAA 11						
	C»RNDUP POWERMAX	0.77	LAA 11						
	D»LIQUID AMS	2.50	PMV 11						
20A	GUARDSMAN MAX	2.50	LAA 11	1	98	99	99	99	97
	B»ARMEZON 2.8SC	0.016	LAA 11						
	C»RNDUP POWERMAX	0.77	LAA 11						
	D»MSO	1.00	PMV 11						
	E»LIQUID AMS	2.50	PMV 11						
LSD (0.05)				1.16	2.00	0.00	0.00	1.26	4.05
STANDARD DEVIATION				0.576	1.00	0.00	0.00	0.625	2.00

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200
CREATED: 04/10/2013 **REVISED:** 08/09/2013 **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	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				07/12/13	07/12/13	07/12/13	07/12/13	07/12/13	07/12/13
1A»	GF-3151 5.6SC	3.64	LAA 9	0	99	99	99	93	87
B»	HORNET 68.5WG	0.031	LAA 9						
C»	DURANGO 4AE	0.75	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
2A»	SURESTART 4.16	1.04	LAA 9	0	98	99	99	99	86
B	ATRAZINE DF	1.00	LAA 9						
C»	DURANGO 4AE	0.75	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
3A»	SURESTART 4.16	1.04	LAA 9	0	99	99	99	84	75
B»	DURANGO 4AE	0.75	LAA 12						
C»	LIQUID AMS	2.50	PMV 12						
4A»	SURESTART 4.16	1.30	LAA 9	0	99	99	99	88	83
B»	DURANGO 4AE	0.75	LAA 12						
C»	LIQUID AMS	2.50	PMV 12						
5A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	99	88
B	IMPACT 2.8SC	0.022	LAA 12						
C	ATRAZINE DF	0.50	LAA 12						
D»	MSO	1.00	PMV 12						
E	28% UAN	2.50	PMV 12						
6A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	99	89
B	IMPACT 2.8SC	0.016	LAA 12						
C»	STATUS 56DG	0.088	LAA 12						
D	ATRAZINE DF	0.50	LAA 12						
E»	MSO	1.00	PMV 12						
F	28% UAN	2.50	PMV 12						
7A	HARNESS XTRA	2.24	LAA 9	0	97	99	99	86	88
B»	RNDUP POWERMAX	1.125	LAA 12						
C»	LIQUID AMS	2.50	PMV 12						
8A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	99	86
B»	RNDUP POWERMAX	1.125	LAA 12						
C	IMPACT 2.8SC	0.016	LAA 12						
D	ATRAZINE DF	0.50	LAA 12						
E»	MSO	0.50	PMV 12						
F	28% UAN	2.50	PMV 12						
9A	HARNESS XTRA	2.24	LAA 9	0	99	99	99	99	89
B»	RNDUP POWERMAX	1.125	LAA 12						
C»	LAUDIS 3.5SC	0.082	LAA 12						
D	ATRAZINE DF	0.50	LAA 12						
E»	MSO	0.50	PMV 12						
F	28% UAN	2.50	PMV 12						
10A	BICEP II MAG	1.79	LAA 9	0	98	99	99	99	93
B»	CALLISTO XTRA	0.69	LAA 12						
C»	TOUCHDN TOTAL	0.78	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
11A»	SURESTART 4.16	1.04	LAA 9	0	99	99	99	99	83
B»	SURESTART 4.16	0.76	LAA 12						
C»	DURANGO 4AE	0.75	LAA 12						
D»	LIQUID AMS	2.50	PMV 12						
12A	HARNESS XTRA	1.40	LAA 9	0	97	99	99	86	75
B»	RNDUP POWERMAX	1.125	LAA 12						
C»	WARRANT 3L	1.125	LAA 12						
D	28% UAN	2.50	PMV 12						
13A»	SURESTART 4.16	1.04	LAA 11	0	95	99	99	85	77
B»	DURANGO 4AE	0.75	LAA 11						
C»	LIQUID AMS	2.50	PMV 11						

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT TM	CON %	CON %	CON %	CON %	CON %	CON %
				07/12/13	07/12/13	07/12/13	07/12/13	07/12/13	07/12/13
14A	HARNESX XTRA	2.24	LAA 11	0	95	99	99	99	88
	B IMPACT 2.8SC	0.022	LAA 11						
	C»MSO	0.50	PMV 11						
	D 28% UAN	2.50	PMV 11						
15A»	WARRANT 3L	1.125	LAA 11	0	97	99	99	99	92
	B»RNDUP POWERMAX	1.125	LAA 11						
	C IMPACT 2.8SC	0.016	LAA 11						
	D ATRAZINE DF	1.00	LAA 11						
	E»MSO	0.50	PMV 11						
	F»LIQUID AMS	2.50	PMV 11						
16A»	LUMAX EZ 3.67S	1.38	LAA 9	0	97	99	99	99	94
	B»HALEX GT 4.38L	1.97	LAA 11						
	C ATRAZINE DF	0.50	LAA 11						
	D»ACTIVATOR 90	0.25	PMV 11						
	E»LIQUID AMS	2.50	PMV 11						
17A»	HALEX GT 4.38L	1.97	LAA 11	0	97	99	99	99	94
	B ATRAZINE DF	1.00	LAA 11						
	C»ACTIVATOR 90	0.25	PMV 11						
	D»LIQUID AMS	2.50	PMV 11						
18A	CHECK	0.00	NA 0	0	0	0	0	0	0
19A»	CAPRENO 3.45 S	0.081	LAA 11	0	85	99	99	99	83
	B ATRAZINE DF	0.50	LAA 11						
	C»RNDUP POWERMAX	0.77	LAA 11						
	D»LIQUID AMS	2.50	PMV 11						
20A	GUARDSMAN MAX	2.50	LAA 11	0	99	99	99	99	96
	B»ARMEZON 2.8SC	0.016	LAA 11						
	C»RNDUP POWERMAX	0.77	LAA 11						
	D»MSO	1.00	PMV 11						
	E»LIQUID AMS	2.50	PMV 11						
LSD (0.05)				0.00	3.00	0.00	0.00	3.92	5.61
STANDARD DEVIATION				0.00	1.50	0.00	0.00	1.94	2.78

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200
CREATED: 04/10/2013 **REVISED:** 08/09/2013 **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	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %
					08/12/13	08/12/13	08/12/13	08/12/13
1A»	GF-3151 5.6SC	3.64	LAA	9	0	99	99	99
B»	HORNET 68.5WG	0.031	LAA	9				91
C»	DURANGO 4AE	0.75	LAA	12				80
D»	LIQUID AMS	2.50	PMV	12				
2A»	SURESTART 4.16	1.04	LAA	9	0	98	99	99
B	ATRAZINE DF	1.00	LAA	9				85
C»	DURANGO 4AE	0.75	LAA	12				
D»	LIQUID AMS	2.50	PMV	12				
3A»	SURESTART 4.16	1.04	LAA	9	0	97	99	99
B»	DURANGO 4AE	0.75	LAA	12				77
C»	LIQUID AMS	2.50	PMV	12				65
4A»	SURESTART 4.16	1.30	LAA	9	0	99	99	99
B»	DURANGO 4AE	0.75	LAA	12				84
C»	LIQUID AMS	2.50	PMV	12				75
5A	HARNESS XTRA	2.24	LAA	9	0	99	99	99
B	IMPACT 2.8SC	0.022	LAA	12				99
C	ATRAZINE DF	0.50	LAA	12				84
D»	MSO	1.00	PMV	12				
E	28% UAN	2.50	PMV	12				
6A	HARNESS XTRA	2.24	LAA	9	0	99	99	99
B	IMPACT 2.8SC	0.016	LAA	12				99
C»	STATUS 56DG	0.088	LAA	12				87
D	ATRAZINE DF	0.50	LAA	12				
E»	MSO	1.00	PMV	12				
F	28% UAN	2.50	PMV	12				
7A	HARNESS XTRA	2.24	LAA	9	0	96	99	99
B»	RNDUP POWERMAX	1.125	LAA	12				80
C»	LIQUID AMS	2.50	PMV	12				80
8A	HARNESS XTRA	2.24	LAA	9	0	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	12				99
C	IMPACT 2.8SC	0.016	LAA	12				82
D	ATRAZINE DF	0.50	LAA	12				
E»	MSO	0.50	PMV	12				
F	28% UAN	2.50	PMV	12				
9A	HARNESS XTRA	2.24	LAA	9	0	99	99	99
B»	RNDUP POWERMAX	1.125	LAA	12				99
C»	LAUDIS 3.5SC	0.082	LAA	12				84
D	ATRAZINE DF	0.50	LAA	12				
E»	MSO	0.50	PMV	12				
F	28% UAN	2.50	PMV	12				
10A	BICEP II MAG	1.79	LAA	9	0	98	99	99
B»	CALLISTO XTRA	0.69	LAA	12				99
C»	TOUCHDN TOTAL	0.78	LAA	12				89
D»	LIQUID AMS	2.50	PMV	12				
11A»	SURESTART 4.16	1.04	LAA	9	0	99	99	99
B»	SURESTART 4.16	0.76	LAA	12				78
C»	DURANGO 4AE	0.75	LAA	12				
D»	LIQUID AMS	2.50	PMV	12				
12A	HARNESS XTRA	1.40	LAA	9	0	94	99	99
B»	RNDUP POWERMAX	1.125	LAA	12				77
C»	WARRANT 3L	1.125	LAA	12				68
D	28% UAN	2.50	PMV	12				
13A»	SURESTART 4.16	1.04	LAA	11	0	92	99	99
B»	DURANGO 4AE	0.75	LAA	11				78
C»	LIQUID AMS	2.50	PMV	11				70

TITLE: Dow \ Herbicide Comparisons for Weed Control in RR/LL Corn. AS-200

TRT	TREATMENT	DOSAGE		ZEAMD	SETFA	CHEAL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	TM	CON %	CON %	CON %	CON %	CON %
					08/12/13	08/12/13	08/12/13	08/12/13	08/12/13
14A	HARNESS XTRA	2.24	LAA	11	0	91	99	99	84
	B IMPACT 2.8SC	0.022	LAA	11					
	C»MSO	0.50	PMV	11					
	D 28% UAN	2.50	PMV	11					
15A»	WARRANT 3L	1.125	LAA	11	0	95	99	99	84
	B»RNDUP POWERMAX	1.125	LAA	11					
	C IMPACT 2.8SC	0.016	LAA	11					
	D ATRAZINE DF	1.00	LAA	11					
	E»MSO	0.50	PMV	11					
	F»LIQUID AMS	2.50	PMV	11					
16A»	LUMAX EZ 3.67S	1.38	LAA	9	0	95	99	99	90
	B»HALEX GT 4.38L	1.97	LAA	11					
	C ATRAZINE DF	0.50	LAA	11					
	D»ACTIVATOR 90	0.25	PMV	11					
	E»LIQUID AMS	2.50	PMV	11					
17A»	HALEX GT 4.38L	1.97	LAA	11	0	96	99	99	90
	B ATRAZINE DF	1.00	LAA	11					
	C»ACTIVATOR 90	0.25	PMV	11					
	D»LIQUID AMS	2.50	PMV	11					
18A	CHECK	0.00	NA	0	0	0	0	0	0
19A»	CAPRENO 3.45 S	0.081	LAA	11	0	75	99	99	73
	B ATRAZINE DF	0.50	LAA	11					
	C»RNDUP POWERMAX	0.77	LAA	11					
	D»LIQUID AMS	2.50	PMV	11					
20A	GUARDSMAN MAX	2.50	LAA	11	0	99	99	99	91
	B»ARMEZON 2.8SC	0.016	LAA	11					
	C»RNDUP POWERMAX	0.77	LAA	11					
	D»MSO	1.00	PMV	11					
	E»LIQUID AMS	2.50	PMV	11					
LSD (0.05)					0.00	4.82	0.00	0.00	4.07
STANDARD DEVIATION					0.00	2.39	0.00	0.00	2.00

» = SUPPLEMENTAL CHEMICAL

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

* TIMING CODES

00 = ----- / UNTREATED TIMING
 09 = ----- / PREEMERGENCE 05/15/2013(1)
 11 = ----- / EPOST 06/04/2013(2)
 12 = ----- / POST 06/09/2013(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 %	06/03/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	06/03/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	06/03/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/03/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/03/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/03/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	ZEAMD	CON %	06/17/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	SETFA	CON %	06/17/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	CHEAL	CON %	06/17/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/17/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/17/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/17/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	ZEAMD	CON %	06/25/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
014	SETFA	CON %	06/25/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	CHEAL	CON %	06/25/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
016	AMATA	CON %	06/25/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/25/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/25/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
019	ZEAMD	CON %	07/12/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
020	SETFA	CON %	07/12/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
021	CHEAL	CON %	07/12/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
022	AMATA	CON %	07/12/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: Dow \ Herbicide Comparisons for Weed Control 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	CTRT	SS	NOTE
023	ABUTH	CON %	07/12/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
024	PHBPU	CON %	07/12/2013	06	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
025	ZEAMD	CON %	08/12/2013	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
026	SETFA	CON %	08/12/2013	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
027	CHEAL	CON %	08/12/2013	03	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
028	AMATA	CON %	08/12/2013	04	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
029	ABUTH	CON %	08/12/2013	05	P	ABUTH		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
030	PHBPU	CON %	08/12/2013	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