APPLICATIONS

SOIL INFORMATION

TEXTURE: SIL
PH: 5.8
%OM: 3.2
PREV.CROP: GLXMA - Soybean
%RESIDUE: 0
PLOT WIDTH: 7.5 X 30 FEET
PLOT AREA: 225 FEET

TRIAL INFORMATION

DESIGN: RCB
REPS: 4

APPL. NUMBER	01	02	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	04/29/18	05/24/18	05/29/18	AME
TIME - BEGIN	10:55	14:35	15:35	24H
TIME - END	11:01	14:45	15:48	24H
AIR TEMPERATURE	53	88	90	F
% REL.HUMIDITY	19	24	44	
WIND DIRECTION	EAST	NORTHEAST	EAST	
WIND SPEED	7.0	4.0	4.0	M/H
CLOUD COVER	CLEAR-0%	CLEAR-0%	CLOUDY-~6	
DEW	TO BE SEL	NO	NO	
SOIL MOISTURE	DRY/ DRY	DRY/ DRY	DRY/ DRY	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	52/4.00	89/4.00	89/4.00	F/IN
METHOD	SPRAY	SPRAY	SPRAY	
EQUIPMENT	BACKPACK/	BACKPACK/	BACKPACK/	
PROPELLANT	COMPRESSE	COMPRESSE	COMPRESSE	
PLACEMENT	BROADCAST	BROADCAST	BROADCAST	
NOZZLE	FLATFAN	FLATFAN	FLATFAN	
NOZZLE DESCRIPTION				
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	N/A	N/A	N/A	
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	0.430	0.430	0.430	
MIX SIZE UNIT	GAL	GAL	GAL	
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	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, Dent corn		---/14	---/15	
G10T63-3122 E-Z		11.0/14.0	18.0/20.0	IN
(PLANTED) 04/28/2018		26 DAP	31 DAP	
PEST *				
P, Waterhemp, commo		---/17	---/14	
		1.00/3.00	1.00/2.00	IN
P, Tall morning glo		---/14	---/14	
		2.00/2.00	1.50/3.00	IN
P, Giant foxtail		---/14	---/13	
		2.00/6.00	1.00/3.00	IN

*** CONTINUE

SPECIE AND STAGE	DEN / STG MIN / MAX	DEN / STG MIN / MAX	DEN / STG MIN / MAX	
PEST *				
P, Common cocklebur		---/13 2.00/5.00	---/15 2.50/5.00	IN

*** TIMING CODES**
09 = --- / PREEMERGENCE
11 = --- / EPOST
12 = --- / POST

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
13 = 3 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
15 = 5TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
17 = 7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: AMVAC ImpactZ and Impact Programs in RR/LL Corn. C-400
CREATED: 04/12/2018 **REVISED:** 08/24/2018 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 05/18/18	SETFA CON % 05/18/18	AMATA CON % 05/18/18	XANST CON % 05/18/18	PHBPU CON % 05/18/18	ZEAMD CON % 06/05/18
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	HARNESS XTRA	2.52	LAA	9	0	99	99	66	56	0
3A	HARNESS XTRA	2.52	LAA	9	0	99	99	71	63	0
B»	IMPACTZ 4.26SC	0.356	LAA	12						
C»	MSO	1.00	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
4A	HARNESS XTRA	2.52	LAA	9	0	99	99	48	55	0
B»	IMPACTZ 4.26SC	0.266	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	MSO	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
5A	HARNESS XTRA	2.52	LAA	9	0	99	99	48	60	0
B»	IMPACTZ 4.26SC	0.266	LAA	12						
C»	LIBERTY 2.34L	0.402	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
6A	HARNESS (7EC)	1.64	LAA	11	C	C	C	C	C	4
B	IMPACT 2.8SC	0.0219	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	MSO	0.25	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
7A	HARNESS (7EC)	1.64	LAA	11	C	C	C	C	C	3
B	IMPACT 2.8SC	0.0164	LAA	11						
C»	RNDUP POWERMAX	1.125	LAA	11						
D	ATRAZINE DF	0.50	LAA	11						
E»	MSO	0.25	PMV	11						
F»	LIQUID AMS	2.50	PMV	11						
8A»	HALEX GT 4.38L	1.97	LAA	11	C	C	C	C	C	0
B	ATRAZINE DF	0.50	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				0.0	0.0	0.0	6.4	6.9	0.8
	STANDARD DEVIATION				0.0	0.0	0.0	3.1	3.3	0.4

DATA MEAN

TITLE: AMVAC ImpactZ and Impact Programs in RR/LL Corn. C-400
CREATED: 04/12/2018 **REVISED:** 08/24/2018 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 06/05/18	AMATA CON % 06/05/18	XANST CON % 06/05/18	PHBPU CON % 06/05/18	ZEAMD CON % 06/20/18	SETFA CON % 06/20/18
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	HARNESS XTRA	2.52	LAA	9	84	93	38	43	0	84
3A	HARNESS XTRA	2.52	LAA	9	99	99	86	85	0	99
B»	IMPACTZ 4.26SC	0.356	LAA	12						
C»	MSO	1.00	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
4A	HARNESS XTRA	2.52	LAA	9	98	99	86	90	0	99
B»	IMPACTZ 4.26SC	0.266	LAA	12						
C»	RNDUP POWERMAX	1.125	LAA	12						
D»	MSO	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
5A	HARNESS XTRA	2.52	LAA	9	99	99	95	95	0	99
B»	IMPACTZ 4.26SC	0.266	LAA	12						
C»	LIBERTY 2.34L	0.402	LAA	12						
D»	LIQUID AMS	2.50	PMV	12						
6A	HARNESS (7EC)	1.64	LAA	11	97	99	98	88	0	95
B	IMPACT 2.8SC	0.0219	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	MSO	0.25	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
7A	HARNESS (7EC)	1.64	LAA	11	99	99	99	99	0	99
B	IMPACT 2.8SC	0.0164	LAA	11						
C»	RNDUP POWERMAX	1.125	LAA	11						
D	ATRAZINE DF	0.50	LAA	11						
E»	MSO	0.25	PMV	11						
F»	LIQUID AMS	2.50	PMV	11						
8A»	HALEX GT 4.38L	1.97	LAA	11	98	99	99	99	0	98
B	ATRAZINE DF	0.50	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
	LSD (0.05)				5.0	3.5	11.7	5.9	0.0	2.9
	STANDARD DEVIATION				2.4	1.7	5.6	2.8	0.0	1.4

DATA MEAN

TITLE: AMVAC ImpactZ and Impact Programs in RR/LL Corn. C-400
CREATED: 04/12/2018 **REVISED:** 08/24/2018 **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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	AMATA CON % 06/20/18	XANST CON % 06/20/18	PHBPU CON % 06/20/18
1A	CHECK	0.00	NA	0	0	0	0
2A	HARNESS XTRA	2.52	LAA	9	94	35	35
3A	HARNESS XTRA	2.52	LAA	9	99	83	80
B»	IMPACTZ 4.26SC	0.356	LAA	12			
C»	MSO	1.00	PMV	12			
D»	LIQUID AMS	2.50	PMV	12			
4A	HARNESS XTRA	2.52	LAA	9	99	85	81
B»	IMPACTZ 4.26SC	0.266	LAA	12			
C»	RNDUP POWERMAX	1.125	LAA	12			
D»	MSO	0.50	PMV	12			
E»	LIQUID AMS	2.50	PMV	12			
5A	HARNESS XTRA	2.52	LAA	9	99	94	87
B»	IMPACTZ 4.26SC	0.266	LAA	12			
C»	LIBERTY 2.34L	0.402	LAA	12			
D»	LIQUID AMS	2.50	PMV	12			
6A	HARNESS (7EC)	1.64	LAA	11	99	97	85
B	IMPACT 2.8SC	0.0219	LAA	11			
C	ATRAZINE DF	0.50	LAA	11			
D»	MSO	0.25	PMV	11			
E»	LIQUID AMS	2.50	PMV	11			
7A	HARNESS (7EC)	1.64	LAA	11	99	99	98
B	IMPACT 2.8SC	0.0164	LAA	11			
C»	RNDUP POWERMAX	1.125	LAA	11			
D	ATRAZINE DF	0.50	LAA	11			
E»	MSO	0.25	PMV	11			
F»	LIQUID AMS	2.50	PMV	11			
8A»	HALEX GT 4.38L	1.97	LAA	11	99	99	97
B	ATRAZINE DF	0.50	LAA	11			
C»	ACTIVATOR 90	0.25	PMV	11			
D»	LIQUID AMS	2.50	PMV	11			
	LSD (0.05)				2.3	13.1	11.1
	STANDARD DEVIATION				1.1	6.3	5.3

» **= SUPPLEMENTAL CHEMICAL** **---,M,C,D = MISSING DATA**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 04/29/2018(1)
11 = --- / EPOST 05/24/2018(2)
12 = --- / POST 05/29/2018(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 %	05/18/2018	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	SETFA	CON %	05/18/2018	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	05/18/2018	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	XANST	CON %	05/18/2018	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	PHBPU	CON %	05/18/2018	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	06/05/2018	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/05/2018	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	AMATA	CON %	06/05/2018	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	XANST	CON %	06/05/2018	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	PHBPU	CON %	06/05/2018	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	ZEAMD	CON %	06/20/2018	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
012	SETFA	CON %	06/20/2018	02	P	SETFA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
013	AMATA	CON %	06/20/2018	03	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

TITLE: AMVAC ImpactZ and Impact Programs in RR/LL Corn. C-400

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
014	XANST	CON %	06/20/2018	04	P	XANST		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
015	PHBPU	CON %	06/20/2018	05	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = G10T63-3122 E-Z