APPLICATIONS

SOIL INFORMATION

TEXTURE: SIX
PH: 6.6
%OM: 3.4
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	03	UNIT
TIMINGS	09	11	12	
TYPE	LIQUID MI	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/04/19	06/25/19	07/02/19	AME
TIME - BEGIN	17:45	10:00	11:30	24H
TIME - END	17:50	10:10	11:40	24H
AIR TEMPERATURE	82	82	88	F
% REL.HUMIDITY	47	52	68	
WIND DIRECTION	SOUTHWEST	WEST	SOUTHWEST	
WIND SPEED	12.0	6.0	1.5	M/H
CLOUD COVER	PAR.CLOUD	CLEAR-0%	CLEAR-0%	
DEW	NO	NO	TO BE SEL	
SOIL MOISTURE	DRY/MOIST	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	TO BE SEL	
SOIL TEMP/DEPTH	73/3.00	70/4.00	80/4.00	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	0.330	0.330	0.330	
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	
W5518RIB WYFFELS		10.0/10.0	18.0/20.0	IN
(PLANTED) 06/04/2019		21 DAP	28 DAP	
PEST *				
P, Waterhemp, commo		---/14	---/19	
		0.25/2.00	6.00/10.0	IN
P, Tall morning glo		---/13	---/19	
		1.00/3.00	6.00/10.0	IN

*** TIMING CODES**
09 = --- / PREEMERGENCE

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

*** STAGE CODE**
13 = 3RD TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
14 = 4 LEAVES UNFOLDED
14 = 4TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
15 = 5 LEAVES UNFOLDED
19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

DATA MEAN

TITLE: ImpactZ and Impact Programs for Weed Control in RR/LL Corn. LOST 40D
CREATED: 04/23/2019 **REVISED:** 10/31/2019 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG**
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	ZEAMD CON % 07/02/19	ZEAMD CON % 07/10/19	AMATA CON % 07/10/19	PHBPU CON % 07/10/19	ZEAMD CON % 07/15/19	ZEAMD CON % 07/25/19
1A	CHECK	0.00	NA	0	0	0	0	0	0	0
2A	HARNESS XTRA	2.24	LAA	9	0	2	99	93	1	0
B»	IMPACTZ 4.26SC	0.356	LAA	12						
C»	MSO	1.00	PMV	12						
D»	LIQUID AMS	2.50	PMV	12						
3A	HARNESS XTRA	2.24	LAA	9	0	3	99	84	2	1
B»	IMPACTZ 4.26SC	0.266	LAA	12						
C»	LIBERTY 2.34L	0.402	LAA	12						
D»	MSO	0.50	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
4A	HARNESS XTRA	2.24	LAA	9	0	3	99	91	2	1
B»	SHIELDEX 3.33S	0.035	LAA	12						
C	ATRAZINE DF	0.33	LAA	12						
D»	MSO	1.00	PMV	12						
E»	LIQUID AMS	2.50	PMV	12						
5A	HARNESS (7EC)	1.53	LAA	11	13	3	94	93	3	1
B	IMPACT 2.8SC	0.022	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	MSO	0.50	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
6A	HARNESS (7EC)	1.53	LAA	11	12	3	90	96	3	1
B»	SHIELDEX 3.33S	0.035	LAA	11						
C	ATRAZINE DF	0.50	LAA	11						
D»	MSO	0.50	PMV	11						
E»	LIQUID AMS	2.50	PMV	11						
7A»	HALEX GT 4.38L	1.97	LAA	11	3	2	91	87	1	0
B	ATRAZINE DF	0.50	LAA	11						
C»	ACTIVATOR 90	0.25	PMV	11						
D»	LIQUID AMS	2.50	PMV	11						
8A	CHECK	0.00	NA	0	0	0	0	0	0	0
	LSD (0.05)				2.8	0.5	10.1	10.6	0.7	0.8
	STANDARD DEVIATION				1.3	0.2	4.7	5.0	0.3	0.4

DATA MEAN

TITLE: ImpactZ and Impact Programs for Weed Control in RR/LL Corn. LOST 40D
CREATED: 04/23/2019 **REVISED:** 10/31/2019 **COMPLETED:** N
PROJECT TYPE: HERBICIDE
LOCATION: Urbana **RESEARCHED BY:**
DESIGN: RANDOMIZED COMPLETE BLOCK DESIGN
PLOT SIZE: 7.50 FT **WIDE X** 30.00 FT **LONG**
PLOT AREA: 225.00 SFT

REPS: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	AMATA CON % 07/25/19	PHBPU CON % 07/25/19	ZEAMD CON % 08/02/19	AMATA CON % 08/02/19	PHBPU CON % 08/02/19
1A	CHECK	0.00	NA	0	0	0	0	0	0
2A	HARNESS XTRA	2.24	LAA	9	99	96	0	99	93
B»	IMPACTZ 4.26SC	0.356	LAA	12					
C»	MSO	1.00	PMV	12					
D»	LIQUID AMS	2.50	PMV	12					
3A	HARNESS XTRA	2.24	LAA	9	99	93	0	99	91
B»	IMPACTZ 4.26SC	0.266	LAA	12					
C»	LIBERTY 2.34L	0.402	LAA	12					
D»	MSO	0.50	PMV	12					
E»	LIQUID AMS	2.50	PMV	12					
4A	HARNESS XTRA	2.24	LAA	9	99	92	0	99	90
B»	SHIELDEX 3.33S	0.035	LAA	12					
C	ATRAZINE DF	0.33	LAA	12					
D»	MSO	1.00	PMV	12					
E»	LIQUID AMS	2.50	PMV	12					
5A	HARNESS (7EC)	1.53	LAA	11	96	85	0	96	87
B	IMPACT 2.8SC	0.022	LAA	11					
C	ATRAZINE DF	0.50	LAA	11					
D»	MSO	0.50	PMV	11					
E»	LIQUID AMS	2.50	PMV	11					
6A	HARNESS (7EC)	1.53	LAA	11	92	96	1	95	94
B»	SHIELDEX 3.33S	0.035	LAA	11					
C	ATRAZINE DF	0.50	LAA	11					
D»	MSO	0.50	PMV	11					
E»	LIQUID AMS	2.50	PMV	11					
7A»	HALEX GT 4.38L	1.97	LAA	11	96	89	0	97	90
B	ATRAZINE DF	0.50	LAA	11					
C»	ACTIVATOR 90	0.25	PMV	11					
D»	LIQUID AMS	2.50	PMV	11					
8A	CHECK	0.00	NA	0	0	0	0	0	0
	LSD (0.05)				4.7	10.0	0.8	3.8	12.1
	STANDARD DEVIATION				2.2	4.7	0.4	1.8	5.6

» **= SUPPLEMENTAL CHEMICAL**

*** TIMING CODES**
00 = --- / UNTREATED TIMING
09 = --- / PREEMERGENCE 06/04/2019(1)
11 = --- / EPOST 06/25/2019(2)
12 = --- / POST 07/02/2019(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 %	07/02/2019	01	P	ZEAMD	15	RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ZEAMD	CON %	07/10/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	AMATA	CON %	07/10/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	PHBPU	CON %	07/10/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	ZEAMD	CON %	07/15/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ZEAMD	CON %	07/25/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	AMATA	CON %	07/25/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	PHBPU	CON %	07/25/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
009	ZEAMD	CON %	08/02/2019	01	P	ZEAMD		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
010	AMATA	CON %	08/02/2019	02	P	AMATA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
011	PHBPU	CON %	08/02/2019	03	P	PHBPU		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N

*** SPECIES COMMON NAME - VARIETY/SPECIE INFO (IF APPLICABLE)**
01 = W5518RIB WYFFELS

*** STAGE CODE**
15 = 5 LEAVES UNFOLDED