

SOIL INFORMATION

TRIAL INFORMATION

TEXTURE: SIL
 PH: 6.6
 %OM: 4.8
 PREV.CROP: ZEAMD - CORN, DENT
 %RESIDUE: 0
 PLOT WIDTH: 7.5 X 30 FEET
 PLOT AREA: 225 FEET

DESIGN: RCB
 REPS: 4

APPL. NUMBER	01	UNIT
TIMINGS	12	
TYPE	LIQUID MI	
APPLICATION DATE	05/16/15	AME
AIR TEMPERATURE	70	F
% REL.HUMIDITY	84	
WIND DIRECTION	SOUTHWEST	
WIND SPEED	7.0	M/H
CLOUD COVER	OVERCAST-	
DEW	YES	
SOIL MOISTURE	MOIST/MOI	
SOIL CONDITION	TO BE SEL	
METHOD	SPRAY	
EQUIPMENT	BACKPACK/	
PROPELLANT	COMPRESSE	
PLACEMENT	BROADCAST	
NOZZLE	FLATFAN	
NOZZLE DESCRIPTION		
NOZZLE NUMBER	5	
NOZZLE SPACING	18.000	IN
SCREEN SIZE		
SCREEN SZ DESC	NA	
SWATH WIDTH	7.5	FT
SPRAY VOLUME	15.00	
SPRAY VOLUME UNIT	GPA	
PRESSURE	30.00	PSI
DILUENT	WATER	
INC. DATE		AME
INC. START		24H
INC. END		24H
INC. DEPTH		IN
INC. EQUIPMENT	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	
PEST *		
P, LAMBSQUARTERS, C	---/19 2.00/12.0	IN
P, HORSEWEED / MARE	---/19 1.00/5.00	IN

* TIMING CODES

12 = --- / POST

* STAGE CODE

19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Evaluation of OR 009 with Roundup PowerMax for Control of Co. Lambsquarters. C-300
CREATED: 04/23/2015 **REVISED:** 08/27/2015 **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			CHEAL	ERICA	CHEAL	ERICA	CHEAL	ERICA
		RATE	UNIT	TM	CON % 05/19/15	CON % 05/19/15	CON % 05/28/15	CON % 05/28/15	CON % 06/02/15	CON % 06/02/15
1A»	RNDUP POWERMAX	0.42	LAA	12	80	20	79	10	81	10
B»	LIQUID AMS	2.50	PMV	12						
2A»	RNDUP POWERMAX	0.42	LAA	12	78	20	76	12	77	11
B»	LIQUID AMS	2.50	PMV	12						
C»	OR 009	0.25	PMV	12						
3A»	RNDUP POWERMAX	0.42	LAA	12	85	28	80	19	78	15
B»	LIQUID AMS	2.50	PMV	12						
C»	OR 009	0.40	PMV	12						
4A»	RNDUP POWERMAX	0.42	LAA	12	86	21	82	16	81	12
B»	LIQUID AMS	2.50	PMV	12						
C»	COC	0.25	PMV	12						
5A»	RNDUP POWERMAX	0.42	LAA	12	81	25	82	20	83	17
B»	LIQUID AMS	2.50	PMV	12						
C»	COC	1.00	PMV	12						
6A»	RNDUP POWERMAX	0.42	LAA	12	83	16	89	18	88	19
B»	LIQUID AMS	2.50	PMV	12						
C»	ACTIVATOR 90	0.25	PMV	12						
7A»	RNDUP POWERMAX	0.42	LAA	12	85	21	83	21	80	15
B»	LIQUID AMS	2.50	PMV	12						
C»	MSO	0.25	PMV	12						
8A»	RNDUP POWERMAX	0.42	LAA	12	88	29	87	27	87	23
B»	LIQUID AMS	2.50	PMV	12						
C»	MSO	1.00	PMV	12						
9A»	RNDUP POWERMAX	0.42	LAA	12	89	29	90	34	89	28
B»	LIQUID AMS	2.50	PMV	12						
C»	DESTINY HC	0.25	PMV	12						
10A»	RNDUP POWERMAX	0.42	LAA	12	89	36	91	37	88	30
B»	LIQUID AMS	2.50	PMV	12						
C»	DESTINY HC	0.50	PMV	12						
11A»	RNDUP POWERMAX	0.56	LAA	12	85	25	85	20	85	17
B»	LIQUID AMS	2.50	PMV	12						
12A»	RNDUP POWERMAX	0.56	LAA	12	91	39	90	37	89	29
B»	LIQUID AMS	2.50	PMV	12						
C»	OR 009	0.25	PMV	12						
13A»	RNDUP POWERMAX	0.56	LAA	12	90	31	89	21	89	18
B»	LIQUID AMS	2.50	PMV	12						
C»	OR 009	0.40	PMV	12						
14A»	RNDUP POWERMAX	0.56	LAA	12	87	20	86	21	83	17
B»	LIQUID AMS	2.50	PMV	12						
C»	COC	0.25	PMV	12						
15A»	RNDUP POWERMAX	0.56	LAA	12	91	26	89	30	90	26
B»	LIQUID AMS	2.50	PMV	12						
C»	COC	1.00	PMV	12						
16A»	RNDUP POWERMAX	0.56	LAA	12	90	24	86	27	88	23
B»	LIQUID AMS	2.50	PMV	12						
C»	ACTIVATOR 90	0.25	PMV	12						
17A»	RNDUP POWERMAX	0.56	LAA	12	89	28	87	32	87	29
B»	LIQUID AMS	2.50	PMV	12						
C»	MSO	0.25	PMV	12						

TITLE: Evaluation of OR 009 with Roundup PowerMax for Control of Co. Lambsquarters. C-300

TRT NUM	TREATMENT COMPONENT	DOSAGE		CHEAL	ERICA	CHEAL	ERICA	CHEAL	ERICA
		RATE	UNIT TM	CON % 05/19/15	CON % 05/19/15	CON % 05/28/15	CON % 05/28/15	CON % 06/02/15	CON % 06/02/15
18A»	RNDUP POWERMAX	0.56	LAA 12	90	26	88	27	89	27
	B»LIQUID AMS	2.50	PMV 12						
	C»MSO	1.00	PMV 12						
19A	CHECK	0.00	NA 0	0	0	0	0	0	0
20A»	RNDUP POWERMAX	0.56	LAA 12	92	25	91	22	94	21
	B»LIQUID AMS	2.50	PMV 12						
	C»DESTINY HC	0.25	PMV 12						
21A»	RNDUP POWERMAX	0.56	LAA 12	89	29	88	24	89	25
	B»LIQUID AMS	2.50	PMV 12						
	C»DESTINY HC	0.50	PMV 12						
			LSD (0.05)		12.41		13.00		12.54
			STANDARD DEVIATION		6.20		6.50		6.27

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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: 04

TRT NUM	TREATMENT COMPONENT	DOSAGE			CHEAL	ERICA
		RATE	UNIT	TM	CON % 06/05/15	CON % 06/05/15
1A»	RNDUP POWERMAX	0.42	LAA	12	80	8
B»	LIQUID AMS	2.50	PMV	12		
2A»	RNDUP POWERMAX	0.42	LAA	12	78	8
B»	LIQUID AMS	2.50	PMV	12		
C»	OR 009	0.25	PMV	12		
3A»	RNDUP POWERMAX	0.42	LAA	12	79	12
B»	LIQUID AMS	2.50	PMV	12		
C»	OR 009	0.40	PMV	12		
4A»	RNDUP POWERMAX	0.42	LAA	12	82	11
B»	LIQUID AMS	2.50	PMV	12		
C»	COC	0.25	PMV	12		
5A»	RNDUP POWERMAX	0.42	LAA	12	81	14
B»	LIQUID AMS	2.50	PMV	12		
C»	COC	1.00	PMV	12		
6A»	RNDUP POWERMAX	0.42	LAA	12	88	15
B»	LIQUID AMS	2.50	PMV	12		
C»	ACTIVATOR 90	0.25	PMV	12		
7A»	RNDUP POWERMAX	0.42	LAA	12	83	13
B»	LIQUID AMS	2.50	PMV	12		
C»	MSO	0.25	PMV	12		
8A»	RNDUP POWERMAX	0.42	LAA	12	88	19
B»	LIQUID AMS	2.50	PMV	12		
C»	MSO	1.00	PMV	12		
9A»	RNDUP POWERMAX	0.42	LAA	12	90	26
B»	LIQUID AMS	2.50	PMV	12		
C»	DESTINY HC	0.25	PMV	12		
10A»	RNDUP POWERMAX	0.42	LAA	12	87	25
B»	LIQUID AMS	2.50	PMV	12		
C»	DESTINY HC	0.50	PMV	12		
11A»	RNDUP POWERMAX	0.56	LAA	12	86	14
B»	LIQUID AMS	2.50	PMV	12		
12A»	RNDUP POWERMAX	0.56	LAA	12	89	27
B»	LIQUID AMS	2.50	PMV	12		
C»	OR 009	0.25	PMV	12		
13A»	RNDUP POWERMAX	0.56	LAA	12	91	16
B»	LIQUID AMS	2.50	PMV	12		
C»	OR 009	0.40	PMV	12		
14A»	RNDUP POWERMAX	0.56	LAA	12	86	13
B»	LIQUID AMS	2.50	PMV	12		
C»	COC	0.25	PMV	12		
15A»	RNDUP POWERMAX	0.56	LAA	12	89	21
B»	LIQUID AMS	2.50	PMV	12		
C»	COC	1.00	PMV	12		
16A»	RNDUP POWERMAX	0.56	LAA	12	88	21
B»	LIQUID AMS	2.50	PMV	12		
C»	ACTIVATOR 90	0.25	PMV	12		
17A»	RNDUP POWERMAX	0.56	LAA	12	87	24
B»	LIQUID AMS	2.50	PMV	12		
C»	MSO	0.25	PMV	12		

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TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	DOSAGE UNIT	CHEAL CON % 06/05/15	ERICA CON % 06/05/15
18A	RNDUP POWERMAX	0.56	LAA 12	89	24
	B>LIQUID AMS	2.50	PMV 12		
	C>MSO	1.00	PMV 12		
19A	CHECK	0.00	NA 0	0	0
20A	RNDUP POWERMAX	0.56	LAA 12	93	18
	B>LIQUID AMS	2.50	PMV 12		
	C>DESTINY HC	0.25	PMV 12		
21A	RNDUP POWERMAX	0.56	LAA 12	90	21
	B>LIQUID AMS	2.50	PMV 12		
	C>DESTINY HC	0.50	PMV 12		
LSD (0.05)					11.26
STANDARD DEVIATION					5.63

>> = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
12 = --- / POST 05/16/2015(1)

H#	CUSTOM#1	CUSTOM#2	EV.DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTR	SS	NOTE
001	CHEAL	CON %	05/19/2015	01	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
002	ERICA	CON %	05/19/2015	02	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
003	CHEAL	CON %	05/28/2015	01	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
004	ERICA	CON %	05/28/2015	02	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
005	CHEAL	CON %	06/02/2015	01	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
006	ERICA	CON %	06/02/2015	02	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
007	CHEAL	CON %	06/05/2015	01	P	CHEAL		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N
008	ERICA	CON %	06/05/2015	02	P	ERICA		RAW	ALL	CON	%	---	1.00 PL	NO	0001	0	N