

SOIL INFORMATION

TEXTURE: SIL
PH: 6.4
%OM: 4.8
PREV.CROP: ZEAMD - CORN, DENT
%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	13 14	14	
TYPE	LIQUID MI	LIQUID MI	
APPLICATION DATE	06/03/15	06/17/15	AME
AIR TEMPERATURE	75	80	F
% REL.HUMIDITY	42	69	
WIND DIRECTION	SOUTHEAST	SOUTHWEST	
WIND SPEED	2.0	4.0	M/H
CLOUD COVER	PAR.CLOUD	CLOUDY~6	
DEW	NO	YES	
SOIL MOISTURE	DRY/MOIST	MOIST/MOI	
SOIL CONDITION	TO BE SEL	TO BE SEL	
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	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	
PEST *			
P, VELVETLEAF	---/16 2.00/6.00	---/19 4.00/12.0	IN
P, WATERHEMP, COMMO	---/19 1.00/10.0	---/19 2.00/12.0	IN
P, RAGWEED, COMMON	---/17 4.00/12.0	---/19 4.00/14.0	IN
P, LAMBSQUARTERS, C	---/19 2.00/14.0	---/19 4.00/16.0	IN
P, MORNINGGLORY, TA	---/18 2.00/6.00	---/19 4.00/8.00	IN
P, FOXTAIL, GIANT	---/16 2.00/14.0	---/18 4.00/16.0	IN

* TIMING CODES

13 = --- / LPOST
14 = --- / VLPOST

* STAGE CODE

16 = 6 LEAVES UNFOLDED
16 = 6TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

*** STAGE CODE**

17	=	7TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18	=	8TH TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED
18	=	8 LEAVES UNFOLDED
19	=	>8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED

TITLE: Cobra Plus Dicamba for Common Ragweed Control. C-500
CREATED: 04/27/2015 **REVISED:** 07/28/2015 **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: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 06/10/15	CHEAL CON % 06/10/15	AMBEL CON % 06/10/15	AMATA CON % 06/10/15	ABUTH CON % 06/10/15	PHBPU CON % 06/10/15
1A	CLARITY	0.25	LAA	13	99	93	95	96	94	77
	B»RNDUP POWERMAX	0.77	LAA	13						
2A	CLARITY	0.50	LAA	13	99	98	95	97	96	82
	B»RNDUP POWERMAX	0.77	LAA	13						
3A	COBRA 2EC	0.156	LAA	13	99	99	93	96	98	87
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»COC	0.63	PMV	13						
4A	COBRA 2EC	0.195	LAA	13	99	98	96	97	99	88
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»COC	0.63	PMV	13						
5A	COBRA 2EC	0.25	LAA	13	99	99	98	98	99	92
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»COC	0.63	PMV	13						
6A	CLARITY	0.25	LAA	13	99	97	97	98	99	90
	B COBRA 2EC	0.156	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
7A	CLARITY	0.25	LAA	13	99	98	98	98	99	93
	B COBRA 2EC	0.195	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
8A	CLARITY	0.50	LAA	13	99	98	98	98	98	96
	B COBRA 2EC	0.156	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
9A	CLARITY	0.50	LAA	13	99	97	98	98	99	96
	B COBRA 2EC	0.195	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
10A	CLARITY	0.25	LAA	13	99	99	95	91	97	77
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.156	LAA	14						
	D»COC	0.63	PMV	14						
11A	CLARITY	0.25	LAA	13	99	99	92	93	95	80
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.195	LAA	14						
	D»COC	0.63	PMV	14						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	CLARITY	0.50	LAA	13	99	99	95	95	96	85
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.156	LAA	14						
	D»COC	0.63	PMV	14						
14A	CLARITY	0.50	LAA	13	99	99	95	96	98	90
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.195	LAA	14						
	D»COC	0.63	PMV	14						
15A	CLARITY	0.50	LAA	13	94	97	99	99	99	96
	B»RNDUP POWERMAX	0.77	LAA	13						
	C FLEXSTAR 1.88	0.294	LAA	13						
	D»COC	0.63	PMV	13						

TITLE: Cobra Plus Dicamba for Common Ragweed Control. C-500

TRT	TREATMENT	DOSAGE	SETFA	CHEAL	AMBEL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	UNIT	CON %	CON %	CON %	CON %	CON %
			TM	06/10/15	06/10/15	06/10/15	06/10/15	06/10/15
16A»	V-10405	0.67	LAA 13	98	99	97	97	94
B»	RNDUP POWERMAX	0.77	LAA 13					
C»	COC	0.63	PMV 13					
		LSA	0.05	1.59	2.23	3.74	2.84	2.85
		STANDARD	DEVIATION	0.779	1.09	1.83	1.39	1.40

TITLE: Cobra Plus Dicamba for Common Ragweed Control. C-500
CREATED: 04/27/2015 **REVISED:** 07/28/2015 **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: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 06/17/15	CHEAL CON % 06/17/15	AMBEL CON % 06/17/15	AMATA CON % 06/17/15	ABUTH CON % 06/17/15	PHBPU CON % 06/17/15
1A	CLARITY	0.25	LAA	13	99	99	98	96	93	89
	B»RNDUP POWERMAX	0.77	LAA	13						
2A	CLARITY	0.50	LAA	13	99	99	99	95	92	93
	B»RNDUP POWERMAX	0.77	LAA	13						
3A	COBRA 2EC	0.156	LAA	13	99	99	94	99	98	83
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»COC	0.63	PMV	13						
4A	COBRA 2EC	0.195	LAA	13	99	99	93	99	98	83
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»COC	0.63	PMV	13						
5A	COBRA 2EC	0.25	LAA	13	98	97	98	98	91	75
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»COC	0.63	PMV	13						
6A	CLARITY	0.25	LAA	13	97	99	97	99	98	80
	B COBRA 2EC	0.156	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
7A	CLARITY	0.25	LAA	13	96	99	99	99	97	86
	B COBRA 2EC	0.195	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
8A	CLARITY	0.50	LAA	13	96	99	98	99	98	91
	B COBRA 2EC	0.156	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
9A	CLARITY	0.50	LAA	13	94	98	99	99	96	89
	B COBRA 2EC	0.195	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
10A	CLARITY	0.25	LAA	13	99	99	99	91	89	88
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.156	LAA	14						
	D»COC	0.63	PMV	14						
11A	CLARITY	0.25	LAA	13	99	98	95	95	93	91
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.195	LAA	14						
	D»COC	0.63	PMV	14						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	CLARITY	0.50	LAA	13	99	99	99	99	97	90
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.156	LAA	14						
	D»COC	0.63	PMV	14						
14A	CLARITY	0.50	LAA	13	99	99	98	99	99	94
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.195	LAA	14						
	D»COC	0.63	PMV	14						
15A	CLARITY	0.50	LAA	13	94	99	99	99	97	95
	B»RNDUP POWERMAX	0.77	LAA	13						
	C FLEXSTAR 1.88	0.294	LAA	13						
	D»COC	0.63	PMV	13						

TITLE: Cobra Plus Dicamba for Common Ragweed Control. C-500

TRT	TREATMENT	DOSAGE	SETFA	CHEAL	AMBEL	AMATA	ABUTH	PHBPU
NUM	COMPONENT	RATE	CON %	CON %	CON %	CON %	CON %	CON %
		UNIT	TM	06/17/15	06/17/15	06/17/15	06/17/15	06/17/15
16A»	V-10405	0.67	LAA 13	98	99	99	98	97
	B»RNDUP POWERMAX	0.77	LAA 13					89
	C»COC	0.63	PMV 13					
		LSD (0.05)		2.25	1.06	2.50	6.00	7.42
		STANDARD DEVIATION		1.10	0.52	1.23	2.95	3.63

TITLE: Cobra Plus Dicamba for Common Ragweed Control. C-500
CREATED: 04/27/2015 **REVISED:** 07/28/2015 **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: 03

TRT NUM	TREATMENT COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 06/30/15	CHEAL CON % 06/30/15	AMBEL CON % 06/30/15	AMATA CON % 06/30/15	ABUTH CON % 06/30/15	PHBPU CON % 06/30/15
1A	CLARITY	0.25	LAA	13	96	99	97	97	93	88
	B»RNDUP POWERMAX	0.77	LAA	13						
2A	CLARITY	0.50	LAA	13	97	99	98	98	98	89
	B»RNDUP POWERMAX	0.77	LAA	13						
3A	COBRA 2EC	0.156	LAA	13	96	99	96	98	91	63
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»COC	0.63	PMV	13						
4A	COBRA 2EC	0.195	LAA	13	94	99	91	93	97	72
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»COC	0.63	PMV	13						
5A	COBRA 2EC	0.25	LAA	13	96	99	99	95	99	58
	B»RNDUP POWERMAX	0.77	LAA	13						
	C»COC	0.63	PMV	13						
6A	CLARITY	0.25	LAA	13	92	99	98	92	91	73
	B COBRA 2EC	0.156	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
7A	CLARITY	0.25	LAA	13	97	99	99	92	97	82
	B COBRA 2EC	0.195	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
8A	CLARITY	0.50	LAA	13	91	99	99	91	99	85
	B COBRA 2EC	0.156	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
9A	CLARITY	0.50	LAA	13	91	99	99	99	96	86
	B COBRA 2EC	0.195	LAA	13						
	C»RNDUP POWERMAX	0.77	LAA	13						
	D»COC	0.63	PMV	13						
10A	CLARITY	0.25	LAA	13	98	99	99	99	99	98
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.156	LAA	14						
	D»COC	0.63	PMV	14						
11A	CLARITY	0.25	LAA	13	99	99	99	99	99	99
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.195	LAA	14						
	D»COC	0.63	PMV	14						
12A	CHECK	0.00	NA	0	0	0	0	0	0	0
13A	CLARITY	0.50	LAA	13	99	99	99	99	99	99
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.156	LAA	14						
	D»COC	0.63	PMV	14						
14A	CLARITY	0.50	LAA	13	99	99	99	99	99	99
	B»RNDUP POWERMAX	0.77	LAA	13						
	C COBRA 2EC	0.195	LAA	14						
	D»COC	0.63	PMV	14						
15A	CLARITY	0.50	LAA	13	86	99	99	98	99	86
	B»RNDUP POWERMAX	0.77	LAA	13						
	C FLEXSTAR 1.88	0.294	LAA	13						
	D»COC	0.63	PMV	13						

TITLE: Cobra Plus Dicamba for Common Ragweed Control. C-500

TRT TREATMENT NUM COMPONENT	DOSAGE RATE	UNIT	TM	SETFA CON % 06/30/15	CHEAL CON % 06/30/15	AMBEL CON % 06/30/15	AMATA CON % 06/30/15	ABUTH CON % 06/30/15	PHBPU CON % 06/30/15
16A»V-10405	0.67	LAA	13	98	99	99	95	99	91
B»RNDUP POWERMAX	0.77	LAA	13						
C»COC	0.63	PMV	13						
LSD (0.05)				6.32	0.00	1.65	6.64	3.64	11.00
STANDARD DEVIATION				3.10	0.00	0.806	3.25	1.78	5.39

» = SUPPLEMENTAL CHEMICAL

* TIMING CODES

00 = --- / UNTREATED TIMING
 13 = --- / LPOST 06/03/2015(1)
 14 = --- / VLPOST 06/03/2015(1), 06/17/2015(2)

H#	CUSTOM#1	CUSTOM#2	EV. DATE	S#	TYP	SPECIE	STAGE	RAW	PRT	SYM	MTH	CNF	BASIS	C.M	CTRT	SS	NOTE
001	SETFA	CON %	06/10/2015	01	P	SETFA		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
002	CHEAL	CON %	06/10/2015	02	P	CHEAL		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
003	AMBEL	CON %	06/10/2015	03	P	AMBEL		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
004	AMATA	CON %	06/10/2015	06	P	AMATA		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
005	ABUTH	CON %	06/10/2015	04	P	ABUTH		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
006	PHBPU	CON %	06/10/2015	05	P	PHBPU		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
007	SETFA	CON %	06/17/2015	01	P	SETFA	18	RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
008	CHEAL	CON %	06/17/2015	02	P	CHEAL	19	RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
009	AMBEL	CON %	06/17/2015	03	P	AMBEL	19	RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
010	AMATA	CON %	06/17/2015	06	P	AMATA	19	RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
011	ABUTH	CON %	06/17/2015	04	P	ABUTH	19	RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
012	PHBPU	CON %	06/17/2015	05	P	PHBPU	19	RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
013	SETFA	CON %	06/30/2015	01	P	SETFA		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
014	CHEAL	CON %	06/30/2015	02	P	CHEAL		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
015	AMBEL	CON %	06/30/2015	03	P	AMBEL		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
016	AMATA	CON %	06/30/2015	06	P	AMATA		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
017	ABUTH	CON %	06/30/2015	04	P	ABUTH		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N
018	PHBPU	CON %	06/30/2015	05	P	PHBPU		RAW	ALL	CON %	---		1.00 PL	NO	0001	0	N

* STAGE CODE

18 = 8 LEAVES UNFOLDED
 19 = >8 TRUE LEAVES/LEAF PAIRS/WHORLS UNFOLDED