

MSU Weed Science Research Program

High input sugarbeet systems - Syngenta

Trial ID: SB05-12 Study Dir.: Sprague, Powell  
 Conducted: SVREC Investigator: Christy Sprague

**Date Planted:** Apr/04/2012 **Row Spacing:** 30" IN  
**Variety:** HM-28 RR **No. of Reps:** 4  
**Population:** 48,000 seeds/A **% OM:** 2.2  
**Soil Type:** Clay loam **pH:** 7.8  
**Plot Size:** 10 X 30 FT **Design:** RANDOMIZED COMPLETE BLOCK

**Tillage:** Previous crop: winter wheat; Tillage: fall chisel, spring soil finish (twice)  
**Fertilizer:** 125 lb/A actual N was applied as Urea

**Crop and Weed Description**

Weed	Code	Common Name	Scientific Name
1.	CHEAL	LAMBSQUARTERS, COMMON	CHENOPODIUM ALBUM L.
2.	AMBEL	RAGWEED, COMMON	AMBROSIA ARTEMISIIFOLIA L.
3.	AMARE	PIGWEEED, REDROOT	AMARANTHUS RETROFLEXUS L.
Crop	Code	Common Name	
1.	BETVU	BEET, SUGAR	

**Application Description**

	A	B	C	D	E	F
<b>Application Timing:</b>	2-leaf	4-leaf	6-leaf	Canopy	+55 DSV1	+55 DSV2
<b>Date Treated:</b>	May/04/2012	May/24/2012	May/30/2012	Jun/28/2012	Jul/25/2012	Aug/14/2012
<b>Time Treated:</b>	3:00 PM	11:00 AM	11:25 AM	12:45 PM	10:00 AM	11:45 AM
<b>% Cloud Cover:</b>	45	10	40	0	50	60
<b>Air Temp., Unit:</b>	89 F	82 F	72 F	92 F	73 F	72 F
<b>% Relative Humidity:</b>	59	45	48	43	52	66
<b>Wind Speed/Unit/Dir:</b>	7 mph SW	12 mph S	3 mph W	4 mph NW	5 mph S	0 mph -
<b>Soil Temp., Unit:</b>	66 F	69 F	68 F	78 F	73 F	72 F
<b>Soil/Leaf Surface M:</b>	1 4	5 5	5 5	5 5	5 5	2 5
<b>Soil Moist (1=w 5=d):</b>	2	5	4	5	5	2

**Crop Stage at Each Application**

	A	B	C	D	E	F
<b>Crop Name:</b>	BETVU	BETVU	BETVU	BETVU	BETVU	BETVU
<b>Height (In.):</b>	.25"	3.5"	4"	11"	13"	16"
<b>Stage (L):</b>	2	5	8	12	13	20+

**Weed Stage at Each Application**

	A	B	C	D	E	F
<b>Weed 1 Name:</b>	CHEAL	CHEAL	CHEAL	CHEAL	CHEAL	CHEAL
<b>Height (In.):</b>	0.5"	-	2"	-	-	-
<b>Stage (L):</b>	2-4	-	8	-	-	-
<b>Weed 2 Name:</b>	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL	AMBEL
<b>Height (In.):</b>	0.5"	-	2"	1-2"	-	-
<b>Stage (L):</b>	coty-6	-	6-10	2-4	-	-
<b>Weed 3 Name:</b>	AMARE	AMARE	AMARE	AMARE	AMARE	AMARE
<b>Height (In.):</b>	-	-	0.5-1"	-	-	-
<b>Stage (L):</b>	-	-	2-4	-	-	-

**Application Equipment**

Appl	Sprayer	Speed	Nozzle	Nozzle	Nozzle	Nozzle	Boom	GPA	Carrier	PSI
A	Type	MPH	Type	Size	Height	Spacing	Width			
A	Cub	3.8	AirMix	11003	20"	20"	100"	19	water	28
B	Cub	3.8	AirMix	11003	20"	20"	100"	19	water	28
C	Cub	3.8	AirMix	11003	23"	20"	100"	19	water	28
D	Cub	3.8	AirMix	11003	23"	20"	100"	19	water	28
E	Cub	3.8	AirMix	11003	27"	20"	100"	19	water	28
F	Cub	3.8	AirMix	11003	27"	20"	100"	19	water	28

**Comments:** There were no signs of Rhizoctonia crown and root rot.

Cercospora leaf spot (CLS) was evaluated on a scale from 0 to 100%.

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High input sugarbeet systems - Syngenta

Trial ID: SB05-12                      Study Dir.: Sprague, Powell  
 Conducted: SVREC                      Investigator: Christy Sprague

Weed Code							
Crop Code						BETVU	BETVU
Rating Data Type						stand count	stand count
Rating Unit						100'/row	100'/row
Rating Date						Apr/25/2012	May/02/2012
Trt-Eval Interval						21 DAP	28 DAP
ARM Action Codes						T2	T3
# Subsamples, Dec.						0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	H9028							139	156	213	226
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Eminent	1	L	13	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					
2	H9028 CruiserMax							100	124	172	178
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Eminent	1	L	13	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					
3	H9028							147	175	235	243
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B				
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					

## MSU Weed Science Research Program

Weed Code							
Crop Code						BETVU	BETVU
Rating Data Type						stand count	stand count
Rating Unit						100'/row	100'/row
Rating Date						Apr/25/2012	May/02/2012
Trt-Eval Interval						21 DAP	28 DAP
ARM Action Codes						T2	T3
# Subsamples, Dec.						0	0
							BETVU
							stand count
							100'/row
							May/09/2012
							May/15/2012
							41 DAP
							T4
							T5
							0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	BETVU stand count	BETVU stand count	BETVU stand count	BETVU stand count
4	H9028 CruiserMax							93	131	176	184
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B				
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					
	LSD (P=.05)							23.3	22.4	18.0	18.3
	CV							12.16	9.56	5.67	5.5

Means followed by same letter do not significantly differ (P=.05, LSD)

## MSU Weed Science Research Program

Weed Code								CHEAL	AMARE	AMBEL	
Crop Code								BETVU			
Rating Data Type								injury	control	control	
Rating Unit								percent	percent	percent	
Rating Date								Jun/13/2012	Jun/13/2012	Jun/13/2012	
Trt-Eval Interval								14 DA-C	14 DA-C	14 DA-C	
ARM Action Codes											
# Subsamples, Dec.								0	0	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	H9028							0	98	99	91
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Eminent	1	L	13	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					
2	H9028 CruiserMax							0	99	99	97
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Eminent	1	L	13	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					
3	H9028							0	89	99	94
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B				
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					

## MSU Weed Science Research Program

Weed Code							CHEAL	AMARE	AMBEL
Crop Code							BETVU		
Rating Data Type							injury	control	control
Rating Unit							percent	percent	percent
Rating Date							Jun/13/2012	Jun/13/2012	Jun/13/2012
Trt-Eval Interval							14 DA-C	14 DA-C	14 DA-C
ARM Action Codes									
# Subsamples, Dec.							0	0	0
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code		
4	H9028 CruiserMax						0	91	99
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A		
	AMS		WG	17	lb/100 gal	2-leaf	A		
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B		
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C		
	AMS		WG	17	lb/100 gal	6-leaf	C		
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D		
	AMS (IFN)		WG	17	lb/100 gal	canopy	D		
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D		
	SuperTin	80	WG	2	oz/a	+55 DSV1	E		
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E		
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F		
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F		
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3			
	EDBC			2.5	lb/a	+55 DSV3			
	LSD (P=.05)						0.0	6.7	0.8
	CV						0.0	4.49	0.51

Means followed by same letter do not significantly differ (P=.05, LSD)

## MSU Weed Science Research Program

Weed Code	CHEAL	AMARE	AMBEL	CLS							
Crop Code											
Rating Data Type	control	control	control	injury							
Rating Unit	percent	percent	percent	percent							
Rating Date	Sep/07/2012	Sep/07/2012	Sep/07/2012	Sep/07/2012							
Trt-Eval Interval	71 DA-D	71 DA-D	71 DA-D	24 DA-F							
ARM Action Codes											
# Subsamples, Dec.	0	0	0	0							
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code				
1	H9028							97	99	93	18
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Eminent	1	L	13	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					
2	H9028 CruiserMax							97	99	95	21
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Eminent	1	L	13	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					
3	H9028							94	99	95	19
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B				
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					

## MSU Weed Science Research Program

Weed Code	CHEAL	AMARE	AMBEL	CLS
Crop Code				
Rating Data Type	control	control	control	injury
Rating Unit	percent	percent	percent	percent
Rating Date	Sep/07/2012	Sep/07/2012	Sep/07/2012	Sep/07/2012
Trt-Eval Interval	71 DA-D	71 DA-D	71 DA-D	24 DA-F
ARM Action Codes				
# Subsamples, Dec.	0	0	0	0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code	CHEAL	AMARE	AMBEL	CLS
4	H9028 CruiserMax							98	99	96	23
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B				
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					
	LSD (P=.05)							4.0	0.0	4.3	11.3
	CV							2.6	0.0	2.84	35.36

Means followed by same letter do not significantly differ (P=.05, LSD)

## MSU Weed Science Research Program

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	ARM Action Codes	# Subsamples, Dec.	BETVU stand count	BETVU % sugar	BETVU yield ton/acre	BETVU RWST # / ton	
								100' row	Sep/11/2012	Sep/11/2012	Sep/11/2012	Sep/11/2012
								160 DAP	160 DAP	160 DAP	160 DAP	160 DAP
								T1		TY6		
								0	1	1	0	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code					
1	H9028							181	14.8	25.3	216	
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A					
	AMS		WG	17	lb/100 gal	2-leaf	A					
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C					
	AMS		WG	17	lb/100 gal	6-leaf	C					
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D					
	AMS (IFN)		WG	17	lb/100 gal	canopy	D					
	Eminent	1	L	13	fl oz/a	55 DSV	D					
	SuperTin	80	WG	2	oz/a	+55 DSV1	E					
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E					
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F					
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F					
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3						
	EDBC			2.5	lb/a	+55 DSV3						
2	H9028 CruiserMax							154	14.3	22.9	210	
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A					
	AMS		WG	17	lb/100 gal	2-leaf	A					
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C					
	AMS		WG	17	lb/100 gal	6-leaf	C					
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D					
	AMS (IFN)		WG	17	lb/100 gal	canopy	D					
	Eminent	1	L	13	fl oz/a	55 DSV	D					
	SuperTin	80	WG	2	oz/a	+55 DSV1	E					
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E					
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F					
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F					
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3						
	EDBC			2.5	lb/a	+55 DSV3						
3	H9028							188	13.7	23.2	201	
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A					
	AMS		WG	17	lb/100 gal	2-leaf	A					
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B					
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C					
	AMS		WG	17	lb/100 gal	6-leaf	C					
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D					
	AMS (IFN)		WG	17	lb/100 gal	canopy	D					
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D					
	SuperTin	80	WG	2	oz/a	+55 DSV1	E					
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E					
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F					
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F					
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3						
	EDBC			2.5	lb/a	+55 DSV3						



## MSU Weed Science Research Program

Weed Code									
Crop Code						BETVU	BETVU	BETVU	BETVU
Rating Data Type						stand count	% sugar	yield	RWST
Rating Unit						100' row		ton/acre	# / ton
Rating Date						Sep/11/2012	Sep/11/2012	Sep/11/2012	Sep/11/2012
Trt-Eval Interval						160 DAP	160 DAP	160 DAP	160 DAP
ARM Action Codes						T1		TY6	
# Subsamples, Dec.						0	1	1	0

Trt	Treatment	Form	Form	Rate	Grow	Appl					
No.	Name	Conc	Type	Rate	Unit	Stg	Code				
4	H9028 CruiserMax							158	14.6	23.4	213
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A				
	AMS		WG	17	lb/100 gal	2-leaf	A				
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B				
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C				
	AMS		WG	17	lb/100 gal	6-leaf	C				
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D				
	AMS (IFN)		WG	17	lb/100 gal	canopy	D				
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D				
	SuperTin	80	WG	2	oz/a	+55 DSV1	E				
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E				
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F				
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F				
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3					
	EDBC			2.5	lb/a	+55 DSV3					
	LSD (P=.05)							17.9	1.70	4.93	27.2
	CV							6.57	7.38	12.99	8.09

Means followed by same letter do not significantly differ (P=.05, LSD)

## MSU Weed Science Research Program

Weed Code  
 Crop Code  
 Rating Data Type  
 Rating Unit  
 Rating Date  
 Trt-Eval Interval  
 ARM Action Codes  
 # Subsamples, Dec.

BETVU  
 RWSA  
 # / acre  
 Sep/11/2012  
 160 DAP  
 T7  
 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Grow Stg	Appl Code
1	H9028						5466
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A
	AMS		WG	17	lb/100 gal	2-leaf	A
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C
	AMS		WG	17	lb/100 gal	6-leaf	C
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D
	AMS (IFN)		WG	17	lb/100 gal	canopy	D
	Eminent	1	L	13	fl oz/a	55 DSV	D
	SuperTin	80	WG	2	oz/a	+55 DSV1	E
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3	
	EDBC			2.5	lb/a	+55 DSV3	
2	H9028 CruiserMax						4807
	Touchdown Total	4.17	SL	22	fl oz/a	2-leaf	A
	AMS		WG	17	lb/100 gal	2-leaf	A
	Touchdown Total	4.17	SL	22	fl oz/a	6-leaf	C
	AMS		WG	17	lb/100 gal	6-leaf	C
	Touchdown Total (IFN)	4.17	SL	22	fl oz/a	canopy	D
	AMS (IFN)		WG	17	lb/100 gal	canopy	D
	Eminent	1	L	13	fl oz/a	55 DSV	D
	SuperTin	80	WG	2	oz/a	+55 DSV1	E
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3	
	EDBC			2.5	lb/a	+55 DSV3	
3	H9028						4596
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A
	AMS		WG	17	lb/100 gal	2-leaf	A
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C
	AMS		WG	17	lb/100 gal	6-leaf	C
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D
	AMS (IFN)		WG	17	lb/100 gal	canopy	D
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D
	SuperTin	80	WG	2	oz/a	+55 DSV1	E
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3	
	EDBC			2.5	lb/a	+55 DSV3	

MSU Weed Science Research Program

Weed Code  
 Crop Code BETVU  
 Rating Data Type RWSA  
 Rating Unit # / acre  
 Rating Date Sep/11/2012  
 Trt-Eval Interval 160 DAP  
 ARM Action Codes T7  
 # Subsamples, Dec. 0

Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Grow Stg	Appl Code
4	H9028 CruiserMax						5008
	Touchdown Total	4.17	SL	28	fl oz/a	2-leaf	A
	AMS		WG	17	lb/100 gal	2-leaf	A
	Quadris - Banded	2.08	L	10.5	fl oz/a	4-leaf	B
	Sequence	5.25	SL	3.5	pt/a	6-leaf	C
	AMS		WG	17	lb/100 gal	6-leaf	C
	Touchdown Total (IFN)	4.17	SL	28	fl oz/a	canopy	D
	AMS (IFN)		WG	17	lb/100 gal	canopy	D
	Inspire XT	1	L	4.17	fl oz/a	55 DSV	D
	SuperTin	80	WG	2	oz/a	+55 DSV1	E
	Topsin	70	WG	0.5	lb/a	+55 DSV1	E
	Penncozeb	75	DF	2	lb/a	+55 DSV2	F
	Kocide 3000	46.1	DF	2	lb/a	+55 DSV2	F
	Headline	2.09	L	9.2	fl oz/a	+55 DSV3	
	EDBC			2.5	lb/a	+55 DSV3	
LSD (P=.05)							1222.4
CV							15.38

Means followed by same letter do not significantly differ (P=.05, LSD)