

## Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles      Location: Alto Pass, IL  
 Investigator: Bryan Young

**Investigator:** Bryan Young, Associate Professor, Southern Illinois University

**City State Zip Country:**      Alto Pass      IL 62905 USA  
**Trial Status:** Final      **Updated:**      11-14-05

**Objective:**

To evaluate Sinbar plus Diuron tank mixtures in young fruit trees on soils with 0.5 to 2.0% organic matter.

Weed Code	Common Name	Scientific Name
1.	STEME chickweed, common	Stellaria media (L.) Vill.
2.	LAMAM henbit	Lamium amplexicaule L.
3.	PAVSA parsnip, wild	Pastinaca sativa L.
4.	THLAR pennycress, field	Thlaspi arvense L.
5.	TAROF dandelion	Taraxacum officinale Weber in Wiggers
6.	TRFRE clover, white	Trifolium repens L.
7.	RUMCR dock, curly	Rumex crispus L.
8.	AMPAL milkweed, honeyvine	Ampelamus albidus (Nutt.) Britt.
9.	SETFA foxtail, giant	Setaria faberi Herrm.
10.	PANDI panicum, fall	Panicum dichotomiflorum Michx.
11.	IPOSS morningglory, species	Ipomoea sp.
12.	SIDSP sida, prickly	Sida spinosa L.

**Crop 1:** PRNPS Peach      **Variety:** Fayette  
**Planting Method:** Established

**Plot Width, Unit:** 10 FT      **Plot Length, Unit:** 28 FT      **Reps:** 3  
**Tillage Type:** No-Till      **Study Design:** Randomized complete block

**APPLICATION DESCRIPTION**

	A	B
<b>Application Date:</b>	04-15-05	07-18-05
<b>Time of Day:</b>	10:00	10:00
<b>Application Method:</b>	Spray	Spray
<b>Application Timing:</b>	PRE	POST
<b>Applic. Placement:</b>	BROFOL	BROFOL
<b>Air Temp., Unit:</b>	66 F	79 F
<b>% Relative Humidity:</b>	44	80
<b>Wind Velocity, Unit:</b>	7 MPH	2 MPH
<b>Soil Moisture:</b>	NORMAL	NORMAL

**CROP STAGE AT EACH APPLICATION**

	A		B	
<b>Crop 1 Code, Stage:</b>	PRNPS	PREBUD	PRNPS	NA
<b>Height, Unit:</b>	NA	NA	NA	NA

**WEED STAGE AT EACH APPLICATION**

	A	B
<b>Weed 1 Code:</b>	STEME	
<b>Stage (leaves):</b>	50+	
<b>Height (inches):</b>	3-6	
<b>Density:</b>	High	
<b>Weed 2 Code:</b>	LAMAM	
<b>Stage (leaves):</b>	18-20	
<b>Height (inches):</b>	3-6	
<b>Density:</b>	Medium	
<b>Weed 3 Code:</b>	PAVSA	
<b>Stage (leaves):</b>	50+	
<b>Height (inches):</b>	4-8	
<b>Density:</b>	Medium	
<b>Weed 4 Code:</b>	THLAR	THLAR
<b>Stage (leaves):</b>	30-50+	12-20
<b>Height (inches):</b>	6-12	12-48
<b>Density:</b>	Low	Low
<b>Weed 5 Code:</b>	TAROF	
<b>Stage (leaves):</b>	8-10	
<b>Height (inches):</b>	2-5	
<b>Density:</b>	Low	
<b>Weed 6 Code:</b>	TRFRE	
<b>Stage (leaves):</b>	50+	
<b>Height (inches):</b>	2-4	
<b>Density:</b>	Low	
<b>Weed 7 Code:</b>	RUMCR	
<b>Stage (leaves):</b>	8-12	
<b>Height (inches):</b>	6-8	
<b>Density:</b>	Low	

## Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles      Location: Alto Pass, IL  
 Investigator: Bryan Young

Weed 8 Code:                    AMPAL  
 Stage (leaves) :                8-16  
 Height (inches) :               6-30  
 Density:                         Low

Weed 9 Code:                    SETFA  
 Stage (leaves) :                7-14  
 Height (inches) :               10-20  
 Density:                         High

Weed10 Code:                   PANDI  
 Stage (leaves) :                7-14  
 Height (inches) :               10-20  
 Density:                         High

Weed11 Code:                   IPOSS  
 Stage (leaves) :                10-30  
 Height (inches) :               10-50  
 Density:                         High

## APPLICATION EQUIPMENT

	A	B
Appl. Equipment:	CO2 sprayer	CO2 sprayer
Operating Pressure:	40 PSI	40 PSI
Nozzle Type:	Flat fan	Flat fan
Nozzle Size:	8003	8003
Boom Length, Unit:	5 FT	5 FT
Spray Volume, Unit:	20 GPA	20 GPA

## NOTES:

Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles Location: Alto Pass, IL  
 Investigator: Bryan Young

Weed Code		Crop Code		PRNPS		PRNPS		PRNPS		PRNPS		PRNPS		STEME	LAMAM	PAVSA	TAROF
Rating Data Type		Injury		Injury		Injury		Injury		Injury		Injury		Control	Control	Control	Control
Rating Unit		Percent		Percent		Percent		Percent		Percent		Percent		Percent	Percent	Percent	Percent
Rating Date		05-15-05		06-14-05		07-18-05		08-26-05		10-04-05		05-15-05		05-15-05	05-15-05	05-15-05	05-15-05
Trt-Eval Interval		30 DA-A		60 DA-A		94 DA-A		39 DA-B		78 DA-B		30 DA-A		30 DA-A	30 DA-A	30 DA-A	30 DA-A
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code									
1	SINBAR	80	WP	0.6 lb ai/a	12 oz/a	PRE	A		0	0	0	0	0	99	99	99	99
1	KARMEX	80	WG	0.6 lb ai/a	12 oz/a	PRE	A										
1	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
2	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		0	0	0	0	0	96	99	99	99
2	KARMEX	80	WG	0.8 lb ai/a	16 oz/a	PRE	A										
2	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
3	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		0	0	0	0	0	96	99	99	99
3	KARMEX	80	WG	0.8 lb ai/a	16 oz/a	PRE	A										
3	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
3	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	POST	B										
3	KARMEX	80	WG	0.8 lb ai/a	16 oz/a	POST	B										
3	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
4	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		0	0	0	0	0	99	99	99	99
4	KARMEX	80	WG	1.6 lb ai/a	32 oz/a	PRE	A										
4	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
4	SINBAR	80	WP	0.6 lb ai/a	12 oz/a	POST	B										
4	KARMEX	80	WG	1.2 lb ai/a	24 oz/a	POST	B										
4	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
5	SINBAR	80	WP	1.2 lb ai/a	24 oz/a	PRE	A		0	0	0	0	0	99	99	99	99
5	KARMEX	80	WG	2.4 lb ai/a	48 oz/a	PRE	A										
5	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
5	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	POST	B										
5	KARMEX	80	WG	1.6 lb ai/a	32 oz/a	POST	B										
5	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
6	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		0	0	0	0	0	99	99	99	99
6	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
6	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	POST	B										
6	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
7	SINBAR	80	WP	1.6 lb ai/a	32 oz/a	PRE	A		0	0	0	0	0	99	99	99	69
7	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
7	SINBAR	80	WP	1.6 lb ai/a	32 oz/a	POST	B										
7	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
8	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	PRE	A		0	0	0	0	0	92	99	99	99
8	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
8	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	POST	B										
8	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
9	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	PRE	A		0	0	0	0	0	99	99	99	99
9	KARMEX	80	WG	0.4 lb ai/a	8 oz/a	PRE	A										
9	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
9	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	POST	B										
9	KARMEX	80	WG	0.4 lb ai/a	8 oz/a	POST	B										
9	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										

Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles Location: Alto Pass, IL  
 Investigator: Bryan Young

Weed Code												STEME	LAMAM	PAVSA	TAROF			
Crop Code		PRNPS	PRNPS	PRNPS	PRNPS	PRNPS												
Rating Data Type		Injury	Injury	Injury	Injury	Injury												
Rating Unit		Percent	Percent	Percent	Percent	Percent												
Rating Date		05-15-05	06-14-05	07-18-05	08-26-05	10-04-05												
Trt-Eval Interval		30 DA-A	60 DA-A	94 DA-A	39 DA-B	78 DA-B	30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A	30 DA-A		
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code									
10	SINBAR	80	WP	0.8	lb ai/a	16	oz/a	PRE	A	0	0	0	0	0	99	99	99	99
10	KARMEX	80	WG	0.8	lb ai/a	16	oz/a	PRE	A									
10	GRAMOXONE MAX	3	SL	0.94	lb ai/a	2.5	pt/a	PRE	A									
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A									
10	SINBAR	80	WP	0.4	lb ai/a	8	oz/a	POST	B									
10	KARMEX	80	WG	0.4	lb ai/a	8	oz/a	POST	B									
10	GRAMOXONE MAX	3	SL	0.94	lb ai/a	2.5	pt/a	POST	B									
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	POST	B									
11	NONTREATED									0	0	0	0	0	0	0	0	0
LSD (P=.05)										0.0	0.0	0.0	0.0	0.0	5.2	0.0	0.0	26.4
Replicate F										0.000	0.000	0.000	0.000	0.000	0.140	0.000	0.000	1.000
Replicate Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000	0.8706	1.0000	1.0000	0.3855
Treatment F										0.000	0.000	0.000	0.000	0.000	280.160	0.000	0.000	11.469
Treatment Prob(F)										1.0000	1.0000	1.0000	1.0000	1.0000	0.0001	1.0000	1.0000	0.0001

Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles Location: Alto Pass, IL  
 Investigator: Bryan Young

Weed Code										RUMCR	THLAR	THLAR	THLAR	THLAR	THLAR	DIGIS	DIGIS
Crop Code										Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit										05-15-05	05-15-05	06-14-05	07-18-05	08-26-05	10-04-05	08-26-05	10-04-05
Rating Date										30 DA-A	30 DA-A	60 DA-A	94 DA-A	39 DA-B	78 DA-B	39 DA-B	78 DA-B
Trt-Eval Interval																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code									
1	SINBAR	80	WP	0.6 lb ai/a	12 oz/a	PRE	A		99	55	63	86	98	99	20	16	
1	KARMEX	80	WG	0.6 lb ai/a	12 oz/a	PRE	A										
1	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
2	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		41	50	54	57	97	99	17	8	
2	KARMEX	80	WG	0.8 lb ai/a	16 oz/a	PRE	A										
2	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
3	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		61	53	73	95	98	99	55	48	
3	KARMEX	80	WG	0.8 lb ai/a	16 oz/a	PRE	A										
3	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
3	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	POST	B										
3	KARMEX	80	WG	0.8 lb ai/a	16 oz/a	POST	B										
3	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
4	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		68	53	72	96	98	99	97	89	
4	KARMEX	80	WG	1.6 lb ai/a	32 oz/a	PRE	A										
4	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
4	SINBAR	80	WP	0.6 lb ai/a	12 oz/a	POST	B										
4	KARMEX	80	WG	1.2 lb ai/a	24 oz/a	POST	B										
4	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
5	SINBAR	80	WP	1.2 lb ai/a	24 oz/a	PRE	A		11	75	92	98	98	99	94	95	
5	KARMEX	80	WG	2.4 lb ai/a	48 oz/a	PRE	A										
5	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
5	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	POST	B										
5	KARMEX	80	WG	1.6 lb ai/a	32 oz/a	POST	B										
5	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
6	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		45	58	70	72	98	99	74	69	
6	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
6	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	POST	B										
6	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
7	SINBAR	80	WP	1.6 lb ai/a	32 oz/a	PRE	A		71	58	89	91	98	99	98	90	
7	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
7	SINBAR	80	WP	1.6 lb ai/a	32 oz/a	POST	B										
7	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
8	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	PRE	A		99	25	59	83	98	99	97	93	
8	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
8	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	POST	B										
8	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										
9	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	PRE	A		99	47	57	62	98	99	83	77	
9	KARMEX	80	WG	0.4 lb ai/a	8 oz/a	PRE	A										
9	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A										
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A										
9	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	POST	B										
9	KARMEX	80	WG	0.4 lb ai/a	8 oz/a	POST	B										
9	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B										
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B										

Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles Location: Alto Pass, IL  
 Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	RUMCR	THLAR	THLAR	THLAR	THLAR	THLAR	DIGIS	DIGIS				
						Control Percent 05-15-05 30 DA-A	Control Percent 05-15-05 30 DA-A	Control Percent 06-14-05 60 DA-A	Control Percent 07-18-05 94 DA-A	Control Percent 08-26-05 39 DA-B	Control Percent 10-04-05 78 DA-B	Control Percent 08-26-05 39 DA-B	Control Percent 10-04-05 78 DA-B				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
10	SINBAR	80	WP	0.8	lb ai/a	16	oz/a	PRE	A	69	58	85	90				
10	KARMEX	80	WG	0.8	lb ai/a	16	oz/a	PRE	A								
10	GRAMOXONE MAX	3	SL	0.94	lb ai/a	2.5	pt/a	PRE	A								
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A								
10	SINBAR	80	WP	0.4	lb ai/a	8	oz/a	POST	B								
10	KARMEX	80	WG	0.4	lb ai/a	8	oz/a	POST	B								
10	GRAMOXONE MAX	3	SL	0.94	lb ai/a	2.5	pt/a	POST	B								
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	POST	B								
11	NONTREATED									0	0	0	0				
LSD (P=.05)										61.8	25.2	21.2	23.8	0.9	0.0	31.6	32.1
Replicate F										0.658	0.545	0.125	2.180	1.000	0.000	2.072	0.863
Replicate Prob(F)										0.5287	0.5880	0.8833	0.1391	0.3855	1.0000	0.1521	0.4372
Treatment F										2.613	5.490	12.272	12.551	9585.401	0.000	12.291	11.489
Treatment Prob(F)										0.0324	0.0006	0.0001	0.0001	0.0001	1.0000	0.0001	0.0001

Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles Location: Alto Pass, IL  
 Investigator: Bryan Young

Weed Code				TRFRE	TRFRE	AMPAL	AMPAL	AMPAL	AMPAL	SETFA					
Crop Code				Control	Control	Control	Control	Control	Control	Control					
Rating Data Type				Percent	Percent	Percent	Percent	Percent	Percent	Percent					
Rating Unit				05-15-05	06-14-05	06-14-05	07-18-05	08-26-05	10-04-05	06-14-05					
Rating Date				30 DA-A	60 DA-A	60 DA-A	94 DA-A	39 DA-B	78 DA-B	60 DA-A					
Trt-Eval Interval															
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code							
1	SINBAR	80	WP	0.6 lb ai/a	12 oz/a	PRE	A		99	99	0	77	48	39	89
1	KARMEX	80	WG	0.6 lb ai/a	12 oz/a	PRE	A								
1	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A								
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A								
2	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		99	99	0	80	63	61	92
2	KARMEX	80	WG	0.8 lb ai/a	16 oz/a	PRE	A								
2	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A								
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A								
3	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		99	99	0	78	40	38	85
3	KARMEX	80	WG	0.8 lb ai/a	16 oz/a	PRE	A								
3	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A								
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A								
3	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	POST	B								
3	KARMEX	80	WG	0.8 lb ai/a	16 oz/a	POST	B								
3	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B								
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B								
4	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		99	99	0	93	32	29	97
4	KARMEX	80	WG	1.6 lb ai/a	32 oz/a	PRE	A								
4	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A								
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A								
4	SINBAR	80	WP	0.6 lb ai/a	12 oz/a	POST	B								
4	KARMEX	80	WG	1.2 lb ai/a	24 oz/a	POST	B								
4	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B								
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B								
5	SINBAR	80	WP	1.2 lb ai/a	24 oz/a	PRE	A		99	99	28	99	53	51	91
5	KARMEX	80	WG	2.4 lb ai/a	48 oz/a	PRE	A								
5	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A								
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A								
5	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	POST	B								
5	KARMEX	80	WG	1.6 lb ai/a	32 oz/a	POST	B								
5	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B								
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B								
6	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	PRE	A		99	99	5	82	87	86	64
6	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A								
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A								
6	SINBAR	80	WP	0.8 lb ai/a	16 oz/a	POST	B								
6	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B								
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B								
7	SINBAR	80	WP	1.6 lb ai/a	32 oz/a	PRE	A		99	99	7	94	72	74	94
7	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A								
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A								
7	SINBAR	80	WP	1.6 lb ai/a	32 oz/a	POST	B								
7	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B								
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B								
8	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	PRE	A		78	96	3	68	87	83	78
8	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A								
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A								
8	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	POST	B								
8	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B								
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B								
9	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	PRE	A		99	99	27	91	62	59	53
9	KARMEX	80	WG	0.4 lb ai/a	8 oz/a	PRE	A								
9	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	PRE	A								
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	PRE	A								
9	SINBAR	80	WP	0.4 lb ai/a	8 oz/a	POST	B								
9	KARMEX	80	WG	0.4 lb ai/a	8 oz/a	POST	B								
9	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a	POST	B								
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v	POST	B								

Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles Location: Alto Pass, IL  
 Investigator: Bryan Young

Weed Code	Crop Code	Rating Data Type	Rating Unit	Rating Date	Trt-Eval Interval	TRFRE	TRFRE	AMPAL	AMPAL	AMPAL	AMPAL	SETFA				
						Control	Control	Control	Control	Control	Control	Control				
						Percent	Percent	Percent	Percent	Percent	Percent	Percent				
						05-15-05	06-14-05	06-14-05	07-18-05	08-26-05	10-04-05	06-14-05				
						30 DA-A	60 DA-A	60 DA-A	94 DA-A	39 DA-B	78 DA-B	60 DA-A				
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code							
10	SINBAR	80	WP	0.8	lb ai/a	16	oz/a	PRE	A	99	99	15	99	65	62	88
10	KARMEX	80	WG	0.8	lb ai/a	16	oz/a	PRE	A							
10	GRAMOXONE MAX	3	SL	0.94	lb ai/a	2.5	pt/a	PRE	A							
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A							
10	SINBAR	80	WP	0.4	lb ai/a	8	oz/a	POST	B							
10	KARMEX	80	WG	0.4	lb ai/a	8	oz/a	POST	B							
10	GRAMOXONE MAX	3	SL	0.94	lb ai/a	2.5	pt/a	POST	B							
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	POST	B							
11	NONTREATED									0	0	0	0	0	0	0
LSD (P=.05)										19.0	2.7	19.7	14.4	30.6	31.0	19.0
Replicate F										1.000	1.247	0.017	3.522	1.283	1.455	6.187
Replicate Prob(F)										0.3855	0.3088	0.9831	0.0489	0.2990	0.2570	0.0081
Treatment F										21.607	1093.456	2.620	32.509	5.888	5.867	19.460
Treatment Prob(F)										0.0001	0.0001	0.0320	0.0001	0.0004	0.0004	0.0001



Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles Location: Alto Pass, IL  
 Investigator: Bryan Young

Weed Code										PANDI	PANDI	PANDI	PANDI	IPOSS	IPOSS	IPOSS	SIDSP
Crop Code										Control	Control	Control	Control	Control	Control	Control	Control
Rating Data Type										Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent
Rating Unit										06-14-05	07-18-05	08-26-05	10-04-05	07-18-05	08-26-05	10-04-05	07-18-05
Rating Date										60 DA-A	94 DA-A	39 DA-B	78 DA-B	94 DA-A	39 DA-B	78 DA-B	94 DA-A
Trt-Eval Interval																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code									
1	SINBAR	80	WP	0.6 lb ai/a	12 oz/a		PRE	A	73	50	42	39	55	57	49	63	
1	KARMEX	80	WG	0.6 lb ai/a	12 oz/a		PRE	A									
1	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		PRE	A									
1	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		PRE	A									
2	SINBAR	80	WP	0.8 lb ai/a	16 oz/a		PRE	A	85	60	27	26	47	86	82	74	
2	KARMEX	80	WG	0.8 lb ai/a	16 oz/a		PRE	A									
2	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		PRE	A									
2	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		PRE	A									
3	SINBAR	80	WP	0.8 lb ai/a	16 oz/a		PRE	A	75	30	91	91	47	67	60	90	
3	KARMEX	80	WG	0.8 lb ai/a	16 oz/a		PRE	A									
3	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		PRE	A									
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		PRE	A									
3	SINBAR	80	WP	0.8 lb ai/a	16 oz/a		POST	B									
3	KARMEX	80	WG	0.8 lb ai/a	16 oz/a		POST	B									
3	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		POST	B									
3	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		POST	B									
4	SINBAR	80	WP	0.8 lb ai/a	16 oz/a		PRE	A	96	63	95	90	65	84	83	73	
4	KARMEX	80	WG	1.6 lb ai/a	32 oz/a		PRE	A									
4	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		PRE	A									
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		PRE	A									
4	SINBAR	80	WP	0.6 lb ai/a	12 oz/a		POST	B									
4	KARMEX	80	WG	1.2 lb ai/a	24 oz/a		POST	B									
4	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		POST	B									
4	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		POST	B									
5	SINBAR	80	WP	1.2 lb ai/a	24 oz/a		PRE	A	79	94	96	93	78	85	83	95	
5	KARMEX	80	WG	2.4 lb ai/a	48 oz/a		PRE	A									
5	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		PRE	A									
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		PRE	A									
5	SINBAR	80	WP	0.8 lb ai/a	16 oz/a		POST	B									
5	KARMEX	80	WG	1.6 lb ai/a	32 oz/a		POST	B									
5	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		POST	B									
5	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		POST	B									
6	SINBAR	80	WP	0.8 lb ai/a	16 oz/a		PRE	A	75	23	95	91	82	90	86	90	
6	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		PRE	A									
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		PRE	A									
6	SINBAR	80	WP	0.8 lb ai/a	16 oz/a		POST	B									
6	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		POST	B									
6	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		POST	B									
7	SINBAR	80	WP	1.6 lb ai/a	32 oz/a		PRE	A	95	83	97	93	73	87	88	93	
7	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		PRE	A									
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		PRE	A									
7	SINBAR	80	WP	1.6 lb ai/a	32 oz/a		POST	B									
7	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		POST	B									
7	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		POST	B									
8	SINBAR	80	WP	0.4 lb ai/a	8 oz/a		PRE	A	85	0	96	92	87	94	93	88	
8	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		PRE	A									
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		PRE	A									
8	SINBAR	80	WP	0.4 lb ai/a	8 oz/a		POST	B									
8	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		POST	B									
8	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		POST	B									
9	SINBAR	80	WP	0.4 lb ai/a	8 oz/a		PRE	A	48	3	87	87	72	76	75	93	
9	KARMEX	80	WG	0.4 lb ai/a	8 oz/a		PRE	A									
9	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		PRE	A									
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		PRE	A									
9	SINBAR	80	WP	0.4 lb ai/a	8 oz/a		POST	B									
9	KARMEX	80	WG	0.4 lb ai/a	8 oz/a		POST	B									
9	GRAMOXONE MAX	3	SL	0.94 lb ai/a	2.5 pt/a		POST	B									
9	ACTIVATOR 90	100	LIQ	0.25 % v/v	0.25 % v/v		POST	B									

## Sinbar and Sinbar Plus Diuron in Fruit Trees.

Project Code: 05-Sirles Location: Alto Pass, IL  
Investigator: Bryan Young

Weed Code								PANDI	PANDI	PANDI	PANDI	IPOSS	IPOSS	IPOSS	SIDSP		
Crop Code								Control	Control	Control	Control	Control	Control	Control	Control		
Rating Data Type								Percent	Percent	Percent	Percent	Percent	Percent	Percent	Percent		
Rating Unit								06-14-05	07-18-05	08-26-05	10-04-05	07-18-05	08-26-05	10-04-05	07-18-05		
Rating Date								60 DA-A	94 DA-A	39 DA-B	78 DA-B	94 DA-A	39 DA-B	78 DA-B	94 DA-A		
Trt-Eval Interval																	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Unit	Prod Rate	Prod Unit	Grow Stg	Appl Code								
10	SINBAR	80	WP	0.8	lb ai/a	16	oz/a	PRE	A	84	72	97	94	77	91	91	93
10	KARMEX	80	WG	0.8	lb ai/a	16	oz/a	PRE	A								
10	GRAMOXONE MAX	3	SL	0.94	lb ai/a	2.5	pt/a	PRE	A								
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	PRE	A								
10	SINBAR	80	WP	0.4	lb ai/a	8	oz/a	POST	B								
10	KARMEX	80	WG	0.4	lb ai/a	8	oz/a	POST	B								
10	GRAMOXONE MAX	3	SL	0.94	lb ai/a	2.5	pt/a	POST	B								
10	ACTIVATOR 90	100	LIQ	0.25	% v/v	0.25	% v/v	POST	B								
11	NONTREATED									0	0	0	0	0	0	0	0
LSD (P=.05)										25.6	25.6	18.2	17.0	27.1	16.3	20.8	34.2
Replicate F										6.845	0.959	2.360	4.228	0.443	3.423	2.607	3.035
Replicate Prob(F)										0.0054	0.4001	0.1201	0.0294	0.6481	0.0527	0.0986	0.0706
Treatment F										9.830	15.563	31.831	34.554	7.200	24.113	15.075	5.725
Treatment Prob(F)										0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0001	0.0005

## Trial Comments

1. Protocol: DuPont.
2. Ratings:  
For treatments with a single application; CI/WC 30, 60, 90 and 120 days after application.  
For treatments with sequential applications; CI/WC prior to the second application and at 30, 60, 90, and 120 days after the second application.
3. Application timings; PRE = spring (March/April), POST = Mid to late summer (June/July).
4. DA-A = Days after PREBUD application. DA-B = Days after POST application.  
Ratings on 7-18-05 at 94 DA-A were also 0 DA-B or at POST application.  
Ratings on 8-26-05 at 39 DA-B were also 133 DA-A for PRE only treatments.
5. It was not possible to rate plots at 120 days after the POST application as weeds in the nontreated plots were dying naturally.