



# North Carolina State University

## Application Placement Equipment for PGR Applications on Bahiagrass Roadsides

Trial ID: 03-D10  
Location: US220 Montgomery Cty

Study Dir.: Travis Gannon  
Investigator: Fred Yelverton

Crop Code Rating Data Type Rating Unit Rating Date ARM Action Codes # Subsamples, Dec.											PASNO PHYTO % 6-24-03	PASNO PHYTO % 7-29-03	PASNO PHYTO % 8-27-03	PASNO FOLIAR HT INCH 6-24-03				
Trt No.	Treatment Name	Form Conc	Form Type	Rate Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume								
1	Broadcast Application Plateau X-77	2	AS L	2 0.25	oz/a % v/v			MAY 19 MAY 19	A A	20 20	26.7	a-d	0.0	a	0.0	a	8.0	a
2	Weed Bug Plateau X-77	2	AS L	2 0.25	oz/a % v/v			MAY 19 MAY 19	A A	1 1	6.7	gh	0.0	a	0.0	a	8.0	a
3	Burch Wet Blade Plateau	2	AS	2	oz/a			MAY 19	A	1	25.0	a-e	0.0	a	0.0	a	8.0	a
4	Burch Wet Blade Plateau X-77	2	AS L	2 0.25	oz/a % v/v			MAY 19 MAY 19	A A	1 1	15.0	c-g	0.0	a	0.0	a	8.0	a
5	Brown Brush Monitor Plateau	2	AS	2	oz/a			MAY 19	A	13	11.7	e-h	0.0	a	0.0	a	8.0	a
6	Brown Brush Monitor Plateau X-77	2	AS L	2 0.25	oz/a % v/v			MAY 19 MAY 19	A A	13 13	20.0	b-g	0.0	a	0.0	a	8.0	a
7	Broadcast Application Plateau X-77	2	AS L	3 0.25	oz/a % v/v			MAY 19 MAY 19	A A	20 20	32.5	ab	0.0	a	0.0	a	8.0	a
8	Weed Bug Plateau X-77	2	AS L	3 0.25	oz/a % v/v			MAY 19 MAY 19	A A	1 1	18.3	b-g	0.0	a	0.0	a	8.0	a
9	Burch Wet Blade Plateau	2	AS	3	oz/a			MAY 19	A	1	26.7	a-d	0.0	a	0.0	a	8.0	a
10	Burch Wet Blade Plateau X-77	2	AS L	3 0.25	oz/a % v/v			MAY 19 MAY 19	A A	1 1	20.0	b-g	0.0	a	0.0	a	8.0	a
11	Brown Brush Monitor Plateau	2	AS	3	oz/a			MAY 19	A	13	21.7	a-f	0.0	a	0.0	a	8.0	a
12	Brown Brush Monitor Plateau X-77	2	AS L	3 0.25	oz/a % v/v			MAY 19 MAY 19	A A	13 13	18.3	b-g	0.0	a	0.0	a	8.0	a
13	Broadcast Application Plateau X-77	2	AS L	0.5 0.25	oz/a % v/v			MAY 19 MAY 19	A A	20 20	31.7	ab	6.7	a	0.0	a	8.0	a
14	Weed Bug Plateau X-77	2	AS L	0.5 0.25	oz/a % v/v			MAY 19 MAY 19	A A	1 1	16.7	c-g	0.0	a	0.0	a	8.0	a
15	Burch Wet Blade Plateau	2	AS	0.5	oz/a			MAY 19	A	1	25.0	a-e	0.0	a	0.0	a	8.0	a
16	Burch Wet Blade Plateau X-77	2	AS L	0.5 0.25	oz/a % v/v			MAY 19 MAY 19	A A	1 1	11.7	e-h	0.0	a	0.0	a	8.0	a
17	Brown Brush Monitor Plateau	2	AS	0.5	oz/a			MAY 19	A	13	15.0	c-g	0.0	a	0.0	a	8.0	a
18	Brown Brush Monitor Plateau X-77	2	AS L	0.5 0.25	oz/a % v/v			MAY 19 MAY 19	A A	13 13	11.7	e-h	0.0	a	0.0	a	8.0	a
19	Broadcast Application Oust X-77	75	DG L	0.5 0.25	oz/a % v/v			MAY 19 MAY 19	A A	20 20	35.0	a	0.0	a	0.0	a	8.0	a
20	Weed Bug Oust X-77	75	DG L	0.5 0.25	oz/a % v/v			MAY 19 MAY 19	A A	1 1	18.3	b-g	0.0	a	0.0	a	8.0	a
21	Burch Wet Blade Oust	75	DG	0.5	oz/a			MAY 19	A	1	13.3	d-h	0.0	a	0.0	a	8.0	a
22	Burch Wet Blade Oust X-77	75	DG L	0.5 0.25	oz/a % v/v			MAY 19 MAY 19	A A	1 1	8.3	fgh	0.0	a	0.0	a	8.0	a
23	Brown Brush Monitor Oust	75	DG	0.5	oz/a			MAY 19	A	13	28.3	abc	0.0	a	0.0	a	8.0	a



# North Carolina State University

## Application Placement Equipment for PGR Applications on Bahiagrass Roadsides

Trial ID: 03-D10  
 Location: US220 Montgomery Cty

Study Dir.: Travis Gannon  
 Investigator: Fred Yelverton

Crop Code											PASNO	PASNO	PASNO	PASNO
Rating Data Type											FOLIAR HT	FOLIAR HT	SD HD HT	SD HD HT
Rating Unit											INCH	INCH	INCH	INCH
Rating Date											7-29-03	8-27-03	6-24-03	7-29-03
ARM Action Codes														
# Subsamples, Dec.														
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume				
1	Broadcast Application Plateau X-77	2	AS L	2 oz/a	% v/v			MAY 19 A MAY 19 A	A	20 20	11.0 a	12.7 a		
2	Weed Bug Plateau X-77	2	AS L	2 oz/a	% v/v			MAY 19 A MAY 19 A	A	1 1	11.0 a	11.3 a		24.5 a
3	Burch Wet Blade Plateau	2	AS	2 oz/a				MAY 19 A	A	1	12.0 a	12.0 a		
4	Burch Wet Blade Plateau X-77	2	AS L	2 oz/a	% v/v			MAY 19 A MAY 19 A	A	1 1	12.3 a	15.0 a		26.0 a
5	Brown Brush Monitor Plateau	2	AS	2 oz/a				MAY 19 A	A	13	11.3 a	13.7 a		29.3 a
6	Brown Brush Monitor Plateau X-77	2	AS L	2 oz/a	% v/v			MAY 19 A MAY 19 A	A	13 13	9.3 a	14.0 a		
7	Broadcast Application Plateau X-77	2	AS L	3 oz/a	% v/v			MAY 19 A MAY 19 A	A	20 20	11.7 a	13.7 a		
8	Weed Bug Plateau X-77	2	AS L	3 oz/a	% v/v			MAY 19 A MAY 19 A	A	1 1	11.7 a	13.0 a		28.0 a
9	Burch Wet Blade Plateau	2	AS	3 oz/a				MAY 19 A	A	1	10.7 a	11.7 a		24.0 a
10	Burch Wet Blade Plateau X-77	2	AS L	3 oz/a	% v/v			MAY 19 A MAY 19 A	A	1 1	10.7 a	13.3 a		
11	Brown Brush Monitor Plateau	2	AS	3 oz/a				MAY 19 A	A	13	10.7 a	12.7 a		28.0 a
12	Brown Brush Monitor Plateau X-77	2	AS L	3 oz/a	% v/v			MAY 19 A MAY 19 A	A	13 13	11.0 a	12.3 a		24.0 a
13	Broadcast Application Plateau X-77	2	AS L	0.5 oz/a	% v/v			MAY 19 A MAY 19 A	A	20 20	13.3 a	14.7 a		28.0 a
14	Weed Bug Plateau X-77	2	AS L	0.5 oz/a	% v/v			MAY 19 A MAY 19 A	A	1 1	10.0 a	13.0 a		
15	Burch Wet Blade Plateau	2	AS	0.5 oz/a				MAY 19 A	A	1	10.0 a	14.3 a		25.3 a
16	Burch Wet Blade Plateau X-77	2	AS L	0.5 oz/a	% v/v			MAY 19 A MAY 19 A	A	1 1	12.0 a	13.0 a		29.3 a
17	Brown Brush Monitor Plateau	2	AS	0.5 oz/a				MAY 19 A	A	13	10.7 a	14.3 a		28.0 a
18	Brown Brush Monitor Plateau X-77	2	AS L	0.5 oz/a	% v/v			MAY 19 A MAY 19 A	A	13 13	10.3 a	13.0 a		28.0 a
19	Broadcast Application Oust X-77	75	DG L	0.5 oz/a	% v/v			MAY 19 A MAY 19 A	A	20 20	12.3 a	13.7 a		
20	Weed Bug Oust X-77	75	DG L	0.5 oz/a	% v/v			MAY 19 A MAY 19 A	A	1 1	15.3 a	13.7 a		28.0 a
21	Burch Wet Blade Oust	75	DG	0.5 oz/a				MAY 19 A	A	1	12.7 a	12.3 a		26.7 a
22	Burch Wet Blade Oust X-77	75	DG L	0.5 oz/a	% v/v			MAY 19 A MAY 19 A	A	1 1	13.3 a	13.0 a		26.7 a
23	Brown Brush Monitor Oust	75	DG	0.5 oz/a				MAY 19 A	A	13	11.0 a	12.3 a		



# North Carolina State University

## Application Placement Equipment for PGR Applications on Bahiagrass Roadsides

Trial ID: 03-D10  
Location: US220 Montgomery Cty

Study Dir.: Travis Gannon  
Investigator: Fred Yelverton

Crop Code											PASNO	PASNO	PASNO	PASNO	PASNO				
Rating Data Type											SD	HD	HT	SD	HD	SD	HD	SD	HD
Rating Unit											INCH	#/0.7FT <sup>2</sup>	#/0.7FT <sup>2</sup>	#/0.7FT <sup>2</sup>	#/0.7FT <sup>2</sup>	#/0.7FT <sup>2</sup>			
Rating Date											8-27-03	6-24-03	6-24-03	6-24-03	7-29-03				
ARM Action Codes																			
# Subsamples, Dec.																			
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume									
1	Broadcast Application Plateau X-77	2	AS L	2	oz/a % v/v			MAY 19 A MAY 19 A	A	20 20		0.0 a	0.0 a	0.0 a	0.0 a				
2	Weed Bug Plateau X-77	2	AS L	2	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	25.3 a-d	0.0 a	0.0 a	0.0 a	1.3 a				
3	Burch Wet Blade Plateau	2	AS	2	oz/a			MAY 19 A	A	1	25.0 a-d	0.0 a	0.0 a	0.0 a	0.0 a				
4	Burch Wet Blade Plateau X-77	2	AS L	2	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	24.0 bcd	0.0 a	0.0 a	0.0 a	0.3 a				
5	Brown Brush Monitor Plateau	2	AS	2	oz/a			MAY 19 A	A	13	27.0 abc	0.0 a	0.0 a	0.0 a	1.0 a				
6	Brown Brush Monitor Plateau X-77	2	AS L	2	oz/a % v/v			MAY 19 A MAY 19 A	A	13 13	26.0 abc	0.0 a	0.0 a	0.0 a	0.0 a				
7	Broadcast Application Plateau X-77	2	AS L	3	oz/a % v/v			MAY 19 A MAY 19 A	A	20 20	28.0 abc	0.0 a	0.0 a	0.0 a	0.0 a				
8	Weed Bug Plateau X-77	2	AS L	3	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	23.5 cd	0.0 a	0.0 a	0.0 a	0.3 a				
9	Burch Wet Blade Plateau	2	AS	3	oz/a			MAY 19 A	A	1	24.0 bcd	0.0 a	0.0 a	0.0 a	1.0 a				
10	Burch Wet Blade Plateau X-77	2	AS L	3	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1		0.0 a	0.0 a	0.0 a	0.0 a				
11	Brown Brush Monitor Plateau	2	AS	3	oz/a			MAY 19 A	A	13	27.3 abc	0.0 a	0.0 a	0.0 a	0.7 a				
12	Brown Brush Monitor Plateau X-77	2	AS L	3	oz/a % v/v			MAY 19 A MAY 19 A	A	13 13	29.3 ab	0.0 a	0.0 a	0.0 a	0.3 a				
13	Broadcast Application Plateau X-77	2	AS L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	20 20	26.7 abc	0.0 a	0.0 a	0.0 a	0.7 a				
14	Weed Bug Plateau X-77	2	AS L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	26.0 abc	0.0 a	0.0 a	0.0 a	0.0 a				
15	Burch Wet Blade Plateau	2	AS	0.5	oz/a			MAY 19 A	A	1	29.7 a	0.0 a	0.0 a	0.0 a	1.0 a				
16	Burch Wet Blade Plateau X-77	2	AS L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	28.3 abc	0.0 a	0.0 a	0.0 a	1.3 a				
17	Brown Brush Monitor Plateau	2	AS	0.5	oz/a			MAY 19 A	A	13	30.0 a	0.0 a	0.0 a	0.0 a	1.3 a				
18	Brown Brush Monitor Plateau X-77	2	AS L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	13 13	26.7 abc	0.0 a	0.0 a	0.0 a	0.3 a				
19	Broadcast Application Oust X-77	75	DG L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	20 20	20.0 d	0.0 a	0.0 a	0.0 a	0.0 a				
20	Weed Bug Oust X-77	75	DG L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	30.0 a	0.0 a	0.0 a	0.0 a	0.3 a				
21	Burch Wet Blade Oust	75	DG	0.5	oz/a			MAY 19 A	A	1	28.3 abc	0.0 a	0.0 a	0.0 a	0.7 a				
22	Burch Wet Blade Oust X-77	75	DG L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	29.3 ab	0.0 a	0.0 a	0.0 a	0.7 a				
23	Brown Brush Monitor Oust	75	DG	0.5	oz/a			MAY 19 A	A	13	29.0 ab	0.0 a	0.0 a	0.0 a	0.0 a				



# North Carolina State University

## Application Placement Equipment for PGR Applications on Bahiagrass Roadsides

Trial ID: 03-D10  
 Location: US220 Montgomery Cty

Study Dir.: Travis Gannon  
 Investigator: Fred Yelverton

Crop Code											PASNO	PASNO	PASNO	PASNO	PASNO
Rating Data Type											SD HD	SD HD	SD HD	SD HD	SD HD
Rating Unit											#/0.7FT <sup>2</sup>	#/0.7FT <sup>2</sup>	#/4.3FT <sup>2</sup>	#/ 7FT <sup>2</sup>	AVG SD HD
Rating Date											7-29-03	7-29-03	8-27-03	8-27-03	#/0.7FT <sup>2</sup>
ARM Action Codes															6-24-03
# Subsamples, Dec.															T1
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume					
1	Broadcast Application Plateau X-77	2	AS L	2 oz/a	% v/v			MAY 19 A		20	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a
2	Weed Bug Plateau X-77	2	AS L	2 oz/a	% v/v			MAY 19 A		1	0.0 a	0.0 a	2.7 a	1.3 a	0.0 a
3	Burch Wet Blade Plateau	2	AS	2 oz/a				MAY 19 A		1	0.0 a	0.0 a	1.3 a	1.3 a	0.0 a
4	Burch Wet Blade Plateau X-77	2	AS L	2 oz/a	% v/v			MAY 19 A		1	0.7 a	0.0 a	1.7 a	0.3 a	0.0 a
5	Brown Brush Monitor Plateau	2	AS	2 oz/a				MAY 19 A		13	2.0 a	2.3 a	2.3 a	2.3 a	0.0 a
6	Brown Brush Monitor Plateau X-77	2	AS L	2 oz/a	% v/v			MAY 19 A		13	0.0 a	0.0 a	4.0 a	1.7 a	0.0 a
7	Broadcast Application Plateau X-77	2	AS L	3 oz/a	% v/v			MAY 19 A		20	0.0 a	0.0 a	0.3 a	1.0 a	0.0 a
8	Weed Bug Plateau X-77	2	AS L	3 oz/a	% v/v			MAY 19 A		1	0.3 a	0.0 a	2.3 a	2.0 a	0.0 a
9	Burch Wet Blade Plateau	2	AS	3 oz/a				MAY 19 A		1	1.7 a	0.0 a	1.7 a	0.3 a	0.0 a
10	Burch Wet Blade Plateau X-77	2	AS L	3 oz/a	% v/v			MAY 19 A		1	0.0 a	0.0 a	0.0 a	0.0 a	0.0 a
11	Brown Brush Monitor Plateau	2	AS	3 oz/a				MAY 19 A		13	0.7 a	0.3 a	7.0 a	4.7 a	0.0 a
12	Brown Brush Monitor Plateau X-77	2	AS L	3 oz/a	% v/v			MAY 19 A		13	0.0 a	0.0 a	6.7 a	4.7 a	0.0 a
13	Broadcast Application Plateau X-77	2	AS L	0.5 oz/a	% v/v			MAY 19 A		20	0.3 a	0.0 a	3.3 a	3.3 a	0.0 a
14	Weed Bug Plateau X-77	2	AS L	0.5 oz/a	% v/v			MAY 19 A		1	0.0 a	0.0 a	1.3 a	1.7 a	0.0 a
15	Burch Wet Blade Plateau	2	AS	0.5 oz/a				MAY 19 A		1	0.3 a	0.3 a	2.7 a	3.7 a	0.0 a
16	Burch Wet Blade Plateau X-77	2	AS L	0.5 oz/a	% v/v			MAY 19 A		1	1.3 a	0.7 a	4.0 a	3.3 a	0.0 a
17	Brown Brush Monitor Plateau	2	AS	0.5 oz/a				MAY 19 A		13	2.3 a	0.0 a	4.0 a	4.3 a	0.0 a
18	Brown Brush Monitor Plateau X-77	2	AS L	0.5 oz/a	% v/v			MAY 19 A		13	0.3 a	0.0 a	5.7 a	3.0 a	0.0 a
19	Broadcast Application Oust X-77	75	DG L	0.5 oz/a	% v/v			MAY 19 A		20	0.0 a	0.0 a	0.7 a	0.0 a	0.0 a
20	Weed Bug Oust X-77	75	DG L	0.5 oz/a	% v/v			MAY 19 A		1	0.0 a	0.0 a	1.0 a	1.7 a	0.0 a
21	Burch Wet Blade Oust	75	DG	0.5 oz/a				MAY 19 A		1	0.7 a	1.3 a	4.3 a	1.7 a	0.0 a
22	Burch Wet Blade Oust X-77	75	DG L	0.5 oz/a	% v/v			MAY 19 A		1	1.0 a	1.0 a	2.0 a	5.0 a	0.0 a
23	Brown Brush Monitor Oust	75	DG	0.5 oz/a				MAY 19 A		13	0.0 a	0.0 a	3.0 a	1.3 a	0.0 a



# North Carolina State University

## Application Placement Equipment for PGR Applications on Bahiagrass Roadsides

Trial ID: 03-D10  
 Location: US220 Montgomery Cty

Study Dir.: Travis Gannon  
 Investigator: Fred Yelverton

Crop Code											PASNO	
Rating Data Type											AVG SD HD	
Rating Unit											#/0.7FT <sup>2</sup>	
Rating Date											7-29-03	
ARM Action Codes											8-27-03	
# Subsamples, Dec.											T2	
											T3	
Trt No.	Treatment Name	Form Conc	Form Type	Rate	Rate Unit	Product Rate	Product Rate Unit	Grow Stg	Appl Code	Spray Volume		
1	Broadcast Application Plateau X-77	2	AS L	2	oz/a % v/v			MAY 19 A MAY 19 A	A	20 20	0.0 d	0.0 a
2	Weed Bug Plateau X-77	2	AS L	2	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	0.4 cd	2.0 a
3	Burch Wet Blade Plateau	2	AS	2	oz/a			MAY 19 A	A	1	0.0 d	1.3 a
4	Burch Wet Blade Plateau X-77	2	AS L	2	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	0.3 cd	1.0 a
5	Brown Brush Monitor Plateau	2	AS	2	oz/a			MAY 19 A	A	13	1.8 a	2.3 a
6	Brown Brush Monitor Plateau X-77	2	AS L	2	oz/a % v/v			MAY 19 A MAY 19 A	A	13 13	0.0 d	2.8 a
7	Broadcast Application Plateau X-77	2	AS L	3	oz/a % v/v			MAY 19 A MAY 19 A	A	20 20	0.0 d	0.7 a
8	Weed Bug Plateau X-77	2	AS L	3	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	0.2 cd	2.2 a
9	Burch Wet Blade Plateau	2	AS	3	oz/a			MAY 19 A	A	1	0.9 a-d	1.0 a
10	Burch Wet Blade Plateau X-77	2	AS L	3	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	0.0 d	0.0 a
11	Brown Brush Monitor Plateau	2	AS	3	oz/a			MAY 19 A	A	13	0.6 bcd	5.8 a
12	Brown Brush Monitor Plateau X-77	2	AS L	3	oz/a % v/v			MAY 19 A MAY 19 A	A	13 13	0.1 cd	5.7 a
13	Broadcast Application Plateau X-77	2	AS L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	20 20	0.3 cd	3.3 a
14	Weed Bug Plateau X-77	2	AS L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	0.0 d	1.5 a
15	Burch Wet Blade Plateau	2	AS	0.5	oz/a			MAY 19 A	A	1	0.6 bcd	3.2 a
16	Burch Wet Blade Plateau X-77	2	AS L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	1.1 a-d	3.7 a
17	Brown Brush Monitor Plateau	2	AS	0.5	oz/a			MAY 19 A	A	13	1.2 abc	4.2 a
18	Brown Brush Monitor Plateau X-77	2	AS L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	13 13	0.2 cd	4.3 a
19	Broadcast Application Oust X-77	75	DG L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	20 20	0.0 d	0.3 a
20	Weed Bug Oust X-77	75	DG L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	0.1 cd	1.3 a
21	Burch Wet Blade Oust	75	DG	0.5	oz/a			MAY 19 A	A	1	0.9 a-d	3.0 a
22	Burch Wet Blade Oust X-77	75	DG L	0.5	oz/a % v/v			MAY 19 A MAY 19 A	A	1 1	0.9 a-d	3.5 a
23	Brown Brush Monitor Oust	75	DG	0.5	oz/a			MAY 19 A	A	13	0.0 d	2.2 a

