2006
GREEN FLATSEDGE CONTROL
Victoria County

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Green Flatsedge (*Cyperus virens*) is a perennial sedge that is overtaking large acreages of pasture and rangeland in Victoria County. The purpose of this study is to evaluate various herbicides and application rates for control of Green Flatsedge.

A heavily infested area of Green Flatsedge was treated with various rates of pasture and experimental herbicides on June 9, 2006. Individual plot sizes were 10' x 20' and each treatment was replicated three times. The applications were made using a handheld CO_2 pressurized 10' spray boom applied at 20 gallons of water/acre and 3 mph using 11003 DG TeeJet tips. Dyne-A-Pak spray adjuvant was used with all treatments at a rate of 1% by volume. The Green Flatsedge was approximately 36" in height at treatment. Plots were evaluated at 30, 60, 90, and 141 days after treatment.

Green Flatsedge Control

			Percent Burndown				Percent Kill
Plot	Treatment	Rate	7/8/2006	8/11/2006	9/8/2006	10/29/2006	10/29/2006
1	Permit	1 OZ/A	7	22	38	15	0
2	Permit	2 OZ/A	10	27	37	40	2
3	Permit	3 OZ/A	7	28	43	37	0
4	Permit Dicamba	1 OZ/A 0.5 PT/A	17	27	27	13	0
5	Permit Dicamba	1 OZ/A 1 PT/A	20	33	35	28	0
6	Dicamba	0.5 PT/A	8	8	15	8	0
7	Dicamba	1 PT/A	22	30	42	42	5
8	Untreated		0	0	0	0	0
9	Weedmaster	2 QT/A	78	92	92	96	78
10	Outrider	1 OZ/A	8	45	48	53	2
11	Outrider	1.5 OZ/A	10	37	42	60	2
12	Outrider	2 OZ/A	8	28	40	60	2

Weedmaster at the 2 QT/A rate was the only treatment that showed significant control, with 96% burndown and 78% kill at the last rating, 141 days after treatment. Weedmaster herbicide at this rate costs $12.87/acre. All other treatments showed various percentages of burndown, but with no acceptable percent kill. It should be noted that both Permit and Outrider are highly effective on several other sedge species. Green Flatsedge can be controlled with conventional pasture herbicides when applied at a high rate of product per acre. Further studies may reveal additional herbicides which can provide equal or better control.