Rangeland Weed Management With Herbicides
Cooperators: Gail Brady, Rick Abrahamson, Joe Ed Lynn
Sam Womble, Anthony Netardus, and Phillip Shackelford - County Extension Agents in Victoria, DeWitt and Austin counties
Wayne Hanselka - Extension Range Specialist
Larry Falconer - Extension Economist

County	Date Applied
Jim Wells County	June 19, 2006
Victoria County	June 28, 2006
DeWitt County	June 29, 2006
Austin County	June 29, 2006
Application - tractor w/boom sprayer	
Plot Size - 20' x 170'	
Carrier - water + .25% Activator	
Pressure - 25 psi	

Treatments

Plots	Herbicide	Rates	Cost / Acre
1.	Ally	0.5 oz/ac	$11.50
	Glean	0.32 oz/ac	$5.12
	Tordon	2.0 oz/ac	$1.52
			$18.14
2.	Ally	1.0 oz/ac	$23.00
	Glean	0.64 oz/ac	$10.24
	Tordon	4.0 oz/ac	$3.04
			$36.28
3.	Ally	0.5 oz/ac	$11.50
	Glean	0.3 oz/ac	$4.80
	Milestone	1.5 oz/ac	$3.71
			$20.01
4.	Ally	1.0 oz/ac	$23.00
	Glean	0.64 oz/ac	$10.24
	Milestone	1.5 oz/ac	$3.71
			$36.95
5.	Milestone	3.0 oz/ac	$7.41
6.	Milestone	5.0 oz/ac	$12.35
7.	Forefront	1.5 pt/ac	$9.57
8.	Forefront	2.0 pt./ac	$12.76
9.	2, 4, - D	4 pt/ac	$6.00
10.	Grazon P+D	2 pt/ac	$7.76
11.	Grazon P+D	3 pt/ac	$11.64

Victoria and DeWitt county plots were evaluated on Thursday, September 7th approximately 9 weeks post treatment.

Effect of Herbicide On Selected Weed Species

	% Decrease In Population								
	Croton			**Western Ragweed**			**Annual Broomweed**		
	Austin County	**Victoria County**	$\bar{x}$	**Austin Cty**	**Victoria Cty**	$\bar{x}$	**Austin County**	**Victoria County**	$\bar{x}$
Plot 1	100	100	100	95	75	85	100	75	88
2	100	100	100	95	75	85	100	80	90
3	100	100	100	100	85	93	100	50	75
4	100	100	100	85	98	92	100	85	93
5	100	70	85	100	100	100	100	100	100
6	90	70	80	90	90	90	100	100	100
7	100	70	85	90	98	94	100	100	100
8	100	100	100	100	95	98	100	100	100
9	100	100	100	100	98	99	100	25	63
10	100	100	100	100	90	95	100	98	99
11	100	98	99	100	100	100	100	100	100

Effects of Herbicides on Silverleaf Nightshade

	% Topkill Mature Plants			% Decrease In New Plants		
Plot	**Jim Wells County**	**DeWitt County**	$\bar{x}$	**Jim Wells County**	**DeWitt County**	$\bar{x}$
1	20	25	23	90	80	85
2	20	25	23	90	80	85
3	20	10	15	20	10	15
4	10	10	10	10	10	10
5	10	5	8	5	5	5
6	10	10	10	70	80	75
7	100	95	98	85	80	83
8	90	80	85	95	80	88
9	5	0	3	80	75	78
10	95	100	98	90	100	98
11	95	100	98	95	90	93

*** Most had basal sprouts**