EVALUATION OF VARIOUS PRODUCTS FOR CONTROLLING LITTLE MALLOW ON RANGELAND

Ray Smith, Cooperator (2005)
Joe D. Janak, Jr., Sam Womble, Dr. Wayne Hanselka, County Extension Agent - Ag/NR, County Extension Agent - NR, Extension Range Specialist, respectively
Victoria County

SUMMARY:

Little mallow (*malva parviflora*) also known as cheeseweed, is a winter annual that has been a nuisance to a particular Southeastern Victoria County rancher. The weed was first noticed in 2000 and identified by Extension specialists. Little mallow prefers to thrive in damp, moist conditions but can be found growing almost anywhere. This invasive weed is extremely challenging to control. It has the potential to significantly reduce grazable acres robbing livestock of valuable forage. If little mallow can successfully be controlled, producers should notice a large increase in forage availability and quality.

OBJECTIVE:

To evaluate various herbicide treatments and rates for their efficacy in controlling dense, undisturbed stands of little mallow.

MATERIALS and METHODS:

Six adjoining approximately one-third acre plots (40x350') were treated on June 29, 2005. 8004XR nozzles were used to apply 20 gallons of water per acre at 30 psi. Travel speed at application was 4 mph. The treatments included:

1.	Grazon P+D	2 qt.
2.	Weedmaster	2 qt.
3.	Redeem	2 qt.
4.	Cimarron Max	1 oz. Ally + 2 qt. Weedmaster
5.	Surmount	2 qt.
6.	Pasture Guard	2 qt.

Surfactant was added to each treatment at 0.25%. Treatments were calculated on an acre basis.

RESULTS and DISCUSSIONS:

An evaluation of the plot was conducted on July 26, 2005. Preliminary results look promising. Weedmaster, Surmount, and Cimarron Max (Rate 3) look the best with 85 and 95 percent control. See Table 1. It should be noticed that all treatments show signs of initial burn back and knock down. A more detailed and complete evaluation will be conducted in 2006.

Table 1. Evaluation of various products for controlling Little Mallow on rangeland. Ray Smith, Cooperator. Victoria County, TX.

Treatment	Rate/AC	% Control
Grazon P+D	2 qt.	80
Weedmaster	2 qt.	85
Redeem	2 qt.	65
Cimarron Max	1 oz. Ally + 2 qt Weedmaster	95
Surmount	3 pt.	85
Pasture Guard	4 pt.	80

ACKNOWLEDGMENTS:

Appreciation is expressed to Rudy Alaniz, Mike Hiller, and Clint Livingston, Extension Farm Demonstration Assistants, Dr. Wayne Hanselka, Extension Range Specialist and Ray Smith, cooperator.

DISCLAIMER CLAUSE:

Trade names of commercial products used in this report are included only for better understanding and clarity. Reference to commercial products or trade names is made with the understanding that no discrimination is intended and no endorsement by the Texas A&M University is implied. Readers should realize that results from one experiment do not represent conclusive evidence that the same response would occur where conditions vary.