



Result Demonstration Report

2013

A Comparison of Multiple Rates of Sendero with Remedy+Reclaim for IPT Mesquite Control

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SUMMARY

Mesquite is native to Texas, where there are three major species and four varieties. Honey mesquite and western honey mesquite tend to be the most common varieties in our region. Branches and trunks from large plants have practical uses such as fence posts, firewood and furniture, but high densities of small plants are generally considered undesirable. Dense brush competes with forage plants for water, light and nutrients and may also discourage livestock from using pastures.

OBJECTIVE

Sendero herbicide was introduced in 2012 as a single-container product for foliar application on mesquite. The active ingredients are aminopyralid and clopyralid.

The objective was to compare three rates of Sendero with recommended rate of Remedy +Reclaim for mesquite foliar IPT application to determine the most efficacious rate of Sendero and if it provides control comparable to Remedy + Reclaim.

MATERIALS AND METHODS

All applications were made with a backpack sprayer and wand fitted with ConeJetX8 adjustable nozzle on June 21, 2012 in Glasscock County. Most of the beans were brown and the soil was dry at time of application.

RESULTS & DISCUSSION

Glasscock County plots were evaluated 30 days after treatment (DAT) and 1 year after treatment (YAT) (Table 1.). All trees in all treatments were almost entirely defoliated and any remaining leaves were yellow when evaluated 30 DAT. Apparent mortality 1 YAT was very high for all treatments.

Table 1. Foliar IPT for Mesquite Control, McDowell Ranch, Glasscock County.

Plot No.	Herbicide and Formulation	Rate	Material/Plot	# Plants Treated	Apparent Mortality		
					30 DAT	1 YAT	2 YAT
1	Sendero + MSO	0.5%+1% v/v	1.92oz.+ 3.84 oz.	57	100	100	
2	Sendero + MSO	0.75%+1% v/v	2.88 oz.+ 3.84 oz.	70	100	100	
3	Sendero + MSO	1%+1% v/v	3.84 oz. + 3.84 oz	46	100	98	
4	Remedy+Reclaim + MSO	0.5%+0.5%+1%	1.92oz. + 1.92 oz.+ 3.84 oz.	43	100	95	

Another evaluation will be conducted in 2014 and results will be submitted in a final report.

ACKNOWLEDGEMENTS

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