

**Invora Huisache Cut-Stump Treatments
Final Report**

Atascosa County

Cooperators:

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Summary

Three rates of Invora and one rate of Remedy Ultra were used to treat huisache using the cut-stump method. At two years post-treatment, all treatments exhibited 90 to 100% plant-mortality.

Objective

The purpose of this project was to investigate Invora cut-stump rates applied in water for huisache control.

Materials and Methods

Treatments were established in Atascosa County. Ten plants per treatment were cut close to ground level using a Sthil Brush Cutter, sprayed immediately after cutting covering the entire cut-surface and bark to ground-line, and then tagged for evaluation. Herbicide mixtures were applied with a one-quart plastic spray bottle. All Invora treatments included Dyne-Amic surfactant at 1% and Hi-Light Blue dye at 0.25% in water. Remedy Ultra was mixed in diesel including Hi-Light Blue Dye at 1 oz/gallon.

Results and Discussion

Application conditions are shown in Table 1. Herbicide treatments, rates, apparent plant-mortality, plant information, and spray-volumes used are shown in Table 2.

Table 1. Application conditions.

Air temperature, F	91
Relative humidity, %	59
Windspeed/direction	1.9 SE

Table 2. Treatments, herbicide combinations and rates and apparent plant-mortality.

Herbicide (s) and Rate	Average Number Stems Treated per Plant	Stem Diameter, inches	Total Spray Volume Used, oz	Apparent Plant Mortality, %	
				Year One	Year Two
Invora, 6%	3	0.25-1.5	17	100	90
Invora, 8%	2	0.25-1.5	12	100	100
Invora, 10%	4	0.25-1.5	15	100	100
Remedy Ultra, 15%	4	0.25-1.5	10	100	90

Conclusions

At one-year post-treatment, all treatments exhibited 100% plant mortality. At year two, some resprouting was observed in the 6% Invora and 15% Remedy Ultra treatments; however, these treatments still exhibited 90% apparent plant-mortality.

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