

Invora Huisache Cut-Stump Treatments Progress 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 one-year post-treatment, all treatments exhibited 100% plant-mortality. Final evaluations will be conducted in 2023.

Objective

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

Materials and Methods

Treatments were established in Atascosa County. Plants were cut close to ground level using a Stihl Brush Cutter. 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, and other information 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.

Treatment & Tag Numbers	Herbicide (s) and Rate	Average Number Stems Treated per Plant	Stem Diameter, inches	Total Spray Volume Used, oz	Apparent Plant Mortality, %
					One Year
1: 841-850	Invora, 6%	3	0.25-1.5	17	100
2: 851-860	Invora, 8%	2	0.25-1.5	12	100
3: 861-870	Invora, 10%	4	0.25-1.5	15	100
4: 871-880	Remedy Ultra, 15%	4	0.25-1.5	10	100

Conclusions

At one-year post-treatment, all treatments exhibited 100% plant mortality. Final evaluations will be conducted in 2023.

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