



Texas Agricultural Extension Service  
The Texas A&M University System

# Result Demonstration Report

## EVALUATION OF VARIOUS PRODUCTS FOR BINDWEED CONTROL

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**SUMMARY:** Following fall treatment, good control was achieved with Banvel, Banvel + Tordon, and Landmaster BW. However, by August, only the Banvel + Tordon treatment at a rate of 1 pt of each product per acre was giving 70% control of bindweed. Cost for the chemical of this treatment was \$20.40/Ac. Most economical treatment was Landmaster BW 54 oz/Ac at a cost of \$8.20/Ac. Landmaster BW maintained bindweed control at above 50% through August of the following year.

**INTRODUCTION & OBJECTIVE:** Bindweed continues to be one of the most difficult to control weeds on the High Plains. The purpose of this study was to examine the control of bindweed for one year following a single application of herbicide in the fall.

**METHODS & MATERIALS:** Applications was made on October 9, 1996 to actively growing bindweed. Each treatment was replicated four times in plots measuring 15 by 25 feet. All treatments were applied in 10 gallons of water per acre using standard flat fan nozzles. Bindweed control was evaluated periodically for one year. Plots were plowed as needed during the year.

RESULTS: See Table.

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**Bindweed Control Over a One Year Period Following a Fall Herbicide Application**

Treatment	Rate Product/Ac	Cost \$/Ac <sup>1)</sup>	% Bindweed Control			
			10-24-96	5-13-97	8-21-97	10-20-97
Banvel	1 pt	9.00	44	85	16	3
Banvel	2 pt	18.00	60	96	30	16
Banvel + Tordon	1 pt + 1 pt	20.40	54	99	74	55
Banvel + Tordon	0.5 pt + 0.5 pt	10.20	44	98	50	16
Landmaster BW	54 oz	8.20	58	86	56	30
HiDep	1 pt	2.80	45	70	13	5
HeDep	2 pt	5.60	43	58	28	3

<sup>1)</sup>Cost is for herbicide only and does not include application cost.

**ANALYSIS & CONCLUSION:** Bindweed control two weeks after application was approximately 50% with all treatments. By spring, control was greater than 80% when Banvel, Banvel + Tordon, or Landmaster BW was used. Control with HiDep was less than 50%. When plots were evaluated in late August control had dropped in all treatments. However, control with Banvel + Tordon using 1 pt/Ac of each product was still giving better than 70% control. The cost of this treatment was over \$20 an acre making it only affordable as a spot treatment. In this study, Landmaster BW gave the best control of bindweed for the least cost.