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Weed control with an all-terrain-vehicle

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Three herbicide application accessories have been designed and fabricated for use with three-wheeled all-terrain vehicles. There are two principle project objectives: 1) To develop herbicide application equipment that can easily get to the weeds even when they exist on rough terrain; 2) to make the equipment easy to use and accurate to avoid misapplication of herbicides.

Accessory	Treatment		
	Mount position	Powered by:	Pattern width
Granular Applicator	Rear rack	Drive wheel on rear tire	10-12 ft.*
Double CDA	Rear rack	12V Battery	12.0 ft.
Single CDA	Rear rack	12V Battery	6.7 ft.
Rope wick (wedge)	Front	Gravity feed	4.0 ft.

*Pattern width varies with speed.

The accessories will be tested next year in the field for efficacy on weeds.