



"It's a simple, safe way to kill gophers and works fast," says Bill Enderson. His 4-wheeled machine comes with two 25-ft. hoses that pump out carbon monoxide.

## "Gopher Gasser" Pumps Exhaust Out 2 Hoses At Once

"Our new cart-mounted Rascal Eradicator uses carbon monoxide to kill gophers, prairie dogs and other burrowing rodents quickly and safely. It's simple, safe to use, and works fast," says Bill Enderson, Fort Lupton, Colo.

The 4-wheeled machine rides on 10-in. pneumatic tires and is about the size of a red wagon. The cart comes with a big, adjustable U-shaped handle on one end and a hose rack on the other.

The unit comes with two 25-ft. long hoses and uses an easy-start Briggs & Stratton 4-cycle gas engine. You just place the hose into the open hole, pack soil around the opening to seal the burrow, and start the engine. The carbon monoxide that's produced quietly puts the animal to sleep as it fills the burrow.

"It doesn't use poisons that can kill other animals and pets, and it doesn't cause explosions that can disturb large areas of land," says Enderson. "The carbon monoxide goes directly into a patented resonance chamber where it cools off before entering the hoses, and the volume of sound is reduced so it runs quiet. We call it the 'cool, calm carbon monoxide delivery system'."

The cart makes it easy to move from hole to hole, he says, and with both hoses you can easily cover a 50-ft. radius. He recommends running the engine for 7 to 10 min. per hole. "Using both hoses at the same time doubles the efficiency," says Enderson.



Engine exhaust goes into a patented resonance chamber that mutes the sound and feeds both hoses.

He says the machine has been field-tested for more than 2 years and is almost overengineered. "We know from experience what's out there, and we want our machine to last for our customers. We figure it costs less than \$3 per hour to operate."

Options include a 50-ft. hose, specialized nozzles for different burrow types, and a hitch designed to pull the cart behind an ATV. The Rascal Eradicator sells for \$2,600 plus S&H.

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New 2-WD scooter has an electric motor in each wheel, and a big lithium ion battery that can also be used as a mobile power station. It has a 75-mile range.

## 2-WD, Electric-Powered Scooter

"Electric scooters have been around for years, but our new UBCO is 2-WD with many other state-of-the-art features. It's built rugged and can climb hills and go through mud and snow that a dirt bike could never handle. And its 75-mile range is top of its class performance," says director of sales Robin Fiore, UBCO Bikes U.S., Eugene, Oregon. He introduced the machine at the recent World Ag Expo in Tulare, Calif.

The dual electric drive scooter has a 1 kW flux drive DC electric motor in each wheel, and a 48Ah lithium ion battery that fills in the space where an engine would normally sit. The big battery can also be used as a mobile power station to operate or recharge everything from cordless tools to smart phones.

The scooter has a step-through frame and weighs only 139 lbs., making it easy to lift and handle. It's suitable for both on and off-road travel and has a top speed of 30 mph. The scooter comes from New Zealand, and Fiore recently joined the North American distributor. He previously worked with Honda motorcycles.

"Honda has great products, but I left there because I recognized what a huge leap UBCO has over the competition," says Fiore. "This machine cut its teeth with New Zealand dairy farmers, where they graze cows on hilly pasture land, and I figured that if it stood up to their conditions it would here, too. As with any electric scooter it has no clutch, drivetrain, emissions, or noise. Ranchers love it because it won't disturb animals when they check on them."

But he says the UBCO has a lot of other features that farmers and ranchers will like. "With a motor in both wheels you get instant torque and great traction, which means access to places where a car, truck, 4-wheeler, or dirt bike can't go." The motors are powered independently and not connected mechanically. They're double-sealed to hold up to dust and moisture.

Fiore says the scooter's 75-mile range is about 3 times more than most competitors. "That's huge for ranchers who have fields and pastures spread miles apart. The great range is due to the combination of a very large battery and innovative battery management software."

The battery system is equipped with a battery charging port, a 12-volt outlet to power cordless tools, and a pair of USB ports to charge your phone and other handheld devices.

The scooter is also easy to accessorize, with 19 accessory lugs placed across its frame.

The UBCO scooter has a retail price of \$6,999. The machine comes with a 1-year warranty and a 2-year battery warranty.

"The price may sound high to some people, but I emphasize the scooter's great traction, ability to go just about anywhere, and low cost of ownership," says Fiore. "It has an estimated operating cost of less than 70 cents per 75 mile. And it comes with a 17-digit VIN which makes it street legal in all 50 states."

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## Conveyor Belt "Ear Savers"

"I wanted to keep ears of corn from rolling off the snouts on my Deere combine back to the ground, so I bolted short lengths of old conveyor belting onto them. It's a simple idea that really pays off," says David Smith, Crystal Falls, Mich.

Smith uses the idea on his Deere 6600 4-row combine. He started with some 12-in. wide conveyor belting from an old iron mining operation that a friend gave him. He used a utility knife to cut the belting into sections about 1 ft. long by 5 in. wide, then bolted 3 sections side by side about halfway down each snout using existing holes.

"The belting came slightly cup-shaped, and I set the curved side toward the auger in order to feed loose ears back into the gathering chains. It works good and cost almost nothing to add," notes Smith.

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Short lengths of conveyor belting bolted onto snouts keep ears of corn from falling to the ground.

Some of the best new ideas we hear about are "made it myself" inventions born in farmers' workshops. If you've got a new idea or favorite gadget you're proud of, we'd like to hear about it. Send along a photo or two, and a description of what it is and how it works. Is it being manufactured commercially? If so where can interested farmers buy it? Are you looking for manufacturers, dealers or distributors? Send to FARM SHOW, P.O. Box 1029, Lakeville, Minn. 55044 or call toll-free 800 834-9665. Or you can submit an idea at our website at [www.farmshow.com](http://www.farmshow.com). Or text us at 952 465-5019.

Mark Newhall, Editor

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