



Ashton mounted a stump grinder on front of a New Idea Uni Harvester power unit.



Stump grinder is equipped with carbide-tipped teeth.

## Self-Propelled 8-Ft. Wide Stump Grinder

You can't buy a machine like the one Ken Ashton built unless you want to spend really big money. His 8-ft. wide self-propelled stump grinder wasn't cheap but it clears land fast.

The Bothwell, Ontario, man built the big machine after buying a farm that had second growth trees and brush on 30 acres that he wanted to farm.

"I could have bought a similar machine that would mount on the 3-pt. hitch of a 150 hp tractor," Ashton explains. "But the tractor needed to have creeper gears and it was also a large investment. When I found out that I

could buy carbide-tipped teeth for a stump grinder, I decided to build a grinder myself."

After paying \$16,000 for a used New Idea Uni Harvester power unit, Ashton says a large gear box and the carbide teeth were his biggest investment, at about \$5,500 for both. The rest of the materials were easily obtained from his regular steel supplier, he says.

The Uni came equipped with a 175 hp Allis Chalmers engine, which has plenty of power to run the stump grinder, according to Ashton. The hydrostatic drive allows the slow speeds needed to run the machine and lets him shift from forward to reverse very easily.

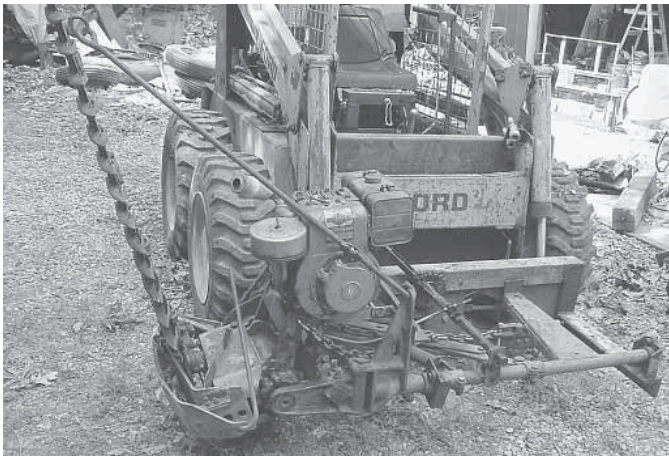
"To clear the 30 acres, we started by cutting the trees down by hand with a chainsaw at ground level, piling them with a backhoe and then burning them. The remaining stumps were up to 14 in. across," he explains. "Then, with the stump grinder, we found that a 14-in. stump could be removed in two or three minutes. Anything under 4 in. usually only required a slight reduction in the 1 1/2 mph forward speed. The grinder has maximum working depth (below ground) of 8 in., but Ashton operated at a 6-in. level. Even though some debris is left, one pass with a one-way disk was enough to plant the field."

Once Ashton was finished his own clearing project, he did several acres of custom work, removing stumps left by the removal of Christmas trees.

He now only uses the unit occasionally to clear fence lines, and says he plans to sell it.

"It was a worthwhile project that took only about two months to build," he says.

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"It works great for mowing roadsides and other tight spots a tractor can't get into," says Chuck Smith, who mounted an old sicklebar mower on front of his skid loader.

## Skid Steer Loader Powers Sicklebar Mower

"I took an old Allis Chalmers sicklebar mower and made a few changes so I can mount it on front of my skid loader," says Chuck Smith of Attica, Ind.

The unit works great to mow roadsides that Smith couldn't previously get to with a riding mower, and other tight spots where he can't get a tractor into.

He bought the original sicklebar mower for only \$50 at an auction. When Smith was finished, he had a detachable unit that will cut tall grass or small trees at a variety of heights.

"First, I made an angle iron frame to fit the loader," Smith explains. "The mower had been mounted on a two-wheel trailer, so I removed everything except for the 7-ft. sicklebar, and the gearbox. Then I bought a used 8 hp gas Briggs engine for \$40 and mounted a 6:1 gear reducer off an old lawn mower before making an adjustable frame on the sickle bar to mount the motor on."

The adjustable frame is what allows Smith to tension the belt. It folds up "similar to a

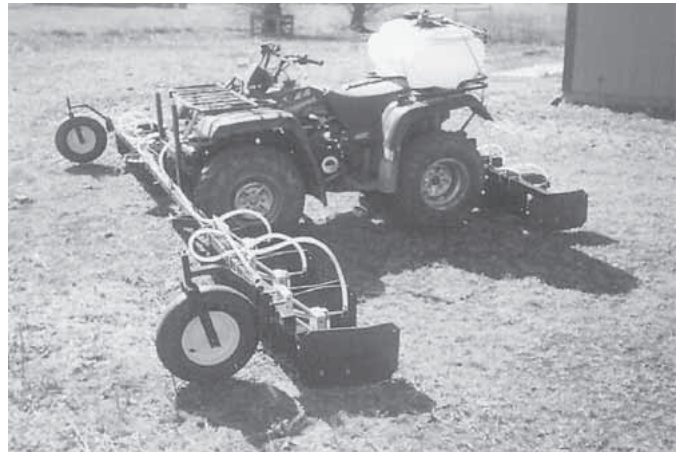
coffee table hinge" and has a control lever with different notches for various settings.

The resulting 48 hp mower sticks out to the right side of loader and has a pivot point at the gearbox, so it'll fold up vertical for transport or storage. A rod holds it in place.

"To detach the mower, you just flip a lever and set it down," Smith says. "I spent about \$125 on this project in total. At the time I was working on it, I didn't have auxiliary hydraulics control on my loader, but you could make this mower hydraulic-driven if you wanted to."

Thanks to several other attachments he's modified for use with his skid loader, Smith has made the rig into a very versatile unit. He already has a set of forks and two buckets, and is currently working on a backhoe attachment.

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Your ATV can become a row crop sprayer when you equip it with front and rear-mount booms and shielded spray units, says Agriweld, Inc., Monmouth, Oregon.

## Convert Your ATV Into A Heavy Duty Sprayer

You can convert your 4-wheel ATV into a row crop sprayer - equipped with both front and rear-mount booms and with shielded spray units - with a kit from Agriweld, Inc., Monmouth, Oregon.

The RS 704 toolbar is designed for use as a "between the row sprayer" to spray chemicals, primarily glyphosates, between crop rows. Adjustable width shields protect the plants from direct contact with the spray.

The sprayer unit consists of a 10-ft. length of 2-in. sq. tubing that mounts on front of an ATV for planting widths of less than 10 ft. Gauge wheels at each end allow the boom to follow uneven ground contours.

A three-piece bar is available that covers up to a 15-ft. width. The three-piece bar has fold-up wings that mount on front of the ATV and a boom on back that covers the center rows.

Shields are available for row widths from 10 to 30 in. Units for raised beds or irregular crops are also available, and custom toolbars



Three-piece bar has fold-up wings that mount on front of ATV. Boom on back covers the center rows.

and mounting systems can be built. The sprayer unit can also be installed on a small row crop tractor.

Contact: FARM SHOW Followup, Agriweld, Inc., 13000 S. Pacific Hwy. W., Monmouth, Oregon 97361 (ph 503 838-3960; fax 503 838-0959; info@agriweld.com; www.agriweld.com).