

Amazing ATV Tree Saw

By Bill Gergen, Senior Editor

We almost couldn't believe our eyes when we saw this new ATV-mounted tree saw in action. The ATV zipped around a field, traveling at speeds of 5 to 10 mph and never stopping as it cut one tree after another.

The amazing "Tree Chopper" slices through trunks up to 4 in. in diameter, yet requires no outside power source. It'll work on any 400cc or larger ATV. Smaller ATVs should have 4-WD and can only be used to cut smaller trees.

The cutting assembly consists of five hardened steel disc blades mounted on a V-shaped cutterbar. Two blades on front serve as pre-cutters that partially slice into the trunks. They're followed by two 10-in. dia. blades that are only .002 apart and rotate on bushings as the tree trunk slides between them. A fifth blade serves as the final cutter. The tree then falls off to the side.

The entire unit is raised and lowered by attaching a lifting device such as a winch, ratchet strap, or chain to a hook on the chassis. The design allows it to float over rough terrain.

"It cuts as smooth as a whistle. You can't believe how well it works until you see it on action," says Steve Scott, ATV-X, Inc., Centennial, Colo. "It works a lot faster than skid loader-mounted cutters that have jaws that have to open and close. You can ride around and pop off hundreds of small trees per hour. Another advantage is that it cuts the tree trunk at ground level without leaving a stump. We made it to cut down cedar trees but it'll also cut locusts, hedges, oaks, pines, and willows, and so on. The blades are made of a hardened steel that's the same type the military uses to arm its military vehicles.

"It can't cut bigger trees like skid loader-mounted units, but it works much faster than they do. Some commercial cutters use skid loader-mounted cutters for big trees and our ATV-mounted unit for small trees because it works so much faster. Another advantage is that it doesn't smash the grass down. And it's



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maintenance-free, with no grease zerks. When you're done using it you just spray it off with a high pressure washer to get the dirt off."

Scott says his partner invented the ATV-mounted tree cutter after his grandmother paid \$12,000 to have some land cleared of trees. Yet two years later the trees started growing back. "One day my partner was riding with his son on a 4-wheeler and accidentally ran over a 2-ft. high tree. He thought, wouldn't it be nice if you could cut down small trees while riding on an ATV?"

The mounting bracket attaches to the ATV frame with four bolts and remains permanently on the ATV. The cutting assembly is attached to the bracket by two quick-release pins.

Scott says they soon plan to introduce a model for skid steer loaders.

Suggested retail price is \$1,300. Contact: FARM SHOW Followup, ATV-X, Inc., 6133 East Mineral Drive, Centennial, Colo. 80112 (ph 720 837-8303; fax 303 773-8673; email: info@atv-x.com; website: www.treechopper.com).



ATV-mounted "Tree Chopper" lets you cut down small trees on-the-go. It slices through trunks up to 4 in. in diameter, yet requires no outside power source.



Once tree is cut, a metal guard on front forces it off to the side.



Pto-powered string trimmer can trim around and under fence lines and other hard-to-cut areas.

Tractor Mounted String Trimmer

When a customer called the Kosch company looking for a machine that would trim around and under fence lines, along stone fences, and other hard-to-cut areas, company engineers went to work and came up with a new pto-powered string trimmer.

It's designed to fit a Cat. 1 3 pt. hitch on tractors up to 25 hp.

The pto drives a gearbox that speeds up the 540 pto up to over 1,000 rpms. The gearbox's shaft belt drives the string trimmer spindle, spinning it at more than 3,000 rpm's.

"The unit flexes up and down so when you come up against an object, such as a fence post or a rock, it'll work its way right around it," says Royce Campbell, an engineer. "It'll float both vertically and horizontally with the

contour of the cutting surface," he notes.

Campbell isn't aware of anything on the market like it.

The four 12-in. long strings are threaded into the string plate.

Strings are available in nylon, kevlar, or a material with metal flakes in it. The string is square, round or diamond shaped. "All that does is change the way it cuts a little bit. Some of them are a little more durable than others," he says. The string that has the metal flakes lasts longer. "The diameter of the string we use is .155 in dia."

The trimmer sells for \$1,295.

Contact: KOSCH, 3439 East 23rd Street, Columbus, Neb. 68601 (ph 800 278-9144 or 402 564-7161; website: www.koschco.com).



Electronic calf scale lets you weigh newborn calves anywhere and is more accurate than anything else on the market, says the manufacturer.

Calf Scale Fits Receiver Hitch

"Our new electronic calf scale slips into a receiver hitch on a pickup or ATV and runs off a 12-volt battery or an AC/DC converter. It lets you weigh newborn calves anywhere and is more accurate than anything else on the market," says Dan Koehn Koehn Marketing, Watertown, S. Dak.

The Digi-Scale consists of a metal cradle with built-in load cells. The calf rests comfortably in the cradle with its feet off the ground.

"It works great for not only weighing calves at birth but also for ear tagging, vaccinating, dehorning or transporting," says Koehn. "With its feet off the ground, the calf

stays almost perfectly still so it's very accurate."

"The digital scale stores weight records for later analysis or transferring to a personal computer. An electronic identification option adds memory for storing electronic identification numbers, time, and date along with birth weight and is traceback capable," he notes.

The system, which includes scale indicator, cigarette lighter adapter, and calf carrier frame, sells for \$1,250.

Contact: FARM SHOW Followup, Koehn Marketing, Inc., P.O. Box 577, Watertown, S. Dak. 57201 (ph 800 658-3998).