



Hurricane Pro undercarriage cleaner blasts streams of water out of rotating nozzles on a 3-wheeled cart. Spray deck can be pivoted from flat to 90 degrees vertical.

Undercarriage Cleaner Attaches To Pressure Washer

The Hurricane Pro undercarriage cleaner is about the closest thing you'll ever get to a white tornado, with streams of water up to 4,000 psi blasting out of rotating nozzles on a simple 3-wheeled cart. Once you hook up a pressure washer, you can wheel it under vehicles and equipment with at least 6 1/2 in. of clearance and go to work.

The powerful washers are available with 21 or 30-in. dia. heads. The Hurricane Pro model has the option of pivoting the spray deck from flat to 90 degrees vertical. It weighs about 57 lbs. and rides on 3 castor wheels.

The Hurricane is made by Mosmatic,

a Wisconsin operation that's part of the Mosmatic AG group based in Switzerland. The Hurricane Pro is distributed by several retailers in the U.S. and Canada. Recent price from one retailer was \$1,999. A lower-priced model that doesn't pivot vertically sells for \$1,499. The company makes a variety of products for cleaning floors, roofs, buildings and vehicles along with industrial and commercial cleaning.

Contact: FARM SHOW Followup, Mosmatic Corp., 8313-196th Ave., P.O. Box 400, Bristol, Wis. 53104 (ph 800 788-9880; www.mosmatic.com).

State-Of-The-Art Walk-Behind Cultivator

"I tried using a couple of different commercial walk-behind cultivators to break ground for my garden, but the tines were spaced too close together and plugged up on sod clumps, weeds and roots. So I finally decided to build my own walk-behind cultivator that won't plug up," says Perry Gingerich, Wadena, Minn.

His cultivator covers a full 15-in. working width and has 3 rows of shanks with 3 1/4-in. wide shovels welded onto them. There are 2 shanks on the front and back rows spaced 10 in. apart, and one shank in the middle. All shanks bolt onto a rectangular flat iron frame that's bolted to a short length of square tubing.

"Most walk-behind cultivators have narrower shovels, with about a 1 1/2-in. gap between them that never gets touched. The shovels on my cultivator are tapered and lay flatter with the ground so there's no gap between them," says Gingerich.

The cultivator rides on a single wheel on front and has wooden handles with a pipe connecting them on back. "The design lets you push against the pipe with your stomach and your whole body, whereas with other walk-behind cultivators you have to push everything with your wrists and shoulders, which is harder to do," says Gingerich.

But he says the cultivator's best feature is that it has built-in "weed pullers" - a pair of V-shaped slots notched into each side of the point. "If the weeds just bend out of the way as I move forward without coming out of the ground, I can back up and the V-notch on either side of the shovel will catch them and pull them out," says Gingerich. "Sometimes the notch just cuts through the weed's root, but other times it catches on the root and pulls it right out of the ground. I've had very good results with it.

"I used my cultivator last year for the first time and had very few problems with plugging, and very few weeds that I couldn't pull out."

By pulling a pin, Gingerich can remove all the shovels and attach a 2-row marker, which he can adjust anywhere from 18 to 36



Cultivator has 3 rows of staggered shanks with 3 1/4-in. wide shovels welded onto them. The design leaves no gap. Shovels have hocks on back to pull weeds, if needed.



in. wide.

He also built a row marker attachment with 2 shovels on it. It installs by unbolting the frame that holds the shanks and shovels from the square tubing and bolting the frame of the row marker attachment in its place.

"I'm thinking about making more attachments for my cultivator, including a pony hitch, but I don't have anything on paper yet," says Gingerich, who notes that he's willing to build the cultivator for others and can make it with 4 shovels instead of 5.

The 5-tine model sells for \$170 and the 4-shovel for \$160. The row marker sells for \$25 and the pony hitch for \$12. All prices are postage paid.

Contact: FARM SHOW Followup, Perry Gingerich, JR's Sandblasting and Painting, 30225 610th Ave., Wadena, Minn. 56482.

One-Wheel "Tractor" Cultivator

"It works the ground more like a tractor than a tiller," says Chris Osgood, national sales manager for Maxim, about the Plow Boss.

The one-wheeled plow with a 127cc Briggs & Stratton engine is a unique garden cultivator that has been popular in the South for many years. With Maxim under new ownership in Minnesota, the company plans to make the rest of the country aware of the unusual walk-behind machine.

The Plow Boss comes with interchangeable accessories - a turn shovel, sweep and furrower - that are the same as those used on implements pulled by tractors.

"A tiller grinds up the ground. This (Plow Boss) turns the soil over like a plow, and the 12-in. sweep takes care of weeds," Osgood says.

Because its ground contact is narrower, the cultivator can be used later in the growing season when plants are mature.

Liquid can be put in the 6-12 Super Sure Grip tractor wheels for better traction, and the low center of gravity makes it easy to maneuver the 160-lb. plow, Osgood says.

The Plow Boss retails for about \$1,340.

"It's a unique, inexpensive way to get an implement that can take care of your garden, and it replaces a small tractor," Osgood says, adding it doesn't take a lot of space to store.

Plow Boss is popular with hobby farmers, farmers market and organic gardeners, as well as people with large gardens.

"It's also good for people who are growing hops and need to weed around them," Osgood adds.

Check out Maxim's website to see a video of the Plow Boss in action and to find a dealer in your area.



One-wheeled Plow Boss is powered by a 127cc Briggs & Stratton engine. It comes with interchangeable accessories including a turn shovel, 12-in. sweep, and furrower.



Contact: Maxim, 20195 S. Diamond Lake Rd., Suite 100, Rogers, Minn. 55374 (ph 800 621-2789; www.maximmgf.com; sales@maximmgf.com).

Easy-To-Build Firewood Conveyor

Return elevators off old combines can be converted into cheap firewood elevators, says Roger Reibsamen, Titonka, Iowa, who recently sent FARM SHOW photos of a 20-ft. long elevator he built.

Reibsamen used return elevators from a pair of Massey Ferguson combines, with an 8-ft. long section added in the middle. He uses the elevator to load firewood into a woodshed or his home's basement.

He uses a hydraulic pump mounted on his Deere 140 garden tractor to operate the elevator. The pump operates a hydraulic motor mounted at the base of the elevator, which chain-drives the elevator.

"A new firewood handler like mine would sell for about \$7,000 but you can pick up old return elevators for next to nothing at farm sales or salvage yards," says Reibsamen. "I think return elevators off any combine brand would work."

He built the elevator's mid section out of sheet metal that he already had. He used more sheet metal to make a hopper and bolted it to the bottom of the elevator.

"I unbolted both return elevators and cut the top cover off each one so I could access the fighting. Then I removed or added links to fit. I had plenty of leftover fighting from the 2 elevators to cover the mid section. I also removed every other paddle from the fighting so big logs would fit between them. The paddles are spaced about 2 ft. apart," says Reibsamen.

The tires and axle are off an old corn elevator that he already had. A hand-cranked boat winch is used to raise and lower the elevator.

Reibsamen paid \$15 for both return elevators. "I already had the hydraulic motor and pump," he notes.



Roger Reibsamen used a pair of combine return elevators to make this low-cost elevator. He uses it to load firewood into a woodshed.

Contact: FARM SHOW Followup, Roger Reibsamen, P.O. Box 233, Titonka, Iowa 50480 (ph 515 928-7006).