

# Coulters Convert Chisel Plow To Strip-Till Machine

“A coultter kit from Ron’s Manufacturing converts any chisel plow into a tool that prepares perfect seed beds for planting,” says inventor and owner Ron Tschetter.

Ron’s coulter kits have stronger bearings than other machines on the market to withstand tough working conditions and high horsepower tractors. Here are some differences between Ron and his competitors. The competitors use a 1 1/4-in. or 1 3/16-in. tapered bearing compared to the 1 3/8-in. size that Ron uses. Also, one of the competitors has a cap and strap mounting that has to be removed to tighten the tapered bearings. The other competitor has non-greasable bearings mounted lower on the shaft. Ron’s kits have four larger, flat ball bearings that are pressed into a steel hub and a cold rolled shaft. That way, when the bearings are worn, it won’t ruin the hub or the shaft like a self aligning bearing. When a self aligning bearing gets dry, it spins in the hub and ruins the hub. A pressed in bearing in steel tubing, won’t do this.

“The strength and durability of our kits is unsurpassed on the market,” says Ron. The bearing center support is greasable and the shaft is made of a cold rolled steel and drilled for a roll pin to the hub plate. The outer shield is cup-shaped and goes over the bearing center so that weeds and other



**Coultter kit includes 18-in., 13-wave boron “earthen hardened” coultter blades (left). Kit (right) is now fitted with 4 bearings to make it even more heavy-duty. Works in wheat stubble and corn stalks. Cuts up trash so you can plant days earlier.**

materials can’t get into the bearing seal. The hub plate is held on with a 3/4-in. bolt and collar.

The coultter can be used to lightly till the soil and incorporate and size residue, setting the stage for the spring planting season. It’s also a practical way to dry out wet soils. The Vertical Tillage Coultter Kit Attachment also works well in no-till, conservation tillage, and conventional tillage operations. The wavy coultter design loosens and fluffs the soil so it warms more quickly in spring, and breaks the crust which energizes the seedbed for maximum growth and yield potential. The coulter kits also allow shallow seedbed preparation, which decreases the risk of excess soil

density below the root zone.

Operating at field speeds of 6 to 10 mph allows quick mixing of manure and soil to prevent loss of nutrients and to control odor. The coultter setup can also be used for very shallow incorporation of fertilizer and certain herbicides.

The coultter kits come with 18-in. earthen hardened boron blades with 13 waves, the waves are 1-in. apart, but other blades can also be mounted. All blades are spaced 6-in. on center.

For more information, contact: Ron’s Manufacturing, 40582 187th St., Carpenter, S. Dak. 57322 (ph 605 266-2177; email: info@ronsmfg.com; www.ronsmfg.com).

**Reader Inquiry No. 131**

## Trench-Digging Wheels For ATV’s

“Turn your ATV into a ditching machine by simply removing the stock wheels, bolting on Trench Wheels, and driving through your fields making trench tracks, which drain unwanted water off your crops,” says Steve Raguse, inventor-manufacturer of new trench-digging wheels.

Trench Wheels are narrow V-shaped wheels featuring steel rims with aggressive lugs which enable farmers to drive through mud and standing water making trenches for water to drain.

“We’ve had tremendous response. Farmers in the Red River Valley love these wheels,” he says. “After attending the National Farm Show in Louisville, Ky., farmers all over the nation are using Trench Wheels.”

The wheels pay for themselves many times over by draining excess water in spring time to get in fields earlier. However, the wheels make the most money for farmers, by draining water off seeded and growing crops after heavy rains. Trench Wheels are



**Wheels make a 4 to 14-in. deep trench in muddy ground. Deeper trenches can be made by making repeated passes in the same tracks. Works great for draining water away from flooded fields.**

an excellent water management tool.

A set of four Trench Wheels sells for \$1,295.

Contact: FARM SHOW Followup, Steve Raguse, Trench Wheels, 6978 County Rd.



16, Wheaton, Minn. 56296 (ph 320 563-8389 or 320 815-0865; fax 320 563-0092; email: raguse@traversenet.com; website: www.trenchwheels.com).

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