



Dragon-Line system drags specially-designed flexible hose and emitter tubing behind a center pivot irrigator, and releases water directly onto the soil surface.



Tubing attaches to the end of a rigid or flexible drop and/or a manifold. System can result in 20 to 50 percent water savings, says the company.

Turn Your Center Pivot Into A Drip Irrigator

A Kansas company has come up with a way to transform an existing center pivot or lateral irrigator into a drip irrigation system. They say it can result in 20 to 50 percent water savings compared to using conventional center pivot sprinkler nozzles at a low gpm.

The Dragon-Line Precision Mobile Drip System was introduced at the recent 31 Show in Dodge City, Kansas. It's designed to drag specially designed flexible hose and emitter tubing behind the irrigator and drip water directly onto the soil surface.

The tubing is fitted with 1 gal./hr. pressure

compensating emitters on 6-in. spacings. As the tubing is pulled along the ground, the emitters deliver a uniform water pattern across the full length of the irrigated area.

The system attaches to the end of a rigid or flexible drop and/or a manifold, whichever method is considered best for the crop being irrigated. The emitter tubing is then attached to the flexible hose so that it drags completely on the soil surface. The flow and length of dripline that drags behind the pivot can range from 2 to 100 ft. or more, depending on gpm and dripper line spacing.

The system is adaptable to both low and high profile crops and in any row spacing, and can also be used to apply chemicals and fertilizer along with the water. The tubing's orange color makes it highly visible in the field.

"Many farmers are faced with a declining water supply and a greater need to conserve water. We're trying to help them grow the same crop using less water," says Monty Teeter. "By implementing efficient irrigation methods, we can prolong the life of the aquifer for future generations. It's especially

useful for farmers with low volume wells that deliver 300 gpm or less. We've learned that we're banking water applied, not evaporating or running it off."

The cost to convert an existing center pivot to a Dragon-Line system with filtration ranges from \$100 to \$250 per acre, depending on design.

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Scaffold is mounted on running gear off a 3-ton hay wagon. Leveling jacks at bottom can be telescoped in or out to keep scaffold level on uneven ground.

Wagon-Mounted Mobile Scaffold

Ian MacCuaig and his son James of St. Telesphore, Quebec, mounted a commercial scaffold on the running gear off an old 3-ton hay wagon, converting it into a mobile scaffold. Four leveling jacks at the bottom of the scaffold can be telescoped in or out from either side to keep the scaffold level on uneven ground.

The scaffold came in 2 halves, but the bottom half is now welded permanently to metal brackets that bolt onto uprights on the wagon axles. The jacks are welded to telescoping pipes made from 2 and 1 3/4-in. sq. tubing, with the scaffold welded to them.

"We built it last summer and used it to nail boards and battens onto a large shed and then stain it. It worked great," says MacCuaig. "We already had the scaffold, but we got tired of having to take it apart every time we had to move it. Now we can just hitch the

scaffold to our tractor or ATV and move it around the building as we work. Two people can also easily move it around by hand."

If the ground is uneven, the men can telescope the jacks in or out and then crank them until the scaffold is level. They can also keep adding more sections on top of the scaffold as needed. "The only time we'll probably have to remove the top half of the scaffold is when we put it inside a building for the winter," says Ian.

"We already had most of the materials, so our cost was next to nothing. The wagon running gear is from the early 1950's and had been sitting behind our barn for years. We cleaned and painted it to make it look nice."

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Bolt-on "tailboard trash blower" for Deere combines directs air onto tailboard to keep it free of trash, dirt and dust.

Tailboard Blower Keeps Deere Combines Clean

This new add-on "tailboard trash blower" for Deere combines keeps chaff and dust from building up on the tailboard.

The 4-ft. long slotted metal tube bolts onto the end of a factory exhaust pipe located above the combine's chopper or power tailboard. No drilling or cutting is required. Fits Deere S-Series combines including the S550, S650, S660, S670, S680, and S690 models.

"It eliminates daily cleaning and a potential fire hazard," says Dave Burgei, S.I. Distributing, Spencerville, Ohio. "It was developed by a farmer who tested it for a couple of years with good results.

"The problem is that the exhaust pipe on these combines that comes down from the engine wasn't made long enough to blow air across the tailboard. As a result, the tailboard quickly builds up with trash and dirt. It's not unusual to have to clean material off the tailboard once a day. Our tube extends the exhaust pipe and directs air onto the tailboard to keep it perfectly clean all of the time. The tube bolts on using three existing bolts."

Sells for \$169 plus S&H.

Contact: FARM SHOW Followup, S.I. Distributing, Inc., 13540 Spencerville Rd., Spencerville, Ohio 45887 (ph 800 368-7773; www.sidist.com; info@sidist.com).

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