



Corder mounted the primary components of an IH 715 combine on a truck frame.

"FUN AND COMFORTABLE TO OPERATE"

Spray Rig Built Out Of Old IH Combine

Stripped down old combines can be easily converted into versatile spray rigs that'll outlast any commercial-built machine, according to Tim Corder, Mountain Home, Idaho, who turned an old IH 715 combine into a first class spraying machine with the help of Gilbert Lopez.

"We used all the primary components of the combine including the cab, engine, running gear and hydrostatic drive. We mounted everything on a truck frame we purchased from a salvage yard. The diesel engine delivers its power to the ground through the hydrostatic drive wheels which power the sprayer at speeds from 0 to 18 mph. We used existing control levers in the cab, connecting them by cable to the components of the machine. The drive wheels were enlarged to give greater ground clearance and narrowed for less damage to row crops (14.9 x 38).

"The spray boom mounts on front so the operator can easily see all nozzles from the operator's station. The boom is 50 ft. wide and can be hydraulically adjusted from the cab from ground level up to 5 ft. When raised all the way, the boom lifts over most obstacles and also makes it easy to change nozzles. And because of the parallel linkage on the boom lift, the boom's position in relation to the ground doesn't change as it's lifted and a self-leveling linkage keeps the boom level from side to side. Boom wings can be folded or raised independently using controls in the cab.

"The spray pump is a diaphragm type that's driven by a hydraulic motor which is

speed-controlled from within the cab. We put electric solenoid controls on each of the three sections of the boom so we can spray in narrow strips when necessary. A Dickey John spray monitor controls the flow and allows us to vary our ground speed, depending on conditions. We also outfitted the spray rig with a foam marker system which eliminates the need to count rows at the turns.

"The spray tank, which mounts on the rear part of the frame, holds 500 gal. but we plan to switch it to 750 gal. this winter.

"We've only used the sprayer one season but we're very pleased with the performance and reliability. We get far more acres sprayed in a day and it's always ready to go. No need to unhook a tractor from another piece of equipment if you just want to spray for an hour or two. It lets us be more timely with all of our spraying because of the speed, ease, availability and versatility of this rig. We looked at the commercial sprayers on the market but they're expensive, smaller, and not as handy or durable. With the exception of the hydrostatic drive wheels, all components are common off-the-shelf parts.

"It's also fun and comfortable to operate. It has an air conditioner, heater, radio and two-way radio. Best of all, we built a valuable piece of equipment using junked parts from a broken down machine."

Contact: FARM SHOW Followup, Tim Corder, T & LC Farms, 303 Aguirre, Mountain Home, Idaho 83647 (ph 208 587-8562).

CUTS LIKE A CHAIN SAW BUT WORKS LIKE A CIRCULAR SAW

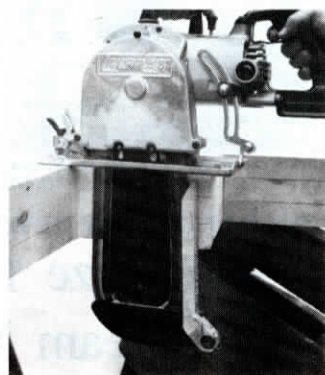
New Power Saw Cuts 12 In. Deep

You've never seen anything like the new Linear Link power saw from Progressive Power Tools Corp., Three Rivers, Mich., that cuts like a bandsaw down to 12 in. deep with its unique 1/4-in. wide chainsaw blade.

According to company representative Steve Maloney, the new saw was designed to cut big framing beams, landscape timbers, logs for log homes, posts, and anything else you'd cut with a chainsaw or circular saw. You can save a lot of time by stacking roof rafters, stringers, studs, deck boards, floor panels and other multiple pieces up to 12 in. thick.

The saw makes a smooth 1/4-in. wide cut. The saw's blade pulls sawdust out of the way so you can track your line better. The smooth and accurate cuts at the blade's straight edge eliminate the need for extra finishing tools and make it possible to cut notches without overcuts. The blade can be resharpened with a chainsaw sharpener.

The 18 1/2-lb. saw sells for \$449.



Saw's 1/4-in. wide blade cuts like a bandsaw down to 12 in. deep.

For more information, contact: FARM SHOW Followup, Progressive Power Tools, 1100 W. Broadway St., Three Rivers, Mich. 49093 (ph 800 635-5465).

STRIPS PLANTED IN THE FALL PREVENT DAMAGE TO SPRING-SEEDED CROPS

"Strip Seeder" Protects Emerging Crop From Wind

"Our custom-made strip seeder does a great job of protecting emerging crops from wind erosion," says Bob Klosterman, Mooreton, N. Dak., who pulls the air-powered "strip seeder" behind a 12-row Lilliston rolling cultivator.

Klosterman explains that in the Red River Valley area where he farms, high spring winds often cause substantial damage to crops, forcing farmers to replant. "We use the strip seeder in the fall to seed 20-in. wide strips of an oats-rye mixture, leaving 10-in. wide bare strips between," says Klosterman. "In the spring we plant 30-in. rows of beets right down the center of the bare strips. By that time the oats-rye is 4 to 6 in. high - tall enough to protect the emerging plants from wind erosion damage. Just before the crop emerges, we spray the rye with Roundup to kill it. We wait until the middle of June before cultivating out the dead rye at which time the crop is big enough to stand on its own. Even after we cultivate there's enough rye residue left to hold the soil in place and break up the wind."

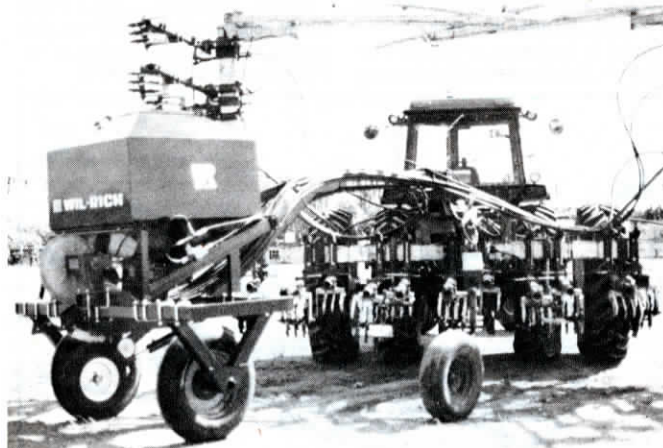
The 50 bu. capacity "strip seeder" was built for Klosterman by Wil-Rich Mfg., Wahpeton, N. Dak. A hydraulic-driven fan delivers metered seed through tubes to the front of a Lilliston rolling cultivator where it's broadcast in 20-in. wide strips and the cultivator mixes seed with soil. The metering device is ground-driven by a small tire. Klosterman can also use the cultivator to incorporate herbicides into the 10-in. wide

bare strips by removing the grain tank from the caddy and replacing it with a 400-gal. water tank pulled behind the cultivator. He then slides the cultivator gangs over to match the 10-in. bare strips and adds a 10-in. rolling basket to incorporate the herbicide.

"The oats-rye strips practically eliminate wind erosion. We like the oats for its quick fall growth, and the rye for its spring growth. This air seeder uses Wil-Rich's original blower and metering device. Everything else was custom-built. The air seeder's caddy is equipped with single rib tires which can be adjusted to fit any row width."

The single rib tires are part of a guidance system that Klosterman uses for all field operations - planting, cultivating, and spraying. He never has to manually steer the tractor. "The cultivator is equipped with a pair of shanks and steel guidance wheels which make grooves in the soil," explains Klosterman. "The single rib tires on the air seeder follow these grooves and pack them firmly so we can follow them with single rib tires on our tractor when we plant in the spring. We use the same guidance marks for cultivating and spraying. It virtually eliminates cultivator blight. The air seeder can be pulled behind any cultivator regardless of row spacing up to 24 rows."

Contact: FARM SHOW Followup, Bob Klosterman, Box A, Mooreton, N. Dak. 58061 (ph 701 274-8241) or Wil-Rich Mfg., Highway 13 West, Wahpeton, N. Dak. 58075 (ph 701 642-2621).



Air-powered strip seeder is pulled behind a 12-row Lilliston rolling cultivator.