

Twin finder wheels at rear of cultivator follow grooves created at planting time by special groove-makers mounted on planter.

“TRACKER” SYSTEM FROM ORTHMAN

Automatic Steering For Your Cultivator

Crop damage from high speed cultivation is virtually eliminated with the Tracker, a new automatic guidance control system introduced by Orthman Mfg., Lexington, Neb.

The 2-step system, involving both the planter and cultivator, relieves 90% of the tractor operator's responsibility to align the cultivator, even when cultivating narrow rows at high speeds. The precision control also allows you to cultivate closer to the plants without injuring them, explains William Orthman, president.

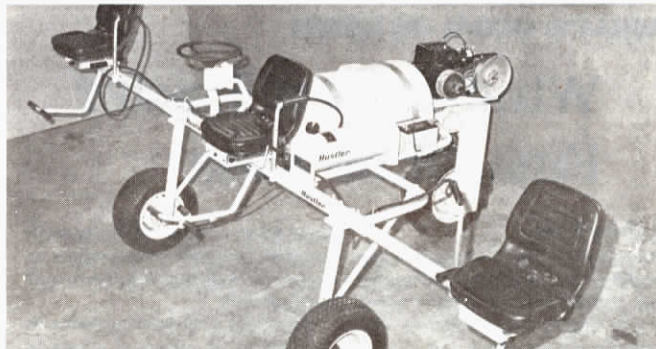
During planting, a V-shaped guidance mark is formed in the soil with special tooling attached to the planter. As a cultivator, equipped with the Tracker, enters the field the system's twin finder wheels are directed into the groove created by the planter-mounted groove-makers. This is repeated at the beginning of each pass. As the tractor and cultivator move forward, the Tracker's finder wheels sense any deviation from perfect center of the crop row.

Deviations are reported to the hydraulic guidance system and the large twin guiding discs automatically correct the steering error. The tractor primarily performs as a pulling power, generally guiding between rows. The Tracker's guidance hydraulics affect only the cultivator operation and remain entirely independent of the tractor's power steering, Orthman points out. “Unlike other guidance systems, the Tracker doesn't require adding anything onto the tractor. There are no special tires to put on, for example, or other changes to make on the tractor itself.”

The standard Tracker guidance system fits all Orthman toolbar cultivators, and other brand rear-mounted row crop cultivators mounted on a 7-in. square toolbar.

Suggested retail of the complete marking system is right at \$2,000.

For more details, contact: FARM SHOW Followup, Orthman Manufacturing, Drawer B, Lexington, Neb. 68850 (ph 308 324-4654).



Each rider operates an independently controlled, pistol-type spray gun to spot spray weeds on the go.

CHEAPER TO OPERATE THAN A TRACTOR

Self-Propelled Spot Sprayer

“It runs cheaper and doesn't tie up a tractor,” says a spokesman for The Hustler Corporation of the Company's new self-propelled spot sprayer.

Powered by a 10-hp. motor, it carries up to three riders and will cover six 40-in. rows, or eight 30-in. rows.

Speed is infinitely variable up to 10 mph. Goes in reverse and is stopped and started by foot control pedals at the center seat position. The rig turns within its own wheel tread width and carries 6 gal. of fuel (enough to run a minimum of 12 hrs. under most field conditions) and 55 gal. of spray solu-

tion.

The dimensions are: 37½-in. clearance, 98-in. long, 72-in. wheel base, and 23 x 8.50-12 tires in front, and 27 x 8.50-15 in the rear. Weighs 600 lbs.

Each rider operates a spray gun which has its own independent 12-volt electric pump. The pump runs only when the trigger is pulled for spraying. Sells for \$2,975.

For more details, contact: FARM SHOW Followup, Hustler Corporation, Box 1283, Jonesboro, Ark. 72401 (ph 501 935-6940).

BULK SPREADER ALSO SEEDS SMALL GRAIN

Spread Fertilizer With Your Pickup

“So far as we know, it's the first bulk spreader for pickups,” says Roderick Snyder, vice president of Larson Machine, Inc., Princeville, Ill. “It mounts on a ¾ ton pickup with just 4 bolts and replaces a bulk fertilizer wagon. Just drive your truck into town to fill up — no more waiting for custom applicators or equipment to show up.”

Fertilizer is fed out of the 2½ ton capacity hopper by a stainless steel chain web. The web is ground-driven by a small drive wheel that, when engaged, rubs against the truck's rear wheel. Vacuum pressure from the engine is used to disengage the drive wheel, stopping the flow of fertilizer.

Material is spread in a 45-ft. pattern by two rear spinners, also geared to the truck's ground speed, and run off a pto shaft extended out of the truck's transfer box. Spreading width varies with ground speed. At the best speed for spreading — about 10 to 15 mph — the spreader will maintain a continuous 45 ft. pattern.

In addition to fertilizer, the unit

can also be used to seed small grain and grasses. Since it incorporates many components from Larson's standard bulk spreaders, the equipment has actually been tested for years, and often in seeding small grains. Snyder feels the pickup spreader is “actually the best on the market” for planting rice and some other specialty crops.

Both a 2½ ton capacity model for ¾ ton 4-wheel-drive pickups and a 4-ton model for 1-ton pickups are available, with either mild steel or stainless steel hoppers.

Cost for the ¾ ton model, installed at a Larson dealer, is \$2,500. Subtract \$100 if you do it yourself and add \$700 for the stainless steel hopper. Cost does not include fitting your pickup with a pto drive shaft, which Snyder says usually costs around \$400.

For more information, contact: FARM SHOW Followup, Larson Machine, Inc., Princeville, Ill. 61559 (ph 309 385-4312).



Stainless steel chain web is ground driven by a small wheel that, when engaged, rubs against one of the truck's rear wheels.