



Telescoping frame of the "Hauler" extends 5 ft. to accommodate a 600 bu. grain box, converting it from tractor to truck.

## TELESCOPING FRAME HOLDS 600 BU. GRAIN BOX, OR TWO 1250 GAL. TANKS

# "Hauler" Tractor Is Also A Truck

New from North Dakota is the "Hillside Hauler", a high horsepower tractor that in minutes converts into a truck, fertilizer spreader or sprayer. Or, you can use it simultaneously as a "floater" truck (to haul and spread fertilizer) and tractor (to pull a field cultivator or other implement).

"There's nothing on the market like it," says Jerome Knudson, Crosby, inventor and manufacturer who has just opened a spanking new factory for producing his popular Knudson Hillside tractor and his just-introduced Hillside Hauler.

Used as a tractor, the Hauler boasts 343 engine hp. (Deutz 10 cylinder diesel engine). It's equipped with a Twin Disc power shift transmission featuring six speeds forward and two in reverse, with "shift on the go" capability.

An exclusive feature of the Hauler is its 5 ft. telescoping frame which allows it to be extended to hold a special grain box (600 bu. capacity), or two 1250 gal. tanks for spraying or fertilizing. The Hauler serves only as an in-the-field or on-farm truck. It isn't designed for long distance, over-the-road trucking.

"It will do everything a comparable horsepower tractor will do, plus it has the added capability of a truck," explains Knudson. Where it's needed, the Hauler's patented Hillside feature — which Knudson also

offers in his conventional 4-wheel drive tractor models — makes it easy to maneuver on steep slopes under load. The self-leveling device automatically shifts weight of the tractor to the upper wheels to maintain proper oil level in the engine, increase operator comfort, improve maneuverability, increase stability and reduce down draft. The Hauler is also available in a standard model for operators who don't need the Hillside feature.

The combination truck-tractor is equipped with crab steering and a reversible 3 pt. hitch which allows it to be changed from category 4 to category 3, or vice versa, in seconds.

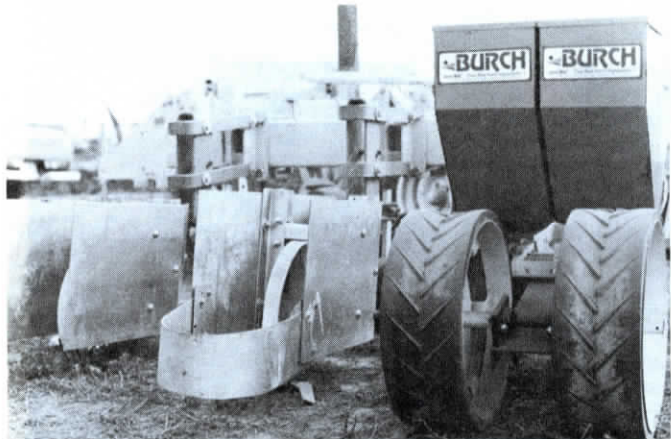
For spraying or applying liquid fertilizer, the Hauler is available with booms up to 90 ft. Matching-width tillage equipment is available, allowing one operator to apply dry or liquid fertilizer, or apply herbicide, and work the soil in a once-over operation.

The Hauler is available custom built to the owner's specifications. You can get about as many features as you want, depending upon how much you want to spend.

For more details, contact: FARM SHOW Followup, Knudson, Inc., Jerome Knudson, President, Crosby, North Dakota 58730 (ph. 701 965-6268).



Note unloading auger at rear which allows driver to empty the 600 bu. box right from the cab.



Special adapter bar allows twin planting rows to be spaced 15 in. apart. Shown on the left are the special cultivator, shovels and shields which can be mounted on the same toolbar after planting to cultivate the narrow 15 in. rows at speeds up to 8 mph.

## SOMEBODY'S FINALLY BUILDING THE PLANTER SOYBEAN GROWERS HAVE ASKED FOR

# New Planter Plants in "Cultivable" 15 in. Rows

You asked for it! A planter that plants soybeans and other crops in narrow rows you can cultivate.

It's finally on the market, compliments of Burch Inc., Evansville, Ind. "So far as we know, it's the first and only 15 in. row system for soybeans", says Jerry Johnson, Paxton, Ill., Burch sales representative who worked with dealers and farmers to develop the tailor-made soybean planter and companion cultivator.

Johnson points out that conventional Burch twin-row planter units, which have been on the market for over 20 years, have become very popular with soybean growers who rely solely on chemical weed control and plant the crop in 7 to 10 in. rows. This is the standard spacing for Burch twin-row planting units. For soybeans, the usual practice has been to gang these twin-row units side by side on a toolbar to plant up to 30 rows spaced 7 to 10 in. apart, with a row on each side skipped to make room for tractor wheels. For corn, individual twin row units are spaced 30, 38 or 40 in. apart to fit standard row crop headers.

"Many soybean growers feel they can't depend on chemicals alone for weed control and are reluctant to plant in 7 to 10 in. rows they can't get in to cultivate. To solve the problem, we retooled the standard Burch twin-row planter unit to get 15 in. spacing between each pair of rows," Johnson told FARM SHOW.

The "retooled" Burch twin row planter units are mounted side by side on a toolbar which Burch also makes. "We can equip the toolbar for planting and cultivating up to 30 15-in. rows, with a skipped row on each side for the tractor wheels."

Specially designed shovels and

shields allow the 15 in. rows to be cultivated at high speed — up to 7 or 8 mph. The special leveler-shields, designed to level the ground and to close the deep shovel furrows with dry soil left on top to minimize evaporation of soil moisture from below, are distributed by John Neece, Gardner, Ill.

Cost of Burch twin-row planter units "retooled" for 15 in. spacing is right around \$400 per row (standard units with 7 to 10 in. spacing sell for about \$50 less) including the toolbar, but not including the cultivator shanks and shovels. Farmers who already own standard Burch twin-row planting units can buy an "adapter kit" to equip them for 15 in. spacing.

Here, according to Burch, are advantages the company feels its newly engineered planting system for narrow row soybeans has over grain drills:

- "Our new system provides uniform spacing of soybeans in the row whereas a grain drill bunches seed within the row."

- "Grain drills don't give as uniform planting depth over variable soil types as you get with a conventional planter. Research has shown a 10 to 50% yield advantage for high quality, vigorous seeds. At proper seeding rates, a drill will damage a higher percentage of the seed than will a conventional planter, resulting in poorer germination, uneven plant spacing and reduced yields."

For more details on the new system for planting soybeans and other crops in "cultivable" 15 in. rows, contact: FARM SHOW Followup, Jerry Johnson, Box 82, Paxton, Ill. 60955 (ph. 217 379-4155); or Burch Inc., 7701 U.S. Highway 41 North, Evansville, Ind. 47711 (ph. 812 867-2442).