

## German Tractor's Front Axle Telescopes To Handle Heavy Loads

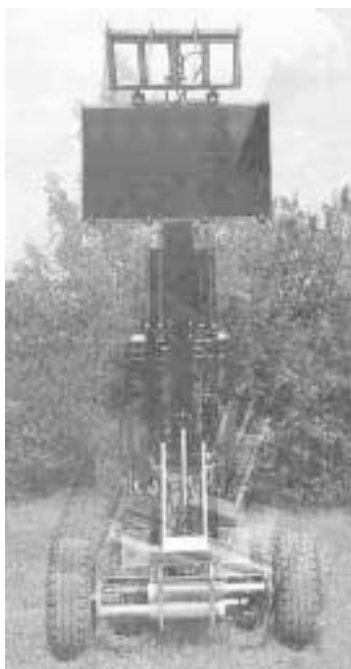
The front axle on this new articulated, 4-WD loader tractor telescopes out from 42 in. to a width of 6 ft. 2 in., making the rig more stable on hillsides and allowing it to safely lift 1 1/2-ton loads up to 11 1/2 ft. high. It can even lift 4,000 lbs (approximately its own weight) off the ground.

Built in Germany, the Kruger Telescoping Loader was exhibited at the recent California Farm Equipment Show near Tulare. The rig's front axle is equipped with a pair of big hydraulic cylinders. The driver simply pushes a button. The axles should be telescoped on-the-go to avoid excessive tire wear; however, you can push the axle to its full spread standing still even under full load.

"The Kruger is small enough that it can go through most barn doors and maneuver in tight places, yet it has much greater lifting capacity than conventional skid steer loaders," says Karl-Heinz Zeller, Oroville, Wash. "Several models are available ranging from 38 to 47 hp. The loader can be equipped with a bucket or grapple fork and can be used to load everything from round bales to pallets, etc. The grapple fork mounts on a swivel-type work head. With quick disconnect hydraulics it takes only about two minutes to change the work head. A small backhoe weighing only about 700 lbs. can be mounted on back. The backhoe is supported by a pair of steel legs and folds up to less than the width of the machine."

The 38 hp model sells for about \$35,000. Contact: FARM SHOW Followup, Zeller & Sons Enterprises, Ltd., Box 1850, Oroville, Wash. 98844 (ph 250 496-5338; fax 5886).

**Front axle is telescoped out by a pair of big hydraulic cylinders.**



**Tractor's oscillating front axle telescopes out from 42 in. to a width of 6 ft. 2 in., making rig more stable on hillsides and allowing it to safely lift 1 1/2-ton loads up to 11 1/2 ft. high.**



**By mounting Gandy seed boxes on his moldboard plow frame, Dick Thompson of Boone, Iowa, can broadcast winter rye onto fall-plowed ground.**

## Seed Boxes On Moldboard Plow Plant Fall Cover Crop

Dick Thompson, Boone, Iowa, mounts Gandy seed boxes on his moldboard plow frame to broadcast winter rye onto fall-plowed ground. The boxes are connected by a fiberglass rod that's driven by a hydraulic motor. Plastic down tubes spread 20 lbs.

of rye seed per acre. An attached harrow incorporates the seed, which suppresses weeds and controls erosion.

Contact: FARM SHOW Followup, Richard Thompson, 2035 190<sup>th</sup> St., Boone, Iowa 50036 (ph 515432-1560).



**Deere's new 1535 Tru-Vee drill meters seed at the row to provide accurate seed drop and spacing. New plastic, 1/10<sup>th</sup> bu. mini hoppers mount above each meter.**

## Deere Drill Designed For Both Corn And Beans

One of the hottest new products at the recent National Farm Machinery Show in Louisville, Ky., was Deere's new 1535 Tru-Vee drill – the industry's first drill designed to plant both corn and beans with single seed precision, according to the company.

The key feature of the new drill is that it meters seed at the row to provide accurate seed drop and spacing. Two seed meters are available – a radial meter for singulating soybeans and a finger pickup meter for planting corn. New plastic, 1/10<sup>th</sup>-bu. mini hoppers mount above each meter in a typical planter fashion. A 3-in. dia. hose continuously feeds the mini hoppers from the drill's 42-bu. (15-ft. model) or 40-bu. (20-ft. model) main seed box.

The new seeder comes equipped with a high capacity, central-fill seed box and "Max-Emerge Plus" row units. It's available in 15 and 20-ft. sizes and plants in either 15 or 30-in. rows.

"The unit plants corn in 30-in. rows with the in-row spacing and depth accuracy of a planter. It plants beans in 15-in. rows more accurately than any other drill on the market. And it can deliver this accuracy under virtually any condition," says the company.

The 15-ft. model can be equipped with 11 openers for planting beans on 15-in. rows. Lock up every other row and it becomes a 6-

row, 30-in. corn planter. The 20-ft. model can be equipped with either 15 openers for planting beans on 15-in. rows. By locking up every other row it becomes an 8-row, 30-in. corn planter.

Population selection and seed meter drives are similar to planter operation. Two ground-drive wheels drive the planter-style transmission. Fifty population settings and spring-loaded idlers make population selection easy. The drive output of the planter's transmission turns the drill shaft and seed meter drive chains.

Down-force pressure can be adjusted with the drill's pneumatic down-force system or standard heavy-duty down-force springs. Both are adjustable for up to 400 lbs. of force to each opener.

Optional unit-mounted coulters are available for slicing through residue. By mounting a Deere 1570 Caddie Cart on front of the drill it can be pulled behind a smaller row crop tractor (75 hp minimum) since the cart takes all the weight off the tractor's 3-pt. hitch.

No meters have yet been developed for wheat. Only 25 of the new drills were built this year and they've all been sold out.

Contact: FARM SHOW Followup, John Deere Co., John Deere Road, Moline, Ill. 61265.

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