



After reading about the idea in FARM SHOW, Bill Leiser converted Deere and IH combines into loader tractor. He built them for less than \$4,000 apiece.

## HYDROSTATIC TRANSMISSIONS MAKE THEM IDEAL FOR LOADER WORK

# Loader Tractors Built Out Of Old Combines

"We thought your readers might be interested in how we turned a pair of old combines into state-of-the-art loader tractors since we originally read about the idea in earlier issues of FARM SHOW," says William Leiser, Grand Island, Neb.

Each machine cost about \$4,000 to put together, including the initial purchase of the combines (not including labor or the loader on the Deere, which he already had). Here's how he built them:

**Deere Loader** - "We bought a 1966

Deere 95 hydro and stripped off the grain cleaning components, lowering the cab and engine down to just above the chassis. We had to rebuild the hydrostatic drive. We fitted it with a Deere 158 loader that mounts on the drive axle. It has a 217 cu. in. engine, a 20 gal. per min. pump, and a 30-gal. reservoir. It has served us well for the past two years."

**IH Loader** - "We started with a 1976 International 715 Hydro combine with a 301 diesel. It could also be fitted with a Deere 158 loader but, since it did not have a pump and reservoir for the loader, we fitted it with a double bale fork powered by the combine header lift cylinders.

"Both loaders drive and handle very well. They turn sharp and are ideal for handling bales. The weight of the bale is over the drive wheels. The engines counterbalance the bale weight."

Contact: FARM SHOW Followup, Bill Leiser, 4425 No. Engleman Rd., Grand Island, Neb. 68803 (ph 308 381-2888).



Up-front chopper, fitted with 18 rotating knives, picks up, chops and blows crop material into bale chamber. It lets you pack 30 percent more material into a bale.

## GREAT FOR MAKING SILAGE BALES

# Round Baler Chops Hay, Straw As It Bales

Chopping hay as you bale increases bale density and improves hay quality while cutting costs.

The Norwegian-built Orkel GP 1202 baler is being imported to the U.S. and Canada by Norse Products, Winnipeg, Manitoba. It uses 18 rotating knives to pick up, chop and blow the crop up a chute and into the bale chamber. It produces bales that are on average 30 percent denser than conventional round bales. That means there's less air in the bales, which speeds the silage making process (if you wrap bales), and reduces baling, wrapping, and handling costs because you end up with fewer bales.

Dave Turner, market manager for Norse Products says the bale chopper also produces higher quality feed. "It chops hay in lengths from 3 to 6 in. Chopping it splits the stem and releases sugars, producing high quality silage faster," he notes, adding that it also makes baled straw easier to handle for bedding or to mix into forage rations.

The Orkel baler produces 4-ft. dia. bales 4-ft. wide that weigh between 1,300 and 2,600 lbs., depending on dry matter. Bales are formed by 13 large steel rollers mounted

on heavy-duty greasable bearings and driven by individual chains. Bales are wrapped by netting in order to contain the shorter material. The baler is fitted with high load capacity flotation tires. The machine requires an 80 to 90 hp. tractor.

"Chopped hay is much easier to feed out than conventional silage bale material, resulting in higher feed intakes and improved animal performance," says Turner, noting that in addition to making silage bales, the machine can also be used to cut forage on a daily basis for livestock.

The chop baler works equally well on hay and straw, says Turner. The ribbed pattern on the bale forming rollers grabs onto dry straw as easily as wet hay.

Sells for \$19,900.

For more information, contact: FARM SHOW Followup, Chuck Rou, American Ag Equipment, 6562 Chatham Rd., Newark, Ohio 43055 (ph 614 745-2869); in Canada, contact: FARM SHOW Followup, Norse Products, 104 Tallman St., Winnipeg, Manitoba R2R 2P5 Canada (ph 204 694-5597; fax 204 694-7020).

Vol. 17, No. 2, 1993

**Publisher and  
Editorial Director** - Harold M. Johnson  
**Editor** - Mark Newhall  
**Associate Editor** - Bill Gergen  
**Office Manager** - Joan C. Johnson

**FARM SHOW** is published bimonthly for \$13.95 per year (\$16.95 in Canada and foreign countries) by Farm Show Publishing Inc., P.O. Box 1029, 20088 Kenwood Trail, Lakeville, Minn. 55044. Second class postage paid at Lakeville, Minn., and Madelia, Minn. **POSTMASTER:** Send address changes to FARM SHOW, Box 1029, Lakeville, Minn. 55044 (ph 612-469-5572; fax 612-469-5575). Single copy price is \$3.00 (\$3.50 Canada). Publication No. 470870

**FARM SHOW** does not accept advertising and focuses exclusively on new products and product evaluations.

**FARM SHOW** does not charge for new products or services featured in the magazine. Anyone with a new product or service of interest to farmers - whether inventor, manufacturer, marketer, distributor or whatever - is invited to contact FARM SHOW regarding possible publication.

### AS A SERVICE TO READERS,

Farm Show publishes newsworthy products and ideas. Because of possible variance in the quality and condition of materials and workmanship, Farm Show cannot assume responsibility for proper application of techniques, or proper and safe functioning of manufactured or reader-built projects resulting from information published in this magazine. Farm Show attempts to verify product claims in editorial reports and adheres to rigid standards. However, the publisher assumes no liability for accuracy and validity of claims.

Printed in U.S.A. All rights reserved, including the right of reproduction, in whole or in part, without written permission.

March-April, 1993

## Build Yourself A Schoolbus Grain Cart

(Continued from cover page)

on the highway much it qualifies for special machinery license plates in Indiana which cost only \$5 per year. It's much safer than pulling gravity boxes behind a tractor because you can see traffic behind you on the road. It's easier to unload than a truck because we don't have to back up to unload. The windows at the back of the cab make it easy to see when we pull up to unload.

"Each grain box holds about 175 bu. and is about 10 ft. long. The bus gets a little top heavy if the boxes are loaded too high and driving it takes some getting used to but we haven't had any problems. The bus's 2-speed rear axle really comes in handy for going up hills and through muddy fields." Vogel also built two other school bus grain haulers and uses one of them to haul dry fertilizer in the spring during planting. An unloading auger powered by a hydraulic motor mounts on the front of that box. The hydraulic motor is powered by a hydraulic pump pto-driven off the bus transmission.

He uses the cut-off bus bodies to make sheds for storing lawn mowers and other



Vogel built this planting and spraying supply truck by cutting the back and side off a bus and putting a 1,000-gal. nurse tank inside.

equipment. He boards up one end with plywood and puts a door on the other end.

He also built a planting and spraying supply truck by cutting the back and part of one side off a bus and putting a 1,000-gal.

nurse tank inside. He loads chemicals in back and seed in front.

Contact: FARM SHOW Followup, Charles Vogel, Rt. 6, Box 191, North Vernon, Ind. 47265 (ph 812 522-1323).