

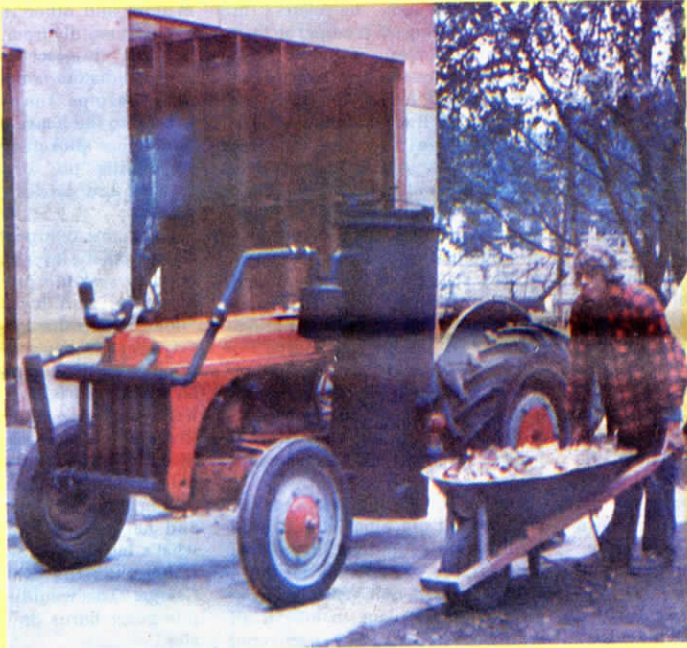
# FARM SHOW

For everyone in agriculture interested in latest new products.

Vol. 4, No. 1, 1980

FIRST-CLASS MAIL  
U.S. POSTAGE  
PAID  
Lakeville, MN 55044  
Permit No. 309

## Tractor Generates Its Own Fuel "On The Go"



"Most any tractor can be converted to wood-gas in two days, and at a cost of about \$400," says James Bohlen, who runs his converted Ford tractor on wood chips.

"You can't believe the simplicity of this wood-gas system. It's wondrous to behold," says James Bohlen, who equipped a 1947 Ford-Ferguson (Model 9N) tractor to generate its own fuel "on the go".

"Most any farmer handy in a farm shop can convert a gas or diesel tractor to wood-gas in two days or less, and for a cost of less than \$500," Bohlen told FARM SHOW. "If you don't want to make up a home-built unit yourself, you could possibly buy a factory made import from Japan or Sweden for about \$2,500."

Bohlen's experimental wood-gas tractor is being tested at the Greenpeace Experimental Farm located on Denman Island, 100 miles northwest of the coast of Vancouver Island. Bohlen, director of the Experimental Farm, believes the wood-gas concept offers "great promise" for putting farmers a step closer to energy self reliance. The "stove" which he mounted on the side of the experimental wood-gas tractor is 2½ ft. in dia. and 5 ft. high. It holds about 45 lbs. of fuel (wood chunks, chips or charcoal) and needs to be fed every two hours.

Bohlen believes wood-gas generators, which were popular in  
*(Continued on next page)*

### IN THIS ISSUE:

**Biggest yet (425 hp) in 2 wheel drive • Smolder energy • Combine grain dryer • Car runs on compressed air • Swather-mounted big baler • Turning water into fuel • Weigh grain without a scale • Self-propelled two way plow • Chopper cuts bedding costs • Front hitching for pull type choppers • Update on alcohol stills • Waste oil heaters • New "on end" big bale stackers • First manure pits in tie-stall barns.**