



Mobile processor, powered by its own engine, cubes 5 tons per hr.



Used as fuel, the 3/4 in. dia. straw cubes have 70% the energy value of coal.

FIELD-PRODUCED CUBES FOR FUEL OR LIVESTOCK FEED

First Of Its Kind Mobile Straw Cuber

British manufacturers have jumped out ahead of U.S. companies in the race to develop machines that make use of straw and other crop residue. Bernewode Designs Ltd., Aylesbury, England, recently introduced the world's first on-the-go straw cuber.

Company representatives say British farmers need to find ways to use straw due to recent laws that ban straw burning — the most common method of clearing fields. The new straw processor turns what could be a

gigantic problem into a valuable asset. Other straw processors have been developed but the company says this is the first that does the job in the field. There's no need to handle the straw in any way prior to cubing.

The mobile processor is powered by its own engine. A conventional pickup lifts the straw from the field behind the combine and feeds it to a chopper. Once chopped, the straw is blended with liquids and then fed to a cuber. The small 3/4-in. dia. cubes are

formed under pressure, which generates heat so that as they come out of the cuber they're dropped into a special cooling hooper. From there, they're unloaded into trucks.

Different liquids are blended with the straw depending on whether the cubes are intended to be used as fuel or livestock feed. The company says recently developed chemicals turn straw cubes into nutritious feed.

The machine cubes 5 tons per hour. Once cubed, straw takes up just 1/7th

the space of bales and the cubes can be moved with conventional augers. Cubes burn much more evenly than bales and have 70% of the energy potential of coal.

For more information, contact: FARM SHOW Followup, Bernewode Designs Ltd., Menmarsh Road, Worthinghall, Aylesbury, Bucks. HP 18 9UP England (ph 08447 8801).

WORKS GREAT FOR SHREDDING STALKS AND INCORPORATING HERBICIDES

Look What They're Doing With Fuerst's Harrow

New uses are busting out all over for the Fuerst flexible tine harrow. Originally introduced to clean up and rejuvenate pastures, farmer-owners are discovering many other new uses, including the following:

Low-cost stalk shredding — Farmers who've tried it say the Fuerst harrow tears up corn stalks without tearing up the ground, and without the "bunching up" problem you get with stiff-tine or spike-tooth harrows. In ridge-till corn, it clears the tops of ridges, eliminating volunteer corn and weed seeds in the row and removing trash for better in-the-row herbicide performance.

Herbicide incorporation — The Green Brothers, of New Boston, Ill., pull Fuerst harrow sections behind a 38-ft. Krause field cultivator to incorporate chemicals. They built frames that connect the harrow sections to the cultivator and lift the sections. By pulling the harrow behind the cultivator, the Greens eliminate a second incorporation trip, saving about \$3.60 per acre.

Conservation tillage — One pass with a Fuerst harrow in tandem with a disk, field cultivator or chisel plow breaks up clods, levels and sifts soil granules downward, preparing a seedbed that helps trigger earlier germination. "I've found that the harrow corrects a lot of mistakes the drill

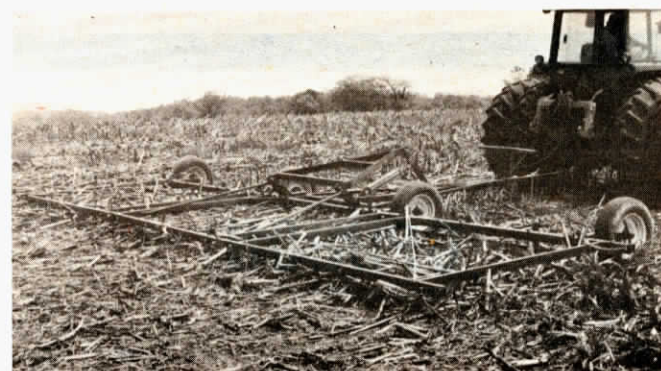


Specially designed 7/16 in. steel tines are 3.5 in. long.

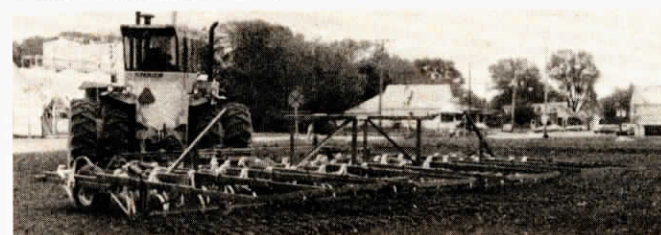
makes," says Richard Martin, of Burton View, Ill. "It levels the seedbed and firms soil around the seed. We've seen soybeans emerge two days sooner in fields where we harrowed."

Since the Fuerst flexible tine harrow has no rigid frame, it can snake over ground contours. It has 11 rows of tines, front to rear. All 11 rows can be used in the same position or, if desired, you can set the front six rows for maximum penetration, and the rear five rows for minimum penetration.

The harrows come in sizes from 4 to 24 ft. wide. Suggested retail prices range from \$441 to \$1,554. Hydraulic carrying carts are available in sizes from 16 to 42 ft. In most cases, arms



Flexible harrow "chops" stalks without bunching-up problem you get with conventional harrows.



Pulling flexible harrow behind field cultivator eliminates a separate chemical incorporation trip.

and frames for attaching harrow sections to front-running implements, such as disks or field cultivators, are home-made by farmer-owners.

For more information, contact: FARM SHOW Followup, Fuerst Brothers, P.O. Box 356, Oregon, Ill. 61061 (ph 815 732-3239).