

The Balemiser carries two bales at once, feeding them out the bottom.

THREE INNOVATIVE BALE HANDLERS

Big Bale Feeders Catching On Fast

Three innovative new big bale feeders and spreaders are catching on fast with farmers and ranchers in the western United States and Canada.

Jim Ostrander, a Swift Current, Sask., farmer who's developed the J.W. Easy Way feeder, says it's geared to both large and small operations, feeding a single bale out in as little as 3 min.

"Three hydraulically driven rollers loosen and unwind the bale without it touching the ground. Rollers turn slowly to prevent leaf loss, or grain shelling on grain bales," Ostrander told FARM SHOW.

The Easy Way loads itself, with a tilt bed and "grapple" arm that holds the bale to the bed. Single and two-bale models, including truck-mounted units, are now in production.

For more information, contact: FARM SHOW Followup, JW Easy

Way Feeder Ltd., Site 10, Box 8, Rt. 1, Swift Current, Sask. S9H 3X7 (ph 306 677-2422).

The Balemiser, marketed by Miller Bros. Stock Farm, Inc., of Grandora, Sask., self-loads two round bales, feeding them out one at a time.

The all-hydraulic, one-operator machine requires a minimum of 40 hp., or can be used with a 4 by 4 pickup equipped with independent hydraulics. Total capacity is 4,500 lbs.

"The bale turns on rollers, feeding out the bottom of the unit. Spreading depth can be controlled by tractor or roller speed. Hydraulics are reversible for frozen or uneven bales," says a company spokesman.

The 15-ft. long, 2,000 lb. machine will spread about three tons per hour and can be used in the off-season for transport.

Sells for \$6,000.



The Easy Way feeder loads itself with the help of a grapple arm, left, and then feeds the bale out on-the-go, right.

For more information, contact: FARM SHOW Followup, Miller Bros., Running MB Stock Farm, Inc., Rt. 1, Grandora, Sask. S0K 1V0 (ph 306 668-4390).

Burrows Enterprises, Greeley, Colo., is developing a trailer-type bale feeder "Unlike anything you've ever seen," according to Harvey Burrows, company president.

Six double-edged vertical cutting arms cut each bale up, dropping hay to a belt, which feeds out the side to feed bunks, or onto the ground. Cutting arms are equipped with conventional sickle teeth and driven up and down by a pto-powered "crankshaft".

To load, back into a bale and allow the chains in the trailer side-rails to pull it onto the bed and up against the front-mounted knives. Holds up to three bales and all controls mount on the tractor.

"The bale cutter is currently being field-tested. We hope to be in commercial production this fall, depending on farmer reaction to the machine," says Burrows.



Six cutting arms cut each bale up, dropping hay to a belt and feeding it out the side.

Projected retail price is around \$12,000.

For more information, contact: FARM SHOW Followup, Burrows Enterprises, Inc., 6340 W. 10th St., Greeley, Colo. 80631 (ph 303 353-3769).

BOIL ALCOHOL OFF AT LOWER TEMPERATURES

New Vacuum Still Kit Cooks Under Pressure

Get yourself a garden hose and an air-tight tank and you're ready to brew alcohol with the just-introduced Solargas vacuum still kit from Terry Spragg and Associates, Manhattan Beach, Calif.

The kit consists of: A high-pressure, water-cooled distillation column that mounts on any tank up to 100 gal.; an in-line hydrometer assembly for continuous proof-monitoring; and venturi-type valves that develop vacuum pressure in the system.

"Simply hooking up to a garden hose for several minutes creates around 25 psi inside the tank, and that causes the alcohol to boil off at 120° instead of its normal 174°. The cold water creating the vacuum also runs through the reflux coil, causing

the alcohol to condense back to a liquid," explained Terry Spragg, who adds that, at \$485, the kit is "one of the most inexpensive alcohol-producing systems available."

A one-column system puts out up to 15 gal. of 110 proof alcohol in 24 hrs. (You have to run it through again to get 160 proof.) A Pella, Iowa, farmer plans to mount two columns on a 250 gal. tank and double his output. Any heat source can be used or you can buy Solargas solar panels and get additional federal energy credits.

"One of the advantages of this system is that you can tailor it to your resources without a huge investment," says Spragg.

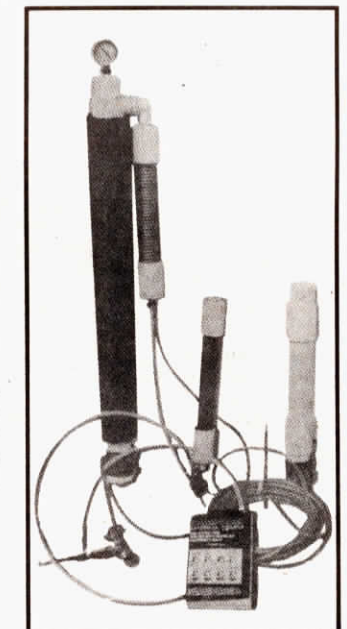
Complete instructions, information on converting engines, and



Spragg demonstrates the vacuum still kit with two small tanks. An ordinary garden hose and venturi valve create a vacuum inside the tanks, causing alcohol to boil at 120° instead of 170°.

forms for federal experimental permits, are provided with the kit.

For more information, contact: FARM SHOW Followup, Terry G. Spragg & Associates, 201 Ocean Drive, Manhattan Beach, Calif., 90266 (ph 213 374-0471, or 213 379-9967).



This is everything included in the distillation kit. You supply the tanks and cooker.