

"10% BETTER FEED EFFICIENCY"

New "Extruder" Boosts Feed Value Of Soybeans

A new soybean extruder, marketed by Insta-Pro International, Des Moines, Iowa, is getting lots of attention from hog producers and dairymen.

Using only friction heat generated within the machine itself, the "dry extruder" flash cooks and expands raw soybeans without any pre-cooking or pre-steaming.

"There's a big difference in energy value between extruded soybeans and regular soybean meal," says Craig Tessau, sales manager. "Most soybean processors, in cooking soybeans, cook out most of the 18% oil content. We keep the oil in the product. The benefit — 10% better feed efficiency than soybean meal made from conventionally-processed soybeans.

"Most farmers sell their soybeans to a local elevator, which in turn sells them to a crusher who removes oil, preservatives and other ingredients," explains Tessau. "Then, the processor sells the beans back to the ag distribution chain and the soybean meal ends up back on the farm... But they've taken out the original 18% oil content, leaving you soybean meal with only 1/2 of 1% of the fat left in it."

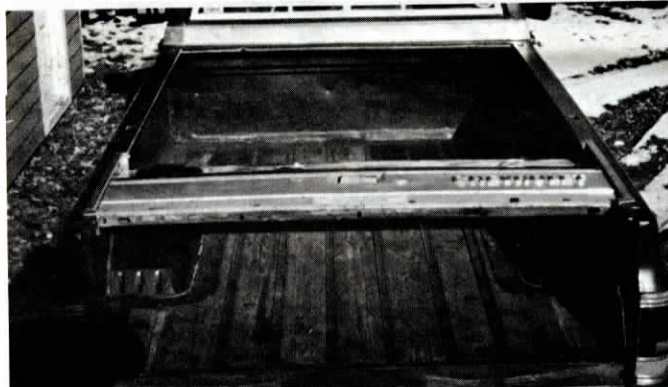
Insta-Pro owns several processing plants and offers on-farm extruders for sale or lease. "A farmer can either take his soy-



Insta-Pro's extruder retains original oil content and doesn't "cook it out".

beans to one of our plants for extrusion and get his own beans back, or he can buy hog or dairy premixes containing extruded soybean meal," says Tessau.

For more information, contact: FARM SHOW Followup, Insta-Pro International, 10301 Dennis Drive, Des Moines, Iowa 50322 (ph 515 276-4524).



Tailgate's original latch holds it horizontal in "gas saving" position.

TAILGATE HELD HORIZONTALLY

New Pickup Brackets Tilt Tailgate, Save Gas

If you do a lot of highway driving with your pickup, you'll like these pickup brackets that let you store your tailgate in a horizontal position at the rear of the box.

"You can save as much as 2 mpg by removing the tailgate to reduce wind resistance but then it's never around when you need it. These brackets use the tailgate's own latch to hold it in place," says farmer-inventor Verl Cutler, Claremont, S. Dak.

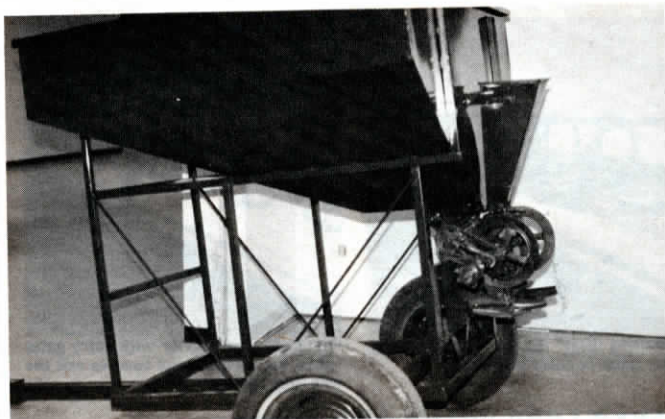
To install the brackets you cut a 1/2-in. strip off the top inside of the pickup box. Two small bolts hold each bracket in place. To place the tailgate in the brackets, you first remove it from the pickup and then set it down vertically into the brackets and let the tailgate swing forward and down. It'll

latch into place the same way it does when latched into its original position on the pickup box.

The brackets fit most pickups from 1985 back to about 1970 or so when the center unlatch handle was first introduced. Cutler has another set of brackets that adapt to newer pickups without cutting out any of the top inside edge.

A price has not yet been firmed up on the tailgate carrier. Cutler would like to find a manufacturer or distributor to handle the product.

For more information, contact: FARM SHOW Followup, Verl Cutler, Box 140, Claremont, S. Dak. 57432 (ph 605 294-5858).



One wheel is equipped with a gear for chain driving the seeder.

HOPPER BOTTOMED TO SELF-FEED INTO SEEDER

New "High Rise" Cart For Endgate Seeders

Many farmers maintain that endgate seeders are still the most cost-efficient way to seed small grains. If you're one of them, you'll be interested in a new "high rise" seeding cart from Pinkelman Sales that's specially designed for use with endgate seeders.

You simply remove the endgate seeder's regular hopper and bolt the remaining mechanism to the seeding cart. It's hopper-bottomed to automatically self-feed up to 35 bu. of small grain into the seeder as you

tow it with your tractor or pickup.

One wheel is equipped with a gear for chain driving the seeder. The cart is available with an optional attachment for seeding pasture and other grass seed. A remote control lever for turning the seeder on and off is controlled from the driver's seat of the towing tractor or pickup.

Sells for \$750.

For more information, contact: FARM SHOW Followup, Pinkelman Sales, Hartington, Neb. 68739 (ph 402 254-6529).



Do-it-yourself kit includes crimp tool, vise block and crimp gauge.

LETS YOU MAKE YOUR OWN HOSE REPAIRS

New Do-It-Yourself Hydraulic Hose Crimp

"Hydraulic hose always seems to fail on weekends or evenings when you can't get service in town. With our new system you can do it yourself," says Giff Hoback, Signal-Hill Corp., Arvada, Colo.

The company's new crimp tool looks like a copper pipe cutter and is used in much the same way, tightening down gradually on specially-made collars to seal hose ends and couplers.

"It's a precision instrument with a built-in crimp gauge that shows you exactly how much to tighten," says Hoback, noting that the kit also comes with a separate "crimp gauge" to help monitor the job. The kit also

includes a hose-holding block that fits in a vise.

To use the crimp tool you have to buy the company's specially designed fittings. Hoback says prices for couplers, flare ends, adaptors, O-rings, and other fittings are comparable to prices for conventional fittings. The do-it-yourself tool kit, which includes the crimp tool, vise block and crimp gauge, sells for \$40.

For more information, including a catalog of available fittings, contact: FARM SHOW Followup, Signal-Hill Corp., 5820 W. 56th Ave., Arvada, Colo. 80002 (ph 800 292-4673 or 303 421-1548).