



"It'll go places a pickup can't go and is much more fuel efficient."

SEATS TWO, CARRIES 1,000 lbs.

Kawasaki "Mule" Combines Benefits of ATV And Pickup

"It combines the benefits of an All-Terrain Vehicle with a pickup," says Kawasaki of its new utility vehicle called the "Mule 1000".

"Priced at about \$5,000, it handles greater payloads than an ATV and costs far less than a new pickup. What's more, it'll go places a pickup can't go and is much more fuel efficient," Joe Vosicky, products manager, points out.

Key features include bench seating for two passengers, 4-wheel independent suspension, automatic transmission, reverse, a tiltable dump bed (manually operated) and a total payload capacity of 1,000 lbs. (including cargo, passenger and operator). You can easily transport the new "Mule", which measures 4 ft. wide by 8 ft. long and weighs 1,058 lbs., in the bed of a standard-sized pickup.

Power is provided by a 27 hp, 2 cyl., liquid cooled gas engine. Rack and pinion steering, and strut-type front end suspension, provide automobile-like handling, says Vosicky, who notes that the "Mule" is operated like a simple car. "A key starts the

engine. You simply move the shift lever (located on the dash) up from neutral into forward, release the parking brake, push on the gas pedal and go. There's no clutch pedal to bother with and no shifting on-the-go," explains Vosicky.

By flipping a switch on the dashboard, you can select the "locked mode" for driving both rear wheels when you need maximum traction, or select the "unlocked" position to drive only one wheel.

Available options include modular cab components: top, sides, doors and windshield. "In bad weather, the operator can use the fully enclosed cab," explains Vosicky. "If the operator only needs protection from the sun, he can just install the top."

The new "Mule", manufactured in Lincoln, Neb., is priced at \$4,895 for a straight axle model; and \$5,195 for a differential axle model.

For more information, contact: FARM SHOW Followup, Kawasaki Motors Corp., U.S.A., 9950 Jeronimo Road, Irvine, Cal. 92718 (ph 714 770-0400).

PORTABLE LAMBING PEN WITH BUILT-IN CREEP AREA AND EWE HEADLOCK

Handy New Equipment For Sheep Producers

Sheepmen who've used it are sold on Sydel Manufacturing's new lambing pen that features a built-in creep area for lambs and an optional ewe headlock.

"We're selling them about as fast as we can build them," says John Lynch, inventor-manufacturer of the patented lambing pen system.

The pens (4 by 6 by 3 ft. high) are made of solid steel rods (3/8 and 1/2 in. dia.) that pin together for fast, easy assembly wherever needed. An 18 in. wide creep area, heated with lamps, protects lambs from ewes and provides a dry bedding area.

Lynch's patented new ewe headlock is available as an option for use with the pen

system, or you can buy it separately to adapt to an existing pen. Although designed primarily for ewes, it also "works great" for holding calves or goats, says Lynch. "For sheepmen, it makes ewe maintenance a one-person job. It adjusts for width and can be moved from pen to pen to contain ewes for grafting, milking, vaccinating or other treatment.

"A key feature of the headlock is its release mechanism," notes Lynch. "It's designed so the animal, when released, has to back out rather than go forward. Having to back out keeps the animal inside the holding pen when it's released."

As a rule of thumb, Lynch recommends

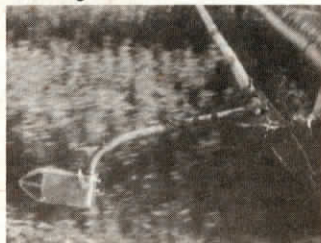
OUT-FRONT SONIC SENSOR GUIDES TRACTOR BY "READING" STANDING HAY

Swather Runs By Itself

"We start it up and let it run on its own," says Cordell Lundahl, inventor and manufacturer in Logan, Utah, of sonic controls that let a swather, tractor, combine or any other equipment run unattended in the field.

Lundahl's sonic sensor generates sound waves that bounce back to the sensor. It measures the time it takes for the sound to travel out and back to determine distances. Lundahl's sonic controls, which are encased in 5 1/4 in. long stainless steel tubes, have been used in hundreds of different farm and industrial applications where precise measurement of distance is required. Lundahl says they can also be used for many applications where an electric eye beam might otherwise be used. The advantage of the sonic unit is that it works even under dirty and dusty conditions.

To control the "driverless" swather, Lundahl mounted a sensor on an extension arm ahead of a hay swather. The sensor is wired into the hydrostatic steering cylinder on the unit. The operator makes the first pass through the field and then sets the sensor to "read" the edge of the uncut crop,



Sensor "reads" edge of uncut crop to guide the driverless swather.

guiding the machine precisely through the crop without an operator. Lundahl says it allows the operator to follow in a second machine cutting a second swath. The operator carries a radio shut-off switch for the driverless machine.

Lundahl's sonic sensors sell for between \$400 and \$600.

Contact: FARM SHOW Followup, Ezra C. Lundahl, Inc., P.O. Box 268, 710 North 6th West, Logan, Utah 84321 (ph 801 753-4700).

MAKES IT "ALMOST IMPOSSIBLE" TO RUN OVER CROP

New Toolbar Pivot Keeps Cultivator, Planter On Row

"We think it's the best guidance system ever," says Lee Nikkel, manufacturer of a new 3-pt. mounted system that pivots the toolbar rather than shifting it back and forth.

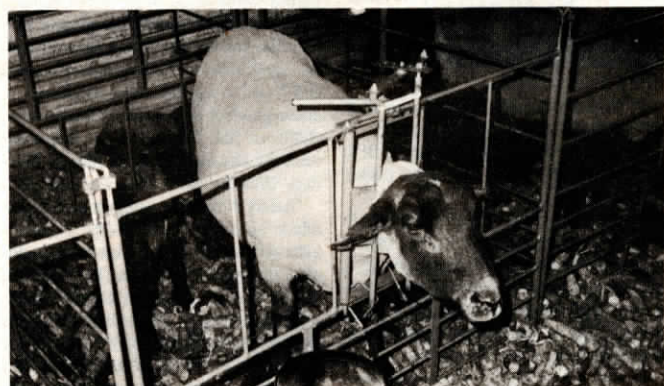
"There's no comparison between this system and systems that try to shift the implement sideways. This leads the cultivator or planter where it needs to go while other systems try to force it over. It's almost impossible to accidentally take out corn plants while cultivating with this system in place," says Nikkel of Sunco Mfg.

The all-hydraulic system simply plugs into the tractor hydraulics with two hoses. There's no monitor or other electronics involved. Two wire "feelers" sense the crop

- it should be at least 4 to 5 in. tall - and angle the toolbar back and forth as needed to stay on the row. The total amount of movement of the pivoting hitch is 2 in. forward and back on each side for a total movement of 4 in. Nikkel says that's more than enough to stay on the row no matter how inexperienced the tractor driver.

"You can use it with a planter by positioning the feelers so they follow the planter marker furrow. Works great to plant on ridges," says Nikkel, noting that the system stays on the 3-pt. and can be used on any 3-pt. mounted equipment.

Nikkel and the farmer-inventor who came up with the idea for the hitch, Gene



Headlock is designed so animal, when released, has to back out.

one lambing pen system per 10 ewes. After lambing, the pens can be pinned together to make up a creep feeding area for lambs.

Lynch recommends one ewe headlock per five pens. It sells for \$30.95. Cost of a self-standing, 4-sided lambing pen system is \$104. If you run several pens together, or

use an existing sidewall as one side of the pens, you can reduce per-pen cost accordingly.

For more information, contact: FARM SHOW Followup, Sydel Mfg., Rt. 1, Box 85, Burbank, S. Dak. 57010 (ph toll free 1-800-351-1477, ext. 352; or 605 624-4538).