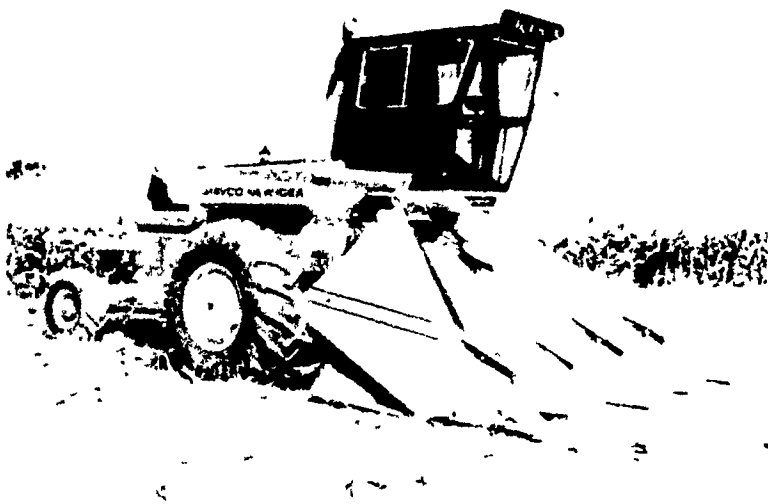


Farm Business News



The Avco New Idea Model 868 Forage Harvester features a precision eight-knife cutterhead.

New Idea adds harvester

COLDWATER, OH. — A 15-year veteran in the design and manufacturing of self-propelled forage harvesters, Avco New Idea has introduced the Model 868 Forage Harvester for Uni-System Power Units.

The 868 accepts the exclusive Avco New Idea 3-row row crop head which cuts and feeds corn planted in row spacings of 28 to 40 inches without a row width adjustment. The Model 868 Forage Harvester also accepts a 4-row narrow row crop head or a hay pickup built by Avco New Idea. In many areas ear corn grinding in the field is gaining popularity. This new chopper can be used with a corn head adapter and Avco New Idea's 4 and 6-row corn heads to

make high energy ear corn feed.

At the heart of the 868 is a precision eight-knife cutterhead with three rugged cast spiders to rigidly support knives. A new parallel bar linkage makes shearbar adjustment convenient and fast. Helical cut knives with a steep rake angle and a new trapezoidal shearbar design provide uniform cutting with minimum power requirements.

The Model 868 can be mounted on Uni-System Power Unit models from the 703 through 802 and it's part of the Avco New Idea Uni-System that offers farmers the economy of one power source to operate a forage harvester, combine, corn sheller, ear corn harvester, or snow blower.

Barn features removable sidewalls

KENNEDYVILLE, Md. — A new dairy barn that features removable aluminum sidewalls for summer ventilation has been constructed by Agri, Inc., of Ephrata, at Fair Hill Farm.

Major design characteristics contained in the barn's construction are labor efficiency and energy conservation.

The Fair Hill Farm operation includes a milking string of some 500 cows on a three-times-a-day schedule. The operation includes eight workers.

Ed Fry, owner of Fair Hill Farms, Inc., a family owned and operated business, notes that the

people at Agri were very cooperative about incorporating his ideas into the barn design.

"I'd give them my ideas, and they would work them into the construction," Fry said.

It was one of these energy conserving ideas that led Agri to select Reynolds Aluminum Rainlock painted farm sheet for both the roof and the sidewalls. Fry requested that the sidewalls be removable in the summer months for complete ventilation.

The lightweight aluminum siding particularly suited this application because of "its ease of handling;

(Turn to Page D7)



Large dairy barn at Fair Hills Farm, Kennedyville, Md. features removable aluminum sidewalls in the building's design, which

stresses labor efficiency and energy conservation.

Md. gets tobacco grant



Officials of Phillip Morris Tobacco USA and Phillip Morris International present a \$10,000 check to scientists and administrators for the University of Maryland's Agricultural Experiment Station to study tobacco harvesting. Shown, left to right, are Eftimios Andriotis, of Phillip Morris International; Barry C. Frey, assistant professor of agricultural engineering and chief research investigator for the tobacco

harvesting studies; Billy Riggan, of Phillip Morris International; James Miller, chairman of the University's department of agronomy; Larry Stewart, chairman of the University's department of agricultural engineering; Claude McKee, in charge of the University's Tobacco Research Farm; and W. Lamar Harris, director of research for the Maryland Agricultural Experiment Station.

Micro-Mist sprayer controls droplet size

CHAMBERSBURG — A faster, more efficient, economical alternative to conventional boom and aerial spraying of rowcrops, vegetables and orchards is now available through Ryder Supply in Chambersburg, according to sales manager Dick Faust.

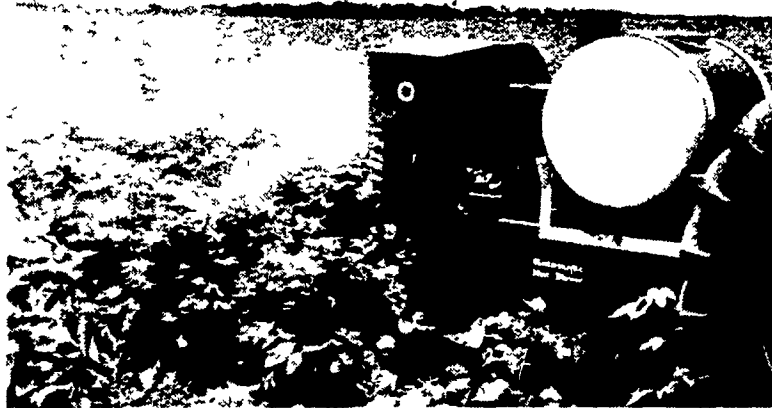
The Automatic Micro-Mist Concentrate Sprayer, a product of Automatic Equipment Manufacturing Co., Pender, Neb., takes mist blowing techniques a step further by giving the operator the ability to control the diameter of the spray droplets and choose the diameter best for each particular spraying application.

Controlling droplet diameter results in increased effectiveness and reduced materials cost.

According to test results, larger, heavier droplets produced by conventional spraying methods unevenly coat the target, and due to their large size, tend to run off.

The smaller droplets of the Micro-Mister coat all sides of the target evenly, due to the powerful turbulence produced by the unit. The Micro-Mister effectively coats the undersides of leaves, reaches inside trees, even coats the back sides of fruit.

The compact size and the



The Automatic Micro-Mist Concentrate Sprayer can be powered by the tractor pto for use on rowcrops, vegetables and orchards.

utilization of chemical concentrates by the Micro-Mister offers many advantages. The unit comes in models that can be powered by PTO on small tractors, or a gasoline powered skid unit that slides into the bed of any pickup. Because the Micro-Mister eliminates the need for cumbersome water hauling equipment that requires additional manpower and time-consuming stops for refilling, the Automatic Micro-Mister saves both time and money.

The Automatic Micro-Mister can offer effective coverage up to 250

feet, depending on application, and can operate at speeds up to 12 m.p.h., with no dangerous over-spray or drift.

Automatic has the Automatic Micro-Mist Concentrate Sprayer priced at about half the cost of a conventional boom system.

More information on the Automatic Micro-Mist Concentrate Sprayer is available from Dick Faust at Ryder Supply, Chambersburg, PA. 17201, or by phoning Automatic Equipment Manufacturing Company toll free: 1-800-228-9289.

SBM automates brooder system

LEOLA — S.B.M. recently has added automatic controls to its infrared heating line, according to Agri-Equipment, Inc., 2754 Creek Hill Rd., Leola.

The new controls are designed to save from 10 to 25 percent of fuel bills, SBM claims. By automating the controls the operator can dial into the master control the temperature that is desired.

This system eliminates costly

guesswork with individual heater controls, which cause overheating, or underheating.

Electronic ignition eliminates fuel wasting pilots and labor involved in lighting individual brooders.

Additional information is available from S.B.M. Infrared Heating, Box 3437, Fredericksburg, Va. 22402, or tel 1-800-336-2779