



Christian F. Wolf, Jr., of Millville, right, inspects a test plot of winter wheat with David Matthews, director of crops research and development at the Agway Farm Research Center near Tully, N.Y. The test plots are used to help select new crop varieties, develop improved production practices and evaluate crop protection programs.

Agway holds research tour

SYRACUSE, N.J. — Christian F. Wolf, Jr., a dairy farmer from Millville, and member of the board of directors of Agway Inc., reviewed the latest research projects and new technological developments at the Agway Farm Research Center near Tully, N.Y. recently.

Together with other Agway board members, Wolff toured the 500-acre farm where dairy, field crops, poultry, and energy utilization research is underway.

Substantial yield increases are resulting from Agway's integrated crop management (ICM) program a combination of variety selection, fertilization which provides specific crop nutrients, and pest

control programs.

A computer-controlled supplemental feeding system for individual high producing dairy cows received much interest.

The farm leaders also examined Agway's biogas generation and utilization research to create electricity on the farm, semi-solid manure storage and handling, and a new dilute pesticide handling system, which biologically transforms farm chemical wastes into harmless elements.

Agway is a 110,000 member farm supply and food marketing cooperative serving 12 northeastern states. It is headquartered in Syracuse, NY.

Save cobs when combining

CHAMBERSBURG — Automatic announces the "Cob-Catcher Sieve" a device which will save up to 90% of the cobs when combining corn, according to Ryder Supply, Chambersburg.

The Cob-Catcher replaces the adjustable chaffer and the adjustable sieve in the combine and allows the cobs to drop through with the grain and go into the wagon. It is designed to direct air flow from the cleaning fan over the surface and keep leaves and husks moving out of the combine.

The result is a corn-and-cob

mixture which can go directly into an Automatic Roller Mill for processing into bunker, pit or upright silo. The Cob-Catcher Sieve gives you the best of both worlds — the convenience of combine harvest plus the nutritional advantage of earcorn mix.

For further details contact the manufacturer, Automatic Equipment Mfg. Co., Department NR, Pender, Neb. 68047, or the distributor, Ryder Supply, Box 219, Chambersburg, Pennsylvania, 17201, 717-263-9111.

Md. man gets corn post

SPRINGFIELD, IL — The Board of Directors of the National Corn Growers Association (NCGA) concluded their annual reorganization meetings with the election of officers at the twenty-fifth national convention of the association held here. These officers will serve as the officers of the NCGA Board of Directors during the 1983/84 season, and will assume their respective offices on October 1.

They are:
President. John Stevenson, Circleville, Oh.; 1st Vice

President: Varel Bailey, Anita, Ia.; Secretary: Ray Schaub, Ithaca, Mich.; Treasurer: Drew Stabler, Gaithersburg, Md.

Vice President - Legislation: Dain Friend, Warrensburg, Il.; Vice President - Market Development: Irv Sether, Jackson, Mn.; Vice President - Membership: Harold Cutler, Scotland Neck, N.C.; Vice President - Public Relations: Jerry Franz, Poynette, Wisc.; Vice President - Research & Education: Don Sjogren, Funk, Neb.

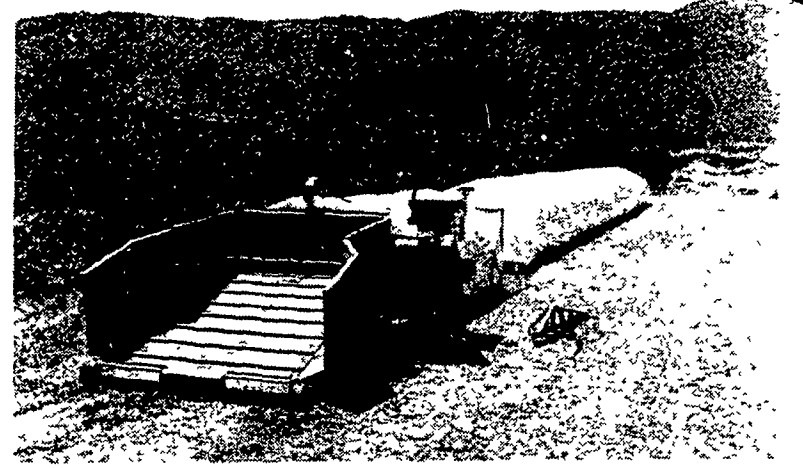
Ag-Bag offers 3 models

ASTORIA, Ore. — Feeding adequate quantities of high-quality forages is the basis of profitable milk and livestock production.

As an example, corn silage is tops in pounds of digestible energy or pounds of milk produced per acre of crop. If harvested at the correct time, and otherwise properly managed, the yield of Total Digestive Nutrients (TDN) may exceed 8,000 pounds per acre. But, when corn is harvested and fed as grain, much of the feed value of the crop goes unharvested. Only 50 or 60 percent of the energy value of the corn is in the grain. The remaining 40 to 50 percent is in the form of stalks, leaves, tassels, husks and cobs.

Bagging of the corn silage, or any other forage, takes this one step further. The great benefit of the bagging is the feed comes out of the bag at the same nutrient level as it was harvested and bagged, even though feeding may take place a year after it is bagged.

A leader in the bagging field is Ag-Bag Corporation of Astoria, Ore., manufacturer of the popular Ag-Bagger machine and the only



Among three models is the Ag-Bagger, M-300 motorized diesel.

company with the two layer plastic bag capable of holding 150 tons of silage.

The Ag-Bagger machine, that compacts the feed into the bags, is now available in three models that give the farmer a choice of power options. There is a motorized unit that is self-powered by either a diesel or gasoline engine, or the power take off hydraulic unit that

is a combination of tractor power and hydraulic versatility. The third model is a gear box model utilizing the power take-off of the tractor.

An option front end feed table to the machine hopper or a side conveyor allows the choice to handle any field harvesting equipment out-put on the market today.

Feed bicarb in hot weather

GAINESVILLE, Fla. — Hot weather is here and dairymen can help cows achieve optimum milk production during the stress of these hot summer days by feeding them sodium bicarbonate. Recent research at the University of Florida shows that heat stressed cows produce more milk and milkfat when bicarb is added to the ration at 1 percent of the total dry matter.

David Beede, dairy nutritionist at the university, says that sodium bicarbonate probably prevents a drop in rumen pH that often occurs in hot weather.

"In addition," he says, "many dairymen feed a fairly high level of concentrates during the summer since they know that feed intake will be low. A higher concentrate level allows for greater total nutrient intake, but also contributes to higher rumen acidity. Sodium bicarbonate neutralizes this acid."

Besides buffering, sodium bicarbonate is related to different mineral requirements of cows under heat stress conditions. Potassium is one of these minerals.

Over the past three years, Beede

has studied mineral needs of dairy cows and found that hot weather creates a greater need for potassium. That's because cows lose potassium through sweating. Plus, milk contains .15 to .17 percent potassium — even higher than its calcium content.

After further research, Beede discovered improved response to added potassium if the diet also included supplement sodium above that normally recommended.

"There appears to be a relationship between potassium and sodium that is analogous to the well-known link between calcium and phosphorus in dairy feeding," he explains.

So, sodium bicarbonate provides necessary sodium in addition to buffering needed when cows are subjected to high temperatures.

Research conducted between June and September, 1982 showed that cows produced over 2 lbs. more milk per day — a 5 percent increase — with bicarb added. Milk fat content increased from 3.42 percent to 3.57 percent for bicarb-fed cows. And, when milk production was corrected to a 4 percent fat basis, cows produced 10 percent more with sodium bicarbonate. That compared to

only a 4 percent FCM increase when extra sodium was provided by added salt (sodium chloride).

"This demonstrates that the buffering with bicarbonate was important," Beede points out.

Although Florida cows endure hot weather five to six months of the year, cows in every major dairy state are subject to heat stress, too.

Weaver honors safe drivers

NEW HOLLAND — Six Victor F. Weaver, Inc. truck drivers were recently recognized for accident-free records.

Drivers honored for driving over one million miles without a preventable accident were Lee Weaver, James Stoltzfus and John Musser. These three drivers plus Gordon Landis, Barry Dissinger and Raymond Weaver were also cited for ten or more consecutive years of safe driving.

The drivers received cash rewards totalling \$3,800 as part of Weaver's Truck Driver Safety Incentive Program and Safe Years Award Packages from the American Trucking Association.

Hollinger Farm Supply honored



Hollinger Farm Supply, Master Mix dealership in Lititz, was honored recently by Central Soya Company, Inc. for outstanding sales and marketing achievements during the past year. The dealership received the Century Club Award at the 5-Star Dealer recognition weekend held recently in Atlantic City, N.J.

Holding the award is Tom Weidman, Owner and Manager, of Hollinger Farm Supply. Pictured with Tom are his wife, Kathy; Gordon Bierman, left, North Atlantic Division Sales Manager, and Merle Altstiel, Eastern Regional Director of Operations.