

IH tractors, F-30, F12, F-14, F-20, I-12, O-10, 300, 340, 600 pair of R44 Silverkings, consecutive numbers 609-455-4493 Salem Co. NJ

1981 King 4H gooseneck w/large dressing room, low mileage, \$4500, '94 Ford Explorer XLT, \$13,000. 814-625-2771 Centre Co

Oliver OC3 dozer, \$2500, IH B275 diesel tractor, 35 hp w/sickle mower, \$1700, MF 180 diesel, \$3500 410-658-2886 Cecil Co.

Cochins-large fowl, Blue, Black, White, Silver, Lared 301-898-0333 Frederick Co

Meat grinder, elec motor, all in one tabletop size, works OK, \$135 OBO. 610-926-4722 Berks Co

New 8x12 insulated shed w/windows, good for shop or pets, \$550, 172 Black Creek, East Earl, PA Lanc. Co

Ford Work Master #601, diesel, exc. cond 717-469-2445 Dau. Co

Appx. 15 ton mixed hay, nice, no rain, attractive price if you take all; 1 ton buckwheat 814-364-1261 Centre Co.

1959 JD 730 diesel elec start, factory wide front, new tires, eng. overhauled, new PTO, 3 pt., sharp 814-247-8937 Cambria Co

Square 10 ton feed bin, \$50, 4 ton fertilizer spreader, w/PTO, \$300, 6"x12" auger, 5"x10" auger, \$75 ea 717-444-3968 Perry Co

45 acres, 400 head vean barn, poultry breeder house, 2 trailer lots, out buildings, 4 septic systems 302-349-5957 Sussex Co., DE

Painted rockers (2), 1 antique, other not sure 215-945-5093 Bucks Co

Coleman cabin tent 13'x8' w/carrying bag, \$65, ping pong table, \$45, all accessories 610-489-7997 Montg Co

Chocolate lab puppies, 2 males left, shots, wormed & papers, nice parents, great w/kids, \$275 ea 610-562-0407 Berks Co

1991 Arctic Cat Pantera snowmobile, new cond loaded, 2,500 orig miles reverse 2 up sled, elec start saddle bags 610-683-7800 Berks Co.

Timothy hay, no rain \$3/bale, straw \$1 25/bale firewood, \$75/cord, nursery supplies 717-292-6697 York Co

NH 311 & 273 baler, bale engine mounts & rebuilt engines, bale chutes & steel wheels. 717-442-1009 8-8 15 a.m Lanc Co

1987 Olds Cutlass Cruiser s/w, blk, good cond, full power, has 3rd seat, good tires, \$1200. 610-286-6742 Lanc Co

IH M63 rear 3 pt. mounted cultivator, 36" adjustable to 30", 4 row \$350. 610-944-9819 Berks Co.

House & pony carts on steel or rubber, 100 Blank Rd., Narvon, PA 17555, Lanc Co

Combine, 205 IH \$1000, Oliver #73 2 row corn picker, \$600, Oliver Superior #76 drill w/grass, fertilizer, 13-disc, \$700. 717-532-3640 Cumb. Co.

1948 Farmall Cub tractor w/belly mower, snow plow, rear wheel weights, tire chains, good cond., \$2200. After 4 pm, 814-448-2715 Huntingdon Co.

1987 Fruehauf 42' steel flatbed Budd Wheels, 11x22 5 radials, \$3700, 40' alum. storage van, roadworthy, fair cond., \$1100 717-436-6459 Jun. Co

Manure spreaders, NI ground drive Buy, sell, trade, repair 717-786-3387 Lanc. Co

100 hp 4BT3.9 Cummins diesel, good cond., 304-229-5826; 90 hp 371N Detroit power unit, rebuilt, 100 hp, 6329D, JD power unit rebuilt. 717-733-3890 Lanc. Co.

Alfalfa balage, round bales, good quality, 2nd & 3rd cuttings, will deliver. 717-656-6352 Leola. Lanc. Co.

6 bldg. lots, 1-5A to 6A, 1 lot w/pond, some partially wooded, beautiful country setting, financing, 20,000 to 40,000. 717-758-1562 North'd Co.

Keystroker model K4 stoker w/motor and rebuilt gearbox; manual, \$50. 610-987-6674 Berks Co.

1952 Chev. 3/4 ton p/u, good sheetmetal, Pa. title no bed engine, or trans. hac Chev. V8, \$800. 717-665-3586 Lanc Co.

Select hard maple hardwood flooring, like new 1700' left, \$1.90/sq. ft Write: KKK, 515 Woleber Rd., Myerstown, PA 17067

JD B 1937 stuck rough w/VG F&H round spoke wheels frt & rear, \$2200/firm 610-793-2194 Chester Co

Leley rake tedder, 3 pt 2 rotors, model 300 tractor tire rear, 18.4-34, 75% rubber, 3D 55 combine SB 410-239-8252 Balt. Co

Well schooled TB Bay gelding, 15H, 10 years, started over fences, quiet, \$2000 neg. 717-569-7734 Lanc. Co.

Timothy grass or clover, 2nd cutting in 31"x34"x8 bales, \$120/ton 607-776-9280 Steuben Co. NY

Antique carpenter's bench, 19th century w/2 wooden vises attached, \$600 OBO; Griswold #12 fry pan, \$45 610-916-1350 Berks Co

Snowplow 10' Meyer blade, \$1100, 11' P/A state plow, \$1500; '12' grader blade, \$1200, 1960 Willys Jeep, \$1000. Rich, 717-726-7545 Clinton Co

AKC Akita pups, farm raised w/children, ready 12-16, females, \$325, males, \$275. No Sunday calls, 610-857-0197 Chester Co

2 reg 4-H milking shorthorn heifers, bred in June, grand & reserve grand champ at fair 717-658-2092 Sny Co

Heavy Woolrich hunting suit, size 44, like new, junior hunting bow 717-682-3791 Sch Co

Dynamark riding tractor w/36" mower deck & snow blower in good cond, \$350 OBO 717-367-6882 Lanc Co

Sorrel riding mule, 16 hands, works sgl or dbl, exc. disposition, easy to catch/trim feet, \$800 814-349-5536 Centre Co

Massey 44 tractor-loader for 22 cultivator for 30 belly mower for pony mower, for pony manifold F226 301-334-2980 Garrett Co

New Parker lawn sweeper, \$275, 1959 Chevy Impala, 2 dr, hard top, V8, runs exc, solid car, \$5000 610-856-5075 Berks Co

MF 102F industrial loader now on MF 50, but will fit others, all hyd., good cond, \$900 OBO. 201-337-7722 Bergen Co NJ

Matched pair 5 yr old Belgian geldings, Sorrel w/blond mane & tail, 17, 18 hands, well broke. 717-661-9251 Lanc. Co.

Forge gas fired 250,000 btu w/electronic ignition, compl w/blower, valves, tools, like new cond. \$450 BO 973-697-1515 Morns Co

JD 720 diesel 3 pt nice, \$4500, Farmall Super M, power steering, restored, \$2600, JD 3 pt 3 bttm plows 717-292-6699 York Co

Front weights for 520 thru 230 JD 12 swine hubs & head for unstyled Woods A 717-284-4505 Lanc Co

1992 & 1993 JD airplane banks new in box, 2 reg. Black Angus show heifers, halter broke, email at JBaer17943@aol.com. 717-235-5189 York Co

24' planer, \$1,950, 2000 lb. platform scale, \$225, pallet jack, \$200; 10' plastic mulch layer, \$500; hospital bed, \$100. 717-286-5306 North'd Co.

Pheasants, Red/Yellow, Golden, Silvers, Swinhoes, Blue Eared; Partridge: Barbary, Hungarians; Qdall: Valleys, Gambel, Blue Scale, Mexican Speckle. 717-934-2360 Susq.

2-horse bobsled, exc. cond., compl. w/tongue & double tree, red w/blk. hardware, \$550. 717-432-8265 York Co.

Hess trucks, 1977, \$165; 1980 van, \$275, 1987 smooth tanker, \$125; 1988 \$55, 1989 \$55 After 5 pm, 717-423-5288 Cumb Co

ET bulls, breeding age, dam, 45,000 lbs. milk, exc 90 pts, great cow families, other bulls avail, will deliver. 717-865-2943 Leb. Co

4-Her, has steer grooming stand, used once, \$200; heifer calf, born 4-2-98, Angus Simmental cross, \$250 717-697-6882 Cumb Co.

1966 F100, 2 whl 6' box, restorable or for parts PO Box 249, Sch. Haven, PA 17972 Sch Co

2 lg. white Sanaan goats, males, 3 yr olds, good pets & lawn mowers, both neutered, \$50 ea. 610-670 1804 Berks Co.

3 wood stoves, Frontier, Ashley & Vigilant, \$75-\$150; kerosene wicker perfection deluxe \$200; 75' cable 1/2" \$20. 717-426-3996 Lanc Co.

Baby feeder pigs, \$35 ea., choice of 2 litters 717-686-3480 Pike Co.

G.E. Hotpoint microwave ovens, 1000W, good for home office, garage or apt, \$35 ea 610-399-5184 Chester Co

NH 770 harvester, p/u, 2 row head, all good cond, \$1500 offer. 717-567-6183 Perry Co.

Purebred Jersey bull, 7 mos. old, papers, used to electric fence, delivery avail \$300 610-767-4735 Lehigh Co.

JD Rollmatic (3010) \$350, pair 7.50x16 front tractor tires, exc., \$60, JD 430 manifold, \$95 No Sunday calls, 717-548-4923 Lanc Co.

1987 Arctic Cat Pantara snowmobile, oil injected, independent suspension, liquid cooled, 44Occ, 4000 miles, 1st \$1000 717-274-5146 Leb. Co.

1991 Chevy 3500 HD utility bed, 454 auto, new paint, new tires, 15,000 GVW, \$9500. 717-475-3470 Northumberland Co.

2 row JD lister, JD LA pulley plow cultivator, starter lights, Ford single arm loader Lv mssg. for call back, 717-292-1303 York Co

Antique JD #8 forage harvester, 1 row corn & unique hay p/u heads, PTO drive, working cond, \$400. Lv mssg, 717-664-4707 Lanc Co.

12x70 mobile home, 3 BR, 2 full baths, deck & add'n incl, \$5,500 OBO Must be moved! 717-927-8225 York Co.

2 Bakers Pride oven P445 AC 230v, 2 door, like new, \$900/ea. Let nng, 717-687-7939 Lanc Co

Rissler 60 TMR mixer cart, \$2500 OBO; gleaner, 18 ft flex head for N or R combine, \$4000 OBO. 717-274-2640 Leb. Co.

MF 135 gas tractor, runs good, w/6' White rotary mower, \$3900 cash/both. 717-432-0006 York Co.

DeWalt 14" RAS, \$850, Rockwell 20" w/welder, \$950, Rockwell 24" Jig, \$175, Rockwell 14" Band, exc., extras, delivery. 717-664-3950 Lanc Co.

Free kittens, good mouse catchers, 717-733-1285 Lanc. Co.

Pool heater, 106,000 btu/hr, good cond, 1-1/4" pipe connections, propane, \$100 410-429-4509 Balt. Co.

Farm H, good cond., \$1150, IH #33 trip loader, 1 fair, \$200, 1 nice, \$450, NI sicklebar mower 610-749-0279 Bucks Co.

12x20 blue w/white trim storage shed, decent shape; custom built storage sheds, made to order, treated lumber. 717-687-8194 Lanc. Co.

1947 Desoto 4-door deluxe, stored 30 years, \$2500; 1949 Studebaker Champion 4-door, engine free, \$850. 717-538-3451 Union Co.

Ohio Dairy Ration Program Has Environmental Twist

COLUMBUS, Ohio — Knowing "what goes in must come out," Ohio State specialists have developed a software program that chooses feed that's not just best for the cows, it's also best for the environment.

The primary purpose of the new Ohio Dairy Ration Program (DAIRY), Version 5.2, is for farmers or feed industry people to formulate or evaluate rations for a given dairy herd based on animal characteristics and the types of feed available. But, the new program goes beyond that, said Maurice Eastridge, Ohio State University Extension dairy nutrition specialist.

"You can find manure management software packages and ration software packages, but finding a system that combines some features of the two is unique," Eastridge said. "Whether you mix your own feed or not, this program is useful to monitor feed costs and the nitrogen and phosphorus levels in your herd's manure."

For years, animal nutritionists have discussed the importance of not only looking at an animals' nutritional needs but also the environmental implications of the manure based on what the animal is fed, he said. DAIRY now allows users to instantly see how changes in the feed ration will affect nitrogen and phosphorus levels in manure.

"After testing nutrient levels in soils, producers can use the manure nutrient information from the program to approximate how much manure can be safely applied to their land," Eastridge said. "A laboratory analysis of the manure would be necessary to determine actual application rates to land."

In September, the U.S. Department of Agriculture and the Environmental Protection Agency announced a proposed Unified AFO (Animal Feeding Operation) Strategy that encourages livestock farmers to develop and implement comprehensive nutrient management plans (CNMPs) by 2008. This makes the manure nutrient aspect of DAIRY even more useful, Eastridge said. An AFO is defined as an agricultural enterprise where animals are kept and raised in confined situations.

As part of a plan, producers are asked to modify animal diets where possible to reduce the amounts of nutrients in manure, apply manure to land based on nutrient and organic matter content to minimize water quality and public health risks, and keep records that indicate the quantity of manure produced and its ultimate use, including where, when and amount of nutrients applied.

"We, as nutritionists, farmers and feed company representatives need to be thinking about the manure composition as we feed animals, and we need numbers to be able to monitor that," Eastridge said. "That information is integrated into the new version of the Ohio Dairy Ration Program, so people can see what manure nutrient levels are expected and use that information along with feed characteristics and cost to make ration decisions."

Including feed cost information in the program continues to be important because feed makes up 40 percent to 50 percent of the total cost of milk production.

"Income over feed cost is an in-

dicator of the profitable direction of an enterprise, so we integrate that into the program also," Eastridge said.

A farmer who puts in the type of feed, number of animals and amount of milk produced will receive information such as total feed cost per day and feed cost as a percentage of milk income, he said. This information can be obtained for up to 10 individual cattle groups — five lactating or milking groups, two dry groups and three heifer groups — or as a summary of the entire herd.

Other new features, of DAIRY include additional feed component information, such as lysine, methionine, starch and effective fiber; the ability to change preset animal nutrient requirements, easier saving and recalling of files; and increased user friendliness.

"We've made a lot of changes that make the program simpler to use," said Jim Lemon, Ohio State University computer systems developer. "We looked at how people were using the program and modified it so they could do some things they couldn't do before or do things without having to think as much about the mechanics of which button to push."

For example, creating feed mixtures is now much easier because a whole list of available feeds appears and farmers can click on the ones they want to use, he said. Previously, users had to select the individual feeds and enter information one at a time.

"If you understand rations, have a little bit of computer experience and understand a dairy herd, you shouldn't have any trouble using this program," Lemon said.

Additional features of the program include forming appropriate

feed rations at the lowest possible cost, using a library of feeds with typical nutritional information that can be modified if necessary, adding feeds to the feed library that weren't initially present, saving feed mixtures as a "feed" for use with more than one animal group, and selecting how much feed is given based on a desired end weight for animals or the number of animals in a group.

The first version of the Ohio Dairy Ration Program was developed in 1982. The program was totally revised in 1992, and the most recent update, Version 5.1, was released in 1994. About 800 people have copies of DAIRY in one version or another.

DAIRY is distributed on a single 1.2-megabyte 3.5-inch disk and operates with PC-compatible disk operating system (DOS) computers. Minimum hardware needed is 640 kilobytes of random access memory (RAM), a floppy drive, and a monochrome monitor. A printer is recommended but not required because all output information is available on-screen.

"We made changes to the program so it works better under Windows 95 and Windows 98," Lemon said. "So, it should run about any PC, all the way back to old, slow 286s."

The new version of the program can be purchased for \$75, or upgrades to previous versions are available for \$20 — shipping cost not included. Ohio residents will need to add sales tax.

For more information about the Ohio Dairy Ration Program, contact Eastridge at (614) 688-3059 or county offices of Ohio State University Extension. To purchase the program, contact Jennifer Winkler at Ohio State in Columbus at (614) 688-3143.

National Farmers Supports Dairy Relief

AMES, Iowa — Dairy Relief, Inc., a nonprofit, tax-exempt organization founded to provide dairy products which will help alleviate world hunger, has been presented a grant of \$50,000 from Dairy Farmers of America (IDFA).

In addition to the \$50,000 grant, DFA has pledged to match additional contributions from other sources dollar for dollar up to \$250,000.

Chartered in the District of Columbia, Dairy Relief, Inc. (DRI) seeks tax-deductible contributions from dairy farmers, dairy cooperatives, and others who want to help provide dairy products in areas of scarce food resources.

Gene Paul, president of National Farmers and DRI's new president, underscored NOF's support.

"National Farmers Organization was one of the original founders of Dairy Relief, contributing start up capital and voluntary support," he said. He continued, saying DRI will work with established international relief organizations to distribute dairy products in areas of need.

"We plan to keep our administrative costs to a bare minimum," said Paul. "We expect contributions to go into dairy

product purchases and we'll work with experienced organizations in the distribution process."

The new organization was founded in February of this year by representatives of the National Farmers Organization, Dairy Farmers of America, the Alliance of Western Milk Producers, DairyLea, and United Dairymen of Arizona. According to its bylaws, DRI seeks to assist other humanitarian organizations and the US Agency for International Development in providing dairy products to relieve world hunger. Tom Townsend, a retired dairy executive, serves as the organization's chief executive officer.

"Up to this point we've had about \$5,000 in 'seed money' to do the necessary research and legal procedures to set up the nonprofit corporation," said Townsend. "This \$50,000 investment by DFA will allow us to make our first purchase of dairy products. It also sends a strong message to others inviting their participation and demonstrating that we are serious."

For more information about DRI or to make a tax-deductible contribution, contact Dairy Relief, Inc., PO Box 1837, Springfield, MO 65801-1837.