

Pastures for dairy cows

UNIVERSITY PARK — In recent years, there has been a strong trend in dairying toward year round, drylot feeding, according to Jud Heinrichs, Penn State Extension dairy specialist. Mechanical harvesting and feeding of greenchop forages as haylage, silage, or hay have become a preferred method of feeding in many commercial dairy operations.

Pasturing is very difficult in terms of management because of the large size of most herds. Chopping increases forage utilization by reducing field waste and cutting down on some energy expenditure of the dairy cow when compared to grazing. However, equipment and fuel costs are much higher.

Heinrichs says that alfalfa-grass pastures will provide adequate protein for high producing dairy cows. Milk production can be increased by adding an energy supplement such as corn to the rations. Due to the large amount of protein in high quality forage, less grain is normally required to get maximal production than conventional ration. Basis for optimum supplementation of forages with grain concentrates would be to add only enough grain to bring the total ration digestibility to 67 percent, the point where digestibility no longer limits intake.

Pasture management systems for dairy cattle can be classified as continuous grazing and alternate or rotational grazing. Continuous grazing is a system in which cattle remain on one pasture throughout the grazing season. The preferred rotational grazing for high

producing dairy cows, is a system in which the pasture area is divided into several sections and time is allowed for regrowth between grazing.

This system is also referred to as strip grazing. The stocking rate of a pasture system is a very important management factor in efficient utilization of pastures. A heavy grazing system refers to a rate of stocking that will remove most of the available forage in a short period of time. Quite often a system like this needs a group of follow-up heifers or low producing cows in early spring and late fall to handle the excess forage.

The rotational grazing or paddock system appears to work the best in terms of productivity. The object of the paddock system of forage management is to provide a continuous supply of high protein, immature pasture for grazing throughout the summer. This means grazing the stands for only 2 to 7 days and allowing the pasture to remain in the growing or vegetative stage for an extended period of time which helps to keep the digestibility of the forage at its peak.

The role of pastures in dairy operations is very important and with increases in fossil fuel costs, may become even more important. In many areas of the United States during 4 to 5 months of the year, pastures can be utilized instead of using stored feeding systems.

While it may not be feasible to depend heavily on pastures for large dairy herds because of the large amount of land needed to support the entire herd, some use of pastures may be found for the herd.

MAILBOX MARKET

For Sale - 24 Smoker Bale Galvanized elevator w/wear corn chute. Good condition. 2 stainless steel milk strainers. excellent cond. 717-442-8750.

For Sale - 1974 Chev. flat bed, dump, 33,000 lbs gross. Seed oats \$3.20 bu. Fertilizer, clover, alfalfa. 717-444-3968. Perry Co.

For Sale - NH 283 Baler w/thrower, good cond. \$2550.00. Ford 208 18' Field cultivator 3 pt. \$325.00. Cumberland Co. 717-532-8856.

For Sale - New, 12' Little Giant grain drag, 707 NH Harvester, 48" SHP Hay Fan w/ducts; Lanc. Co., 717-367-7831.

For Sale - Package bees and 5-frame nucs available April 15. Very reasonably priced. Dauphin Co., 717-896-8637 evenings.

For Sale - 8 N Ford Tractor, econ., plus attachments. Berks Co. 215-488-1573.

For Sale - Haying equipment w/tractor hitches. D. B. Mower, Tedder, Dump Rake, 11 ft. grass seeder w/harrow. Berks Co. 717-865-4287.

For Sale - Ford 3 bottom 14" 3 pt. plow, Ford 201 8' 3 pt. disc, used little. 215-286-9467 Chester Co.

For Sale - Black Horse-size driving harness - excellent cond. \$175. Black walking Horse \$1300. Cumber. Co. N.J. 609-455-2458.

For Sale - green 2nd cut alfalfa hay 135.00 ton, nice 2nd cut mixed hay 120.00 ton. Lanc. Co. 717-653-5344.

MAILBOX MARKET

Notice - Portable sawmill, 471 Portable Power unit to be sold at Visscher's Auction one mile south of Ulster 4/16. 717-358-3048.

For Sale - Three 3,000 gal. fuel tanks never in ground, will load \$550.00. 1972 Ford F-600 Dump. Chester Co. 215-268-3485.

For Sale - J.D. Killefer 7 Ft. Offset Disc 20" diameter discs, 20 discs. Good cond. \$395. York Co. 717-244-7314.

Wanted - 10' Silo Roof. Windshield for Jeep FC-170. St. Mary's Co. Md. 301-475-2464.

Wanted - Massey Ferguson 2244 crawler for parts. Harford Co., Md. 301-272-7632 call after 6 p.m.

For Sale - Cat 955 H crawler loader, D.B. 995 tractor-2700 org. hr. clean at Chapman Auction 4/16. Bradford Co. 717-596-2252.

For Sale - 1975-2 horse trailer excellent cond. \$1350. Lanc. Co. 717-626-5995.

For Sale - Super M. Tractor w/mounted 2 row #234 NI cornpicker; Farmall M. Tractor; JD Harvester. Lebanon Co. 717-865-6585.

For Sale - Air Shocks, like new used very few miles only 35.00 complete w/air lines; GM pick-up mirrors. Lanc. Co. 717-354-9127.

For Sale - Border Collie puppies; Orchard grass seed; polled Charolais bulls and heifers one year old; Alfalfa hay. Lehigh Co. 215-756-6618.

For Sale - J.D. 246 corn planter 3 pt. new cond. \$500. Black hawk corn planter good cond. \$50. Berks Co. 215-777-4578.

MAILBOX MARKET

For Sale - Oliver Diesel 1855 good cond. Ind. Co., 412-479-2762.

For Sale - Large walnut tree, eight to nine feet clear. Please call 717-933-4430. Ask for Kenny or Jake. Berks Co.

For Sale - Horse - 4 yr old Part-Arabian gelding-halter brake Nice disposition & gentle; Dining set - Nice \$600. 717-225-1045.

For Sale - 3 hp. Universal milk pump; Jet pump 1/2 H.P. Good shape. After 5 p.m. 717-872-5710 Lanc. Co.

For Sale - I.H. 56 4 Row Planter Large fiberglass fert. & seed boxes extra nice cond. Perry Co. 717-789-3711.

For Sale - J.D. 3 pt. spring tooth cultivator, 4 row, like new. NI 2 row Corn picker. Northumberland Co. 717-538-5180.

For Sale - J.D. 630 Good cond. Fenders, PS, 3 pt. Tri. J.D. Van Brunt Drill, J.D. 3 bottom plow. 215-539-4733.

For Sale - J.D. 2 bottom 12" plow on rubber. 2 row 3 pt. Cultivator Bucks Co. 215-968-2503 after 6 pm.

For Sale - Hesston stackhand 10, 1 ton, equipped to stack corn fodder, \$4000 Wash. Co., MD 301-678-5296 after 7 p.m.

For Sale - 95 head of Charolais steer 800 to 900 Lb ave call 717-656-6763 Lanc. Co. no Sunday call.

For Sale - White No-till corn planter N/R, 7' chisel plow, 3-18" A&R plow, Ford 5000, tractor, Dauph. Co. 717-469-0245.

For Sale - Auto reset 3x16 3 pt. plow; small case farm tractor, 12' 3 pt spring harrow; grain drill; 717-345-4882.

For Sale - 8 H.P. Briggs and Stratton-verticle engine. Electric start 717-532-7590 Cumb. Co.

For Sale - 2 J.D. coulters spring tension heavy duty like new 2 row corn planter. No Sunday calls. Lanc. co. 717-354-9584.

For Sale - Warm morning coal stove w/iron plate, \$400. Lycoming Co. John K. Fisher, R.D. 1 Box 300 A, Allenwood, Pa. 17810.

For Sale - 1973 Gore 7 1/2 ft. x 20 ft. Gooseneck livestock trailer, also 20 ft. feeder wagon. Franklin Co. 717-264-8656.

For Sale - Oliver 520 Baler w/kicker very good. A.C. Combine P.T.O. w/Bin, used very little. Suzuki 90 Cycle. 717-776-5280. Cumb. Co.

For Sale - '83 Silverado 1 Ton Dually 454, 4 sp. loaded, 7,000 Mi. W/O W/O '82, 7 1/2 x 20 stock Trlr. 301-835-8587 MD.

For Sale - 3 year old Thoroughbred Mare 14.3 Green broke good maners Naver on track \$550. Best offer Lanc. Co. 717-653-5327.

For Sale - Two-wheel cart for garden tractor or ATC \$35.; 1983 HONDA ATC 185 \$1,265. - FIRM, Lanc. Co. 717-665-7631.

For Sale - J.D. 494 Corn Planter with fertilizer boxes. Good cond. \$400. York Co. 717-229-2522.

For Sale - New no-till disc from I.H. #800 Early riser cornplanter. Priced to sell. 301-452-5122 evenings. Harford Co.

For Sale - 1-Palor stove, 3 sections, self-feeder like new coal stove. John Weber Myersville Road Green Village, N.J. 07935.

For Sale - M.F. 3 pt. lift 2 row corn planter Lebanon. Co. 717-866-2976.

For Sale - 5 ton E.Z. Trail wagon running gears. 450.00 John A. Stoltzfus Star Route Box 24 Rebersburg, Pa. 16872.

For Sale - Big 4 J.D. Mower w/7' bar; Starline Litter Carrier. Gideon F. Lapp 264 Paradise Lane Ronks, Pa. 17572.

MAILBOX MARKET

For Sale - Reg. Nubian dairy goat kids, purebred & american, sired by Longman buck. Purebred Toggenburgs, some grade Nubians. Perry Co. 717-567-3554.

Wanted - 20-30 wooden pullet bins, tight slated floor & sides for bulk handling ripe tomatoes. Sch. Co. 717-889-3197.

For Sale - Bred Sows \$150/up Sows w/pigs by side \$200/up. 215-877-4275 till 11:30 p.m.

For Sale - AC 3 bottom 14" snap coupler plow. Cultivator for WD or WD45 AC tractor. Centre Co. 814-355-1647.

Wanted - 2 Good used tractor tires 10-38 or 11.2-38 Lackawanna Co. 717-347-6595.

For Sale - Bank barn, 30 x 60, slate roof, to be torn down York Co. 717-456-7309 weekdays after 6 p.m. weekends anytime.

For Sale - Reg. Toggenburg & Nubian goat kids, bred does, DHIR milk records & show wins. Bradford Co. 717-363-2440.

Wanted - Truck dump box for carrying about 10 tons topsoil, 10' long box. Luzerne Co. 717-735-5452 after 5 p.m.

For Sale - Mounted 2 way plows for Farmall Super A tractor. \$350. 914-439-4718.

For Sale - 2 Simmental-Charolais heifers & 2 Simmental-Angus heifers about 475 lb. average, \$.75/lb. Columbia Co. Nights 717-925-6607.

For Sale - Chevy Pick-up 1961 Six Cyl-1/2 ton 8' bed \$300. - Small rabbit pen \$10.00. Newark, Del. 302-731-5505.

Wanted - Sauder manure loader w/hydraulic bucket in good cond. Centre Co. 814-349-8201.

For Sale - Reg. Polled Hereford bulls, 9 yearlings. Popular bloodlines, perf. tested/accredited herd. Mineral Co. WV 304-289-3080.

For Sale - Farmall Cub with snow blade and chains. Excellent cond. \$1895. Sussex Co. N.J. 201-697-4359.

For Sale - J.D. Model 66 riding mower 30" Cut. 6 H.P. rebuilt engine. 215-445-4823.

For Sale - J.D. 440 crawler dozer; 7 1/2' angle blade & drawbar. Cambria Co. after 7 p.m. - 814-674-8873 or 674-5441.

For Sale - Complete 200 Amp electric service on pole, roll clear polythelene 40" w/dex3000' long. Lanc. Co. 215-286-6742.

Wanted - 1 1/2 H.P. Electric Motor 220 volts single phase type used on acorn barn cleaners Franklin Co. 717-263-2210.

Wanted - Power corn sheller. Dual drum grain cleaner. For Sale - 10x12 Range Shelter w/floor. Fuel tank w/pump. Berks Co. 215-683-5269.

For Sale - N.H. 56 rake \$800. J.D. transport disc. 28 blades. \$400. Berks Co. 215-286-5434.

For Sale - 70-4' hog slats 1/2 price Christ Esh 870 N. College St. Myerstown, Pa. 17067 Leb. Co.

Notice - Trade my upright exhaust system for your underneath exhaust system for 574 Int. gas w/WFE. Perry Co. 717-536-3241.

For Sale - Anderson Rock picker good cond. \$2500. Moline 5 star Diesel Fair \$1000. No Sunday calls Union Co. 717-922-1135.

For Sale - J.D. 494A Planter \$900. A.C. Heavy duty loader 5' bucket 950. A.C. wheel weights. Dauphin Co. 717-692-3616.

For Sale - Three Boars, one Dunco, one Hampshire, and one Yorkshire-Hampshire mixed. Real good stock. 215-267-2251.

PLANTER DEMONSTRATION

(The Best No-Till Stand)

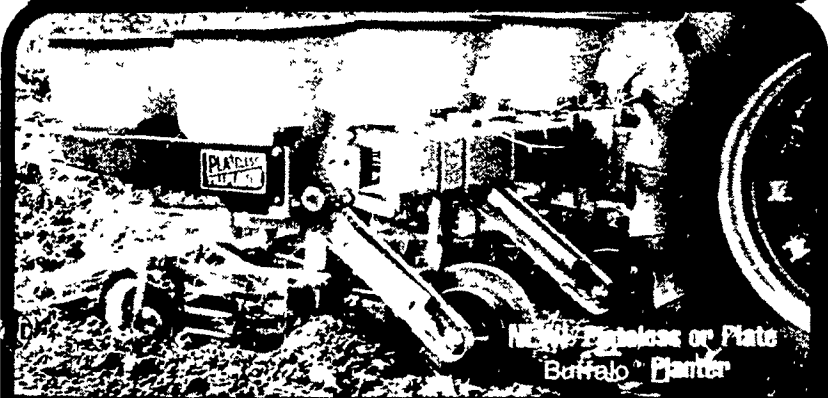
April 14th; Raindate April 21st

at

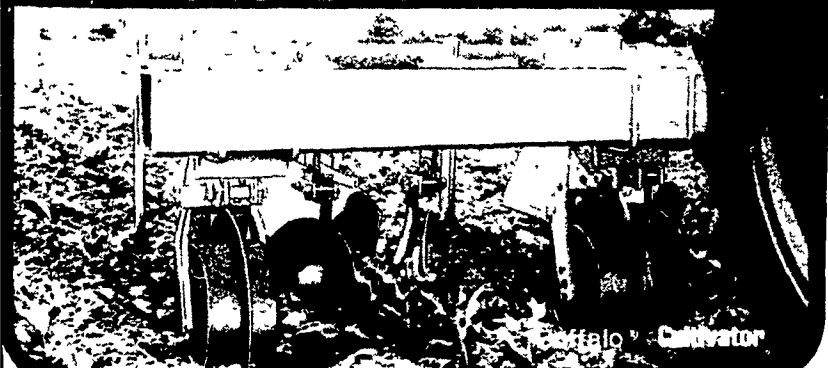
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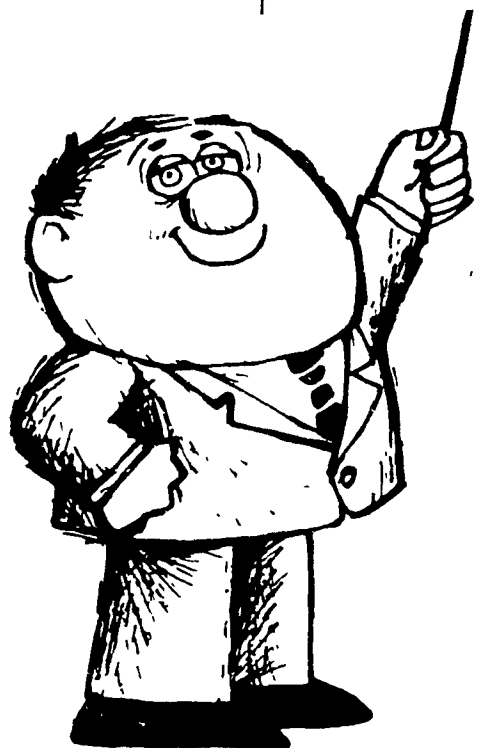
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