

Milk Protein Testing Predicted For Future

Ability of dairy cows to produce protein can now be determined by a new process--the first practical method for large scale milk analysis since butterfat testing was introduced over 80 years ago. The process is known as amido black dye binding. For the first time in history, the process offers dairy farmers a combined analysis for protein and butterfat.

Such protein analysis of milk will gradually gain worldwide acceptance, in the opinion of Dr. Manfred Kroger and Herbert C. Gilmore, College of Agriculture faculty members at Penn State.

Stimulus for a change to protein instead of fat analysis comes largely from public aversion to fats and from looming world protein shortages, Kroger and Gilmore point out in the Spring issue of "Science in Agriculture," the quarterly magazine of the Agricultural Experiment Station at Penn State.

Since protein content is so variable, a study is underway to determine the effects of

inheritance, feeding, and management on a cow's milk protein level. Over 9,000 samples are being tested monthly at the Penn State Central Milk Testing Laboratory. Samples are examined for both protein and fat.

Many protein testing methods have been proposed in the past. Only two, alkali steam distillation and dye binding, are accurate and simple enough to be used routinely and on a large scale. Automated milk protein determination by amido black

dye binding has become, and probably will continue to be, the best accepted of these methods, Kroger and Gilmore believe.

There are now two commercial protein milk testers operating at Penn State, produced by a company in Denmark. One is a manual model in the department of dairy science, used mainly for occasional research work. The other, an automated model, is combined with an automatic milk fat tester in the Central Milk Testing Laboratory at University Park.

25TH ANNUAL KEYSTONE STUD RAM AND EWE SHOW AND SALE

Farm Show Building, Harrisburg, Pa.

Selling Approx. 250 Head Purebred Stock. Breeds represented - Cheviot, Corriedale, Dorset, Hampshire, Shropshire, Southdown, Suffolk.

Show - July 13, 8:30 A.M. Sale July 14, 9:30 A.M.

Following the sale of the purebred sheep approx. 45 Wether Lambs will be sold suitable for 4-H and FFA club work. Weight range 35 lbs. and up. Dr. Robert D. Herr, Narvon, chairman of Wether Sale.

All breeds will have lambs and yearlings available.

Judge - Farrell Shultz, DeGraff, Ohio
Auctioneer: Hobart Farthing, Findlay, Ohio

Catalogs available from
Milton K. Morgan
1916 New Holland Pike

Lancaster, Pa. 17601

Ph: 393-2327

Birdbrain

Whatever the turkey's salient nutritional and economic qualities, it is not one of nature's brighter animals.

In fact, simply teaching newly hatched poults to eat can pose something of a problem. The starvation rate among some flocks can go as high as 5 percent when young turkeys fail to feed.

One remedy, turkey producers have discovered, is to place brightly colored marbles in the mash. The poult pecks at the marbles, his beak slides off into the feed, and after a dozen tries he finally begins to eat.

The turkey also has a drinking problem. If left too long without water, he will sometimes over-compensate by drinking himself to death.

Whole turkey flocks have been known to commit suicide after a low-flying aircraft causes panic in the ranks and the birds beat themselves to death against the sides of their enclosure.

PUBLIC SALE

Greenhouses, Greenhouse Supplies & Equipment Tractor, Ponies, & Household Goods

Thursday Evening,
July 5, 1973
at 6:00 P.M.

Located midway between Delroy & Yorkanna along Rt. 124 (East Prospect Rd.) in York Co., Pa.

2 greenhouses size 36 ft. x 150 ft. long of wood & glass, one is cypress wood & the other redwood, Fitzgiver low pressure steam boiler, 80 HP, 4,200,000 BTU gas with oil auxiliary burner; transmission for stoker, used 1 yr.; 5 sets of shade curtains each 150 ft. long; 4 smudge pots; steam cloths; meat case with compressor; wooden wheel barrow, artificial flowers & arrangements; thousands of flower pots of all sizes; flats & market packs, hanging basket; metal & plastic cut flower containers; garden hose; lots of other items pertaining to greenhouse supplies

VAC Case tractor with plow & 2 row cultivators. 2 Welsh ponies, saddles, bridles & other tack.

Cook stove, kerosene heater; some household furniture & other articles too numerous to mention. Terms - cash or approved check

Mr. & Mrs. Donald Tyson
York, Pa. RD9
Ph. 757-4217

Robert L. Sechrist, auctioneer
Ph. 382-4379
John Hope Anderson, clerk

PUBLIC AUCTION

By order of the United States District Court for the Eastern District of Pennsylvania Cause No. 72-307 SPREAD EAGLE FARMS, INC.

SATURDAY, JULY 14

at 10:00 A.M.

Sale will be conducted at the airport located along Route 25 West of GRATZ, Dauphin County, Pa. 16 mi. West of I-81, Exit 34; 45 mi. Northeast of Harrisburg.

FARM AND CONSTRUCTION EQUIPMENT

(2) International 1256 Diesel Tractors; (2) I.H. 7-Bottom Automatic Reset Plows; John Deere 2510 Diesel Tractor; (2) J.D. 4-Bottom Spring-trip Plows; (2) J.D. 406 6-Row Cultivators; I.H. 915 Combine (Diesel) with 15' Grainhead and 6-Row Cornhead; J.D. 105 Combine (Diesel) with 14' Grainhead and 6-Row Cornhead; J.D. "A" Tractor with Loader; (3) J.D. 6-Row Corn Planters 2 Plateless with Electronic Monitors; (2) J.D. 12' Disks Transport-type; I.H. Grain Dryer Continuous Flow 250 bu. capacity; Holland 2-Row Transplanter; (2) J.D. Gyromowers models 707 and 205; J.D. Sprayer with Fiber Glass Tank; (2) model LF 1094 John Blue Fertilizer Pumps; Little Red Wagon 300 bu. Osgood 35 Ton Dragline with 50' Boom & 1 1/4 yd. Bucket; A.C. model AD40 Grader; Galion Chief 12 Ton Roller; Worthington 105CFM Air Compressor; 400 KVA Generator; Sheepsfoot Roller, (2) Marquette AC-DC Shop Welders.

AUTOS and TRUCKS:

1967 Chrysler 4-Dr. Sedan; 1966 Plymouth 4-Dr. Sdn. 1965 Chrysler Imperial 4-Dr. H.T.; 1969 GMC Handibus; 1966 GMC 7500 series with Reefer Body; 1965 GMC 7500 series with Reefer Body; 1964 Chev. with Stoltzfus Fertilizer & Lime Spreader; 1968 Ford F-1000 Tractor; 1955 Chev. Walk-in; (4) 1944 White Half-tracks.

Terms: Cash or Certified Check on Day of Sale.

Sale subject to confirmation by the court. Confirmation of the said sale shall be held on July 23, 1973 at 10:00 A.M. at the United States Courthouse, 9th & Market Streets, Philadelphia, Penna. in Courtroom of the Honorable Alfred L. Luongo.

Darwin S. Harter and Lewis M. Koch,
Co-Trustees for Spread Eagle Farms, Inc., Klingers-
town, Pa.

George Deibert, Auctioneer, 717-425-2258
For information call: 717-425-2930 or 717-362-8678,
evenings)

LEAH GIBBLE'S PUBLIC SALE

REAL ESTATE, HOUSEHOLD,
ANTIQUES & TOOLS

SATURDAY AUGUST 11, 1973

Located in Heidelberg Twp. along route 897 - 1 1/2 miles west of Schaefferstown.



This is the actual picture of the Ranch type home, enter cement porch with iron railing on south east into hall with 2 built in closets, 1st room right den paneled in Knoty pine with shelves, build in desk book closet & wall to wall carpet, master bedroom with double closets, another bed room with single-closet, bath room with pink tileing & gray boarder, wash bowl with enclosed cupboard, large mirror, living room 21 by 14 facing south with large picture window with beautiful brick fire place has 13" rise topped with gray flagstone, all floors have inlaid linoleum, living room has gray rug on top. Dining room 12 by 12 has picture window facing north, kitchen 10 by 21 with plenty of cupboards with roll track drawers, picture window facing north, nice pantry with shelves, kitchen has outside entrance to west side & inside entrance to double car garage, special switch to open & close garage doors, 2 air conditioners go with the home, go to basement from kitchen, concrete basement under all of house, Losch hot water furnace baseboard heat, 405' never failing well with deep well pump 2 yrs. old, 1,000 gal. ceptic tank 2 yrs. old, 1,000 gal. fuel oil tank, water softener in good condition, lawn is beautifully landscaped, shade trees, evergreens, large Oak tree on South west lawn, half moon macadam drive way. This is a beautiful home in excellent condition & good location. Inspection of home July 28 and August 4 from 2:00 P.M. to 4:00 P.M. or by appointment call 949-3348 or 272-9757. Condition of real-estate 10 percent day of sale, Settlement within 30 days after sale.

REAL ESTATE TO BE SOLD AT 2:00 P.M.

Personal Property,

1970-302 Ford Torino with black vinyl top, 4-door, power steering, power brakes, actual mileage, 25,098 medium green with green interior, very clean, extra wheel, car will be sold after real estate.

Avocado Frigidaire electric 4 burner stove 4 yrs. old, Avocado Frigidaire washer & dryer 4 yrs. old, Avocado Frigidaire refrigerator with freezer on top 2 yrs. old, breakfast set with wing table with 3 chairs, General Electric upright freezer like new, Westinghouse freezer in good working order, Westinghouse refrigerator frost-free, 4 piece Mahogany bedroom suite with box spring & mattress, nite stand & vanity, walnut single bed with box spring & mattress, walnut bureau 5' long 20" wide with large mirror, Cherry Dining room table with 2 organ hinged wings 6 chairs one with arms, cherry Hutch with four drawers & three shelves with 2 glass doors, White electric sewing machine, 2 piece beige living room suite, 1 beige chair, 2 barrel chairs, 2 green chairs with wooden arms, upholstery rocker, brown bed leather sofa, red chair with wooden arms, wooden barrel back chairs, swivel chair on rollers, high chair 1 square cherry table with drawer, large square table with 4 boards, 3 chests, Bird of Paradise gray rug 9' x 12".

ANTIQUES - 4 old kitchen chairs, 1 chest, 6 benches, railroad watch., 2 horse blankets, black shawl & crocheted cap. Small chest with four drawers & magazine racks on each side, one arm exerciser, hand made block design stool, oval coffee table with glass top, other tables, 4 artificial plants, fireplace fixtures, real Craton plants one 5' high one 4' high in wooden buckets with metal bands, knee hole desk with drawer, 3 scenery pictures, other pictures, 2 floor lamps, table lamps, desk lamp, 3 sets of bedroom lamps, electric, Upright Hoover sweeper with attachments, Amana air conditioner 12 amp 9,000 B.T.U. 1400 watt 115 volts.

Kitchen clock & other clocks, small AM & FM radio, electric hedge trimmer. Variety of books, 2 electric blankets, cushions, linens & bedding, full set of American stainless steel, large strainer, kitchen utensils, Culco set of knives 9 pieces, General Electric carving knife, set of dishes 12 place setting, variety of novels, dishes, goblets, sherbets, meat slicer, large variety of cake pans all sizes & designs, 50 cases of new cake boxes size of box 11" by 17 1/2" 7 boxes in a case, Wheel Horse lawn Ranger 32"-6 horse power with snow plow blade, 40" Scott lawn seeder, 18" push mower, 5 lawn chairs, 20' aluminum ladder, small step ladder, tubs, hoses, garden tools.

CARPENTER TOOLS - 1/2" black & decker drill, quarter inch drill, Kraftsman electric hand saw, Electric Saber saw, small air compressors, carpenter table with vise, extension cords, battery charger, etc. You will find these items like new & in good condition. Lunch by Midway Church. Sale starts 10:30 o'clock.

Conditions by

ATTORNEYS

Mark Heisey - Auctioneer's - 272-9757

May's Kurtz

W. Shearer, L. Heisey - Clerks

Egli, Walter, Reilly & Wolfson - attys. at Law