

Animal biopsies improved

COLLEGE PARK, Md. — Researchers at the University of Maryland's Agricultural Experiment Station (UMAES) have developed a new biopsy method that should allow veterinarians to examine live animal tissue without using major surgery.

The procedure involves so little trauma to the animal, say the researchers, that periodic and repeated biopsies at intervals as short as four weeks are possible.

"This procedure, which we call a

'nondestructive' biopsy method, should become an important addition to our diagnostic and research arsenal," says Dr. Theodore H. Belling, Jr., a visiting associate professor with Maryland and Virginia's Regional College of Veterinary Medicine at Maryland's College Park campus.

Belling and Maryland assistant professor Dr. Michael J. Glade were principal investigators on the UMAES research project.

Belling and Glade said they developed the procedure so they could study abnormalities in cartilage growth in young thoroughbred horses.

The 30-minute procedure involves sedating the animal, administering a "field block" to deaden nerves in a small localized area, making a 1-inch incision, and removing a small plug of cartilage tissue, according to Belling and Glade.

The small incision is then closed and wrapped with gauze and tape, they explain.

After one day of supervised confinement, animals can be turned out into exercise pens, according to the two scientists.

"The research that led to this development is important because

ST. JOSEPH, Mo. — Anchor Laboratories announces Federal EPA approval of Permethrin II for direct application to beef and dairy cattle, swine, poultry, horses, and pets or their premises.

many young thoroughbreds suffer leg deformities that are the result of abnormalities in leg cartilage growth," Dr. Belling says.

"If we understand how these abnormalities come about, we may be able to develop way to prevent them," he says.

"Before we can understand these abnormalities, though, we have to have some way to examine the abnormal tissues.

"This procedure allows us to do so with a minimum amount of discomfort to the animal and little inconvenience to a practicing veterinarian," adds Belling.

Up to now, techniques available to obtain and study living tissue in live animals were limited, and offer required major surgery.

Producers can spray Permethrin II or 25% Wettable Powder on livestock to control face flies, horn flies, horseflies, stable flies, mosquitoes, lice, mites, fleas and ticks on animals. Both products can also be used on premise surfaces to control house flies, stable flies, spiders, mosquitoes, and fleas.

Permethrin II provides longer residual control on premises than many other insect sprays. This results in fewer applications and less cost for the producer. In addition, the product's flexible dilution rates adapt to a variety of animal and premise uses.

Conservation


slide show available

LANCASTER — Lancaster County is one of 23 counties in Maryland, Pennsylvania and Delaware receiving special help from the U.S. Department of Agriculture for controlling soil erosion. A new 11½ minute slide show, explaining the problem and looking at solutions in the Mason-Dixon Erosion Control area, is now available for showing to farm and civic groups.

"Soil erosion is threatening the long-term productivity of some of our best farmland," says Clifford Bienko, Soil Conservation Service. "We are targeting special technical and cost-share assistance to areas that have critical erosion problems".

According to Bienko, soil loss on cropland in the target area averages about 18 tons per acre annually. That's about five times greater than scientists consider allowable. Not only is this an economic loss for farmers, it also creates a water quality problem. Sediment, and the nutrients attached to it, has been identified as one of the major sources of nonpoint pollution to the Chesapeake Bay.

Bienko says the Mason-Dixon slide show is available free, on loan, to farm, civic and school groups. To schedule it, contact the Lancaster Soil Conservation Service Office at (717) 299-1563.



Kreider & Kline Auctioneers

PUBLIC AUCTION

FARM MACHINERY & POTATO EQUIPMENT

TUESDAY, MARCH 27, 1984

11:00 A.M.

Located from Quarryville take Rt. 222 South 3 miles, turn East on Blackburn Rd. Second farm on left.

John Deere 4000 diesel w/3900 hrs.; John Deere 2630 diesel w/3100 hrs.; John Deere 48 loader w/6 ft. bucket; F-125 3 bottom mounted plow; 3 JD cylinders; JD 660 manure spreader w/hyd end gate; JD 7000 4 row corn planter w/monitor cylinder; Myers 400 row crop sprayer high clearance, like new; 25-A weed sprayer; Wikomi super seeder; 13 ft. transport KBA JD disc; Brillion cultipacker; AC 303 baler; 1969 Int. 26000 lb. gross w/Omoha standard grain body & cattle racks, good cond.

Potato equipment— 2 row pull type Harvester Dalmun potato digger; 2 row JD No. 32 level bed potato digger; JD 212 2 row potato planter w/insecticide boxes; 4 pc. Haines 18" washer sorter table; Boggs potato grader; 24 ft. Haines potato elevator; 3 hole potato splitter; potato box on truck chasses w/variable speed motor; Warwick 2000 lbs. pressure washer; JD S-18 high pressure washer; 2 row tool bar harrow; 30 gal. Defalatan; 30 lbs. Temuck.

12 hrp Miller portable welder & generator, Model 55 DeLaval manure pump; 110 gal. gas portable fuel tank; acetylene hose tips and cart; Fry's portable loading chute; metal round hog feeder; 4 feed carts; 2 metal 4 ft. feed troughs; 4 chicken nests; platform scales; gas stove; camper top; Ithaco pregnancy checker; heavy duty vise; cast iron radiators; JD grain tester; Int. super 98 fencer; 2 sets cow clippers; show halters. Very few small items.

No out of state checks.
Refreshments available.

Reason for sale— Having sold their farm, the Groffs are discontinuing farming.

SALE BY
JAMES & LINDA GROFF
Auctioneers conducting sale:
Lloyd Kreider, Randal Kline,
Roy Good, Gary Shirk

Please support



LARGE FARM EQUIPMENT AUCTION

FOR CHARLES G. SUMMERS, JR., INC. CANNING CO.

THURSDAY, MARCH 29, 1984

at 9:30 A.M.

Located at 50 East High Street, New Freedom, Pa. Approx. 3 miles west of Exit 1 of Rt. 83 via Rt. 851 west.

TRACTORS

1976 J.D. 4430 D Tractor, WFE, Fully Equipped; 1968 J.D. 4020 D Tractor, WFE; 1966 J.D. 4020 D Tractor, WFE; 1963 J.D. 4010 D Tractor, TFE; 1969 J.D. 3020 D Tractor, WFE; 1968 Farmall 504 high clearance Tractor w/cab & Ag-Chem 250 sprayer and rope which for herbicide application.

FARM MACHINERY

J.D. #7000 4 row bean planter w/liquid fert. attach. & quick fill attach., also 2BA90366 rippled blades heavy duty cutter attach. w/down pressure springs & dry fert. boxes; J.D. #220 8 ft. disc w/cusion gang attach.; 2 J.D. #2500 6-18" bottom plows; J.D. 4 row rear mount cultivator; J.D. 3 section rotary hoe, 3 pt. hitch; J.D. 10 ft. 3 pt. hitch chisel plow; J.D. #33 precision seeder for mounting on tool bar; J.D. #3800 forage harvester (basic unit only); J.D. BWF 16 ft. disc harrow; J.D. #246 lima bean scuffer mounted on cultivator frame; J.D. front tractor wts., 13 coulters for J.D. plows; Int. 16 ft. folding harrow model #340; 3 FMC sweet corn harvesters w/J.D. mountings; Int. #234 corn harvester; 2 Osborne 2½ ton hyd. dump boxes side delivery; 2 Farmhand F98-C 1½ ton hyd. dump boxes side delivery; Tyler Tender Type V78-4 ton fert. spreader; Brillion HM 148 cultimulcher; Int. #550 forage harvester; 1300 gal. fiberglass fert. tank; New Idea 708 hydrostatic uni-power unit w/options 717 combine unit, 740 fast-tach feeder house, 7135 15 ft. flex soybean sm. grain head & straw chopper; Int. 2 pt. to 3 pt. conversion unit; Int. rear mount blade cutter; Int. harrow sections & parts; harrow attach. for front of J.D. grain drill; J.D. rear mount cultivators; J.D. #850 4 ton manure spreader; new tongue assembly for Brillion cultipacker; J.D. 4020 tractor rim; Int. wheel rims; spike tooth drag attach. for J.D. discs; Int. scuffer for lima beans; new scuffer blades for Int. scuffer, asst. parts for J.D. front mount cultivator; snow plow; 2 55 gal. saddle tanks; 500 gal. water tank; pickup truck fuel tanks; lot of new J.D. tillage parts, points, shims, chisel teeth, etc.; hand tools & many items not mentioned.

Anyone desiring additional information on any of the farm machinery may call the office at 717-235-3821.

TERMS: cash or approved check day of sale. Out of state buyers should have letter of credit from the bank which check is drawn on, unless known by the owners.
Not responsible for accidents

Owners
CHARLES G. SUMMERS, JR., INC.
New Freedom, PA
Bob & Tom Sechrist, auctioneers
Anderson & Sechrist, clerks
Refreshment rights reserved

HENRY and CONNIE DEDRICK DISPERSAL

Whitney Point, New York

THURSDAY, MARCH 22, 1984

11:00 A.M.

Sale to be held on the farm on Hyde St. Use Exit #8 (Whitney Point Exit) off I-81, take Route #11 South 3½ miles from W.P. to Joyner Rd., turn onto Joyner Rd., go 1½ miles to Hyde St., make a left, 1st place on the Right. Watch for Arrows off Rt. 11

36 - TOP CATTLE — 36

26 Mature Cattle: 22 Holsteins, 2 Red & White cows, & 2 Black cows. This herd is on D.H.I.A. and giving a 50 lb. per day average with cattle in the following stages of lactation; 2 due July, 5 due Aug., 7 due Sept., 3 due Oct., 2 due Nov., and a few just fresh. Not a big herd, but a top herd with udders the way you like. Mostly all 1st Calf Heifers, with some 2nd Calf. 1 is a Registered Cavalier Daughter 10 Real Nice well grown Hol. Heifers from 6 - 8 mos. old Cattle have been Preg. Examined. Blood & TB tested and are eligible for immediate interstate shipment day of sale. Catalogs at Ringside.

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J.D. 4020 diesel Tractor; Ford 5000 (Hi-Clearance 5200) diesel Tractor; Allis Chalmers 5040 diesel Tractor w/AC Front End Loader; Oliver 4 btm. Semi-Mounted Plows; J.D. 12 ft. Discs; Brillion Spring Tooth Transport Harrow; Brillion Cultipacker; M.F. Grain Drill; J.D. 1240 Plateless Planter; 2 Lamco Self-Unloading Wagons on gears; 1 Lamco Self-Unloading Wagon on gear for Parts; New Holland Super 717 Chopper w/1 Row Corn Head & Pick Up Head; NI Short Hopper Blower; N.H. 467 (7 ft.) Haybine; N.H. 55 Side Rake; N.H. 269 Baler w/Thrower; Fahr 4 Umbrella Tedder; 3 Wagons; N.H. Skeleton Elevator; Hay & Grain Elevator; N.H. 519 Manure Spreader w/End Gate, real nice; 3 pt. Squealer Bush Hog, new last year; Pick up Cattle Rack.

Owners
RICH & KATHRY VERNAY

Order of Sale - No Small Items. Vernay Machinery sells first, followed by Dedrck Spreader & Hay and Cattle at Approx. 12:00 Noon.

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