

Sewage for fertilizer experiment reveals some long-term dangers

UNIVERSITY PARK — Pennsylvania State University have determined. Reporting three years of experiments testing sewage sludge on corn and soybeans, Dale E. Baker said cadmium could be harmful to the food

chain where contaminated sludge is used to fertilize plants producing food for human beings. In some areas of Pennsylvania, Baker and associates have found that sewage sludges with more than 300 parts per million of cadmium have been applied to cropland. "The effects of such additions on crops and ultimately on man are

irreversible," Baker affirmed. "Two pounds of cadmium per acre, for example, could maintain cadmium in crops at 5 to 10 times the normal levels for up to 100 years."

Results of the Food and Drug Administration's fiscal year 1973 total diet survey found that dietary intake of cadmium in the U. S. reached about 80 per cent of

the acceptable daily intake for this heavy metal as established by the World Health Organization.

Baker reported that soil testing methods have been developed to determine when maximum safe levels of zinc, cadmium, copper, and other trace elements have been reached. Maximum safe levels can be calibrated, he said, for farmers' fields. Such calibration uses results from soil tests, sewage sludge composition, and plant composition.

Cadmium accumulated in the human body, the Penn State scientist pointed out. He added that in certain industrial areas the total intake of cadmium is high

enough to associate this element with respiratory disorders such as emphysema, gastric and intestinal dysfunctions, anemia, osteomalacia or softening of the bones in adults, and hypertensive heart disease.

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SATURDAY, MARCH 20, 1976

Sale at 10:00 A.M.

TRACTORS — LOADERS — TRUCKS — CARS

Farmall 1066 Diesel, 444 gas with loader, 444 gas, 2 F-806 Diesels; 706 gas, 606 gas, Super W6, F-H's, M's, 460 gas, 560 gas, 560 Diesel, 400 gas, 350 Diesel, 300-w. blade, A-W blade, Cub with loader, Int. 500 crawler with loader, Ol. 60 with cults. Case 401 with duals, J.D. B, J.D. 60, J.D. 40, A.C., CA, B, 1966 Int. Co. - 1700 chassis & cab, 1965 Ford F-600 with car carrier body, 62 Ford F-800, 16 ft. body and hoist, 57 Ford 600 with 12 ft. body hoist, 47 Ford with 12 ft. body and hoist, 1970 Ford F-100 4 x 4 with Meyers plow, 70 Ford, 70 Dodge Dart, 70 Buick, 69 Mustang, 65 Cadillac.

BALERS — COMBINES — PICKERS — CHOPPERS

New Holland balers, Int. 56T, Ford 530 balers, Int. 403 combine with 4 row head & grain head, M.H. 90; Ford 1 row semi-mount and N.I. row pickers, Papec 92, Int. 36, Int. 16 choppers, several for parts.

PLOWS — DISCS — PACKERS — HARROWS

Int. 540, 311, 550, Int. 700 - 5 x 16 inch plows; M.F. 5x16, M.F. 4x16, Ford 3x16, A.C. and other plows of all description; 2 transport and other disc harrows, drag and carrier type harrows; Brillion MD-180, 12-4 cultimulchers, 8-10-12 ft. packers.

Windrowers - Hay Tools - Drills - Planters

3 - N.H. 460 windrowers, Hesston 260 self-propelled, New Idea 272 cutconditioner, new; N.I. and Int. rakes; Int. 100, 110, 27 V, N.H., N.I. mowers; Case and Kingwyse elevators; Int. 400 cyclo 4 row, 455, J.D., Ford 4 row, Int. 449 A, 56, planters; J.D. 18 x 7, Ontario 16 x 7, 15 x 8, 13 x 7, 16 x 8 drills, Int. No. 10 18 x 7 drill.

CULT'S. — SPREADERS — MISC. EQUIPT.

Int. 153 - 6 row cult's, Super C, Int. 4 row, Int. 455 - 4 row, 250, J.D. and other cult's.; Starline, Hawkbilt, N.I. and Int. spreaders; Int. 2001 loader; 3 pt. blade; Calhoun 850 fert. spreader, Bidwell bean combines, Gehl and Papec forage boxes; G.T. model 370 dryer, like new; sprayers; rotary cutter; field sprayers; etc.

GARDEN & LAWN EQUIPT.

3 - 7 H.P. Cadets with mowers, 70 Cadet, 122 Cadet, 123 Cadet with mowers; Bolens 1256, 1050 with mowers, A.C., Jacobsen, Agway, Ariens, Craftsman, AMF with mowers, other lawn mowers, chain saws and other items.

PLEASE NOTE — Another large offering of fine equipt. that will be sold to highest bidder. Few items may be sold and others added by sale day. Loading facilities. Lunch at Sale. Terms sale day.

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DRAFT HORSE & MULE SALE

WED., MARCH 17, 1976

12:00 Noon

At Sales Stables along Route 340, 2 miles East of Intercourse, 4 miles South of New Holland, Lancaster County, PA

One load of Mules and Draft Horses. Saddlebred Horses from Kentucky. One pair Sorrel Mules. One pair Gray Mules. One pair Palomino Mules. 6 Standardbreds for Kore Yoder. Also Local Horses. Also Standardbred and Saddlebred Horses will be hitched at 9:00 a.m. Tack sale at 12:00 Noon. Horses, 1:00 p.m.

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Farm Equipment Sale
Wednesday, March 24, 9:00 a.m.
Antique and Carriage Sale
May 21 - 22

PUBLIC SALE

FARM EQUIPMENT, HARVESTORE SILO

FRIDAY, MARCH 26, 1976

At 11:00 A.M.

At RED HILL, turn north off Rt. 29 at Red Hill Ford Garage to St. Paul's Church Rd., to 1st farm, in Upper Hanover Twp., Montgomery Co., PA.

Oliver 1800 diesel tractor w-Hydra Power drive, tricycle; Oliver Super 66 tractor; J.D. 530 tractor w-3 pt.; J.D. 2010 tractor; Massey Harris 35 self-propelled combine w-8' grain head; N.H. 269 baler w-pto thrower; N.H. Super 66 baler; Oliver 18 pto combine w-7' head, auger feed & hume reel; J.D. 894A rake w-rubber mtd. teeth; N.H. 55 rake; N.H. 818 forage harvester w-1 row corn head & windrow attach.; Gehl 300 forage harvester w-1 row corn & windrow heads; Gehl Hi Throw silage blower; Gehl 72 flail chopper; Gehl forage wagon w-flotation tires (front unload); Lamco forage wagon w-front & rear unload; (3) 4 whl. trailers w-bale sides; (3) 4 whl. farm trailers; M.F. 3 pt. 7' mower; J.D. 3 pt. 7' mower; J.D. 10 side mtd. 7' mower; J.D. 5 btm. 14" trip plow; (2) J.D. 3 btm. 14" trip plows; MC 9' No. 350 tandem transport disc; 3 sec. harrow; (2) 8' single roll cultipackers; J.D. 490-4 row corn planter w-dry & liquid fert. attach.; J.D. 290-2 row corn planter; 500 gal. Shur Crop liquid fert.; J.D. AT-40 4 row front mtd. cult. for late model J.D. tractors; J.D. 2 row cult.; Dearborn 3 pt. 2 row cult.; Dearborn 3 pt. weeder; J.D. 15 single disc grain drill on rubber; J.D. 7 hoe no-till grass seed drill on rubber; Lely 3 pt. fert. or grass spreader; Snowco Feed-O-Matic auger unload 2 whl. wagon; J.D. 3 pt. 100 gal. sprayer; Bradley bale elev.; Sauder front end loader w-2 buckets; N.I. 200 pto manure spreader; McKissic 3 barrel sprayer; Wood Bros. 1 row corn husker; Belt elev.; Mayrath 18' x6" grain auger; N.H. 10' lime spreader; Dellinger hammer mill; J.D. 1 tooth subsoiler; Clipper elec. seed cleaner; 75 locust posts; 700' snow fence; lot Jamesway stanchion yokes & stall dividers; lg. cattle water tank; feed carts; cement mixer; 10' x 40' steel silo; 20' x 60' Harvestore silo w-white roof & Hercules unloader. Terms on Harvestore 20 percent on sale day, bal. before disassembly.

Auct. Note: This is a large dairy reducing size of operations. Terms - Cash or check on sale day. Refreshments Served.

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COMPLETE DISPERSAL DAIRY CATTLE & FARM MACHINERY

The undersigned, discontinuing the dairy business, will sell the following at public auction on the farm known as Swiss Dale Farm located 3 mi. east of Rising Sun, MD on Hopewell Road. From Rising Sun, take Wilson Avenue to Hopewell Road, 3 miles to Swiss Dale Farm. (Cecil Co., MD)

FRIDAY, MARCH 26, 1976

11 A.M. Sharp
Signs will be posted.

ORDER OF SALE:

FARM MACHINERY: JD 4020 Diesel tractor, Int. 460 tractor, Int. Super MTA tractor, JD 115 chuck wagon, JD 112 chuck wagon, Int. chuck wagon, 2 hay wagons (with hyd. dump beds) Int. 990 7' haybine, Int. 30 wheel rake, Int. 56 blower, Century sprayer w-300 gal. tank, JD 13 hoe grain drill, Int. 46 baler w-thrower, JD 494-A 4 row corn planter w-herbicide tank, Int. 550 chopper w-2 row head, Little Giant 42' elevator w-motor & PTO, NI 501 loader, Int. 175 bu. spreader, JD 145 4 bottom 16" plow, Int. 9' disc on rubber, 9' cultipacker, Arps 7' scraper.

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