

## Reduce stress to keep pigs healthy

NEWARK, Dela. — Pigs don't always get sick when they come in contact with a disease-causing organism. There usually has to be some interaction between the organism, the pig's nutritional status, and its environment. Stress factors that weaken an animal probably have as much effect on its health as disease organisms do, says University of Delaware Extension livestock specialist Richard Fowler. Good management identifies and reduces stress-causing conditions.

Environment is one factor that can cause stress. Whether you raise your own feeder pigs or buy them somewhere else and bring them to your farm for finishing, they need good housing to grow well.

Their pen can consist of a pasture or woodlot, but it should be an area that hasn't had hogs in it before, or that has been reseeded between groups. Shade or open front shelter is essential for pigs in an outside environment. Chilling is a stress that slows growth and lowers feed efficiency in the young pig.

The environment should minimize disease challenges — not enhance them, says Fowler. Confinement housing should be designed to help the pig stay clean. Consider construction that allows high-pressure cleaning.

Clean water is a hog's most essential nutrient. Nipple waterers allow access to clean water. One producer who uses this type of system considers 10 pigs per waterer to be more ideal than 20. Two water lines permit the use of medication in one or more pens while the rest of the unit is getting plain fresh water. Since a stressed pig will often drink when he won't eat, water medication can be helpful.

Pen size and shape also are related to stress. Allow four square feet per pig for animals weighing 40-75 pounds. Increase the space to six square feet for the 75 to 125 pound pig, and eight square feet for 125 pounds to marketweight.

Pens that are one-half to one-third as wide as they are long with at least one-third slatted floor space seem to encourage better dunging habits, says Fowler.

A dry, draft-free sleeping area is also desirable. Solid pen partitions except over the manure pit or gutter increase pig comfort during cooler weather. In some barns a hover over the sleeping area to provide supplemental heat during cold weather improves feed efficiency and health of the 40 to 75 pound pig.

A well-nourished, growing animal is less

susceptible to disease. So check farm-mixed rations periodically for their protein, calcium and phosphorus content, to make sure ingredients are being blended properly.

Weaned pigs respond effectively to 18 percent protein levels until they reach 40-50 pounds. Lower the protein level than to 6 percent until animals reach 100-125 pounds. Finish them on 13 to 14 percent protein.

Fresh feed is essential. Empty bulk bins at least once every 30-60 days. Allow feeders to empty once a

week. Then check and adjust them. One feeder hole per four pigs is adequate after they get out of the nursery. Before then, one hole for every one or two pigs is better.

Air temperature and air quality also affect herd health. The pig must be comfortable. Animals that pile up are too chilly. Manure gases — especially ammonia — reduce performance. Bacteria aren't effectively cleared from the lungs of pigs exposed to 50 parts per million of ammonia, though this is con-

sidered a moderate amount.

Design mechanical ventilation and maintain it to remove stale, moist air. Check fans and louvers periodically for dirt. An occasional cleaning will improve their efficiency. Clean away dust and cobwebs

from around thermostats to maintain their sensitivity.

A good swine manager must be a keen, daily observer. He must act promptly when performance or behavior changes, in order to keep his herd healthy.

### FARMERSVILLE AUCTION TUESDAY, JUNE 23, 1981 5:30 P.M.

In Farmersville, 3 mi. east of Brownstown, Lanc. Co., Pa.

4 pc. large maple bedroom suite with dark finish with Queen size Cannonball bed & hutch mirror; Queen size Serta Perfect Sleeper bedding; bentwood rocker; 3 clothes trees; mah. drop leaf table; Tappan copper-tone refrigerator; glass showcase; child's wardrobe; crib; recliner; walnut bedroom suite; maple china closet; solid state portable B&W TV; waterfall dresser & double bed; 2 double maple beds; sliding door bookcase; double & single bedding; Maytag Wringer Washer; Victorian slant top desk; dishes; small items; etc. etc.

WE SELL ON COMMISSION

Call **JOHN J. RUTT**  
354-5095

Consignments being accepted for our Annual July 4 Antique Sale.

### PUBLIC SALE

**IRON WORKING SHOP TOOLS & ACCESSORIES SATURDAY, JULY 11, 1981 10:00 A.M.**

Located 1 mile Northwest of Schaeferstown, along Gobble Road, 1/2 mile North of Route 897, Lebanon County, Penna.

#### IRON WORKING TOOLS

Henley Lathe; 4 ft. Bed and Threading Attachment; Craftsman Lathe with 30" Bed; 6 inch 3 Joint Universal Chuck; Durocraft Industrial Floor Model Drill Press; 6 inch Rigid Band Saw; 200 amp. Century Welder; Millermatic Wire Welder and Spot Weld Attachment; OTC Hydraulic Tester; Tilt Arbor Table Saw; 10 H.P. Quincy Air Compressor; Ingersoll Rand 6"x7" Single Cylinder Air Compressor; Winco 10 K-W Single Phase Generator; Tube Flaring Unit; Homelite Chain Saw; 34 ft. Fruehauf Storage Trailer; 2=6000 gal. Heavy Duty Air Tanks; 24 Sections 4"x5" Tubular Scaffolding; 5"x24" Hydraulic Cylinders; 2"x4" Tubing Storage Racks; Odd Lots Various Sizes New and Used Iron; 200=100 lb. Condemned Bottle Gas Tanks; Framing Lumber; 3/4" Flake Board; 1" Insulated Panel.

#### NEW TOOLS AND HARDWARE

Pneumatic Impact Wrenches; Pneumatic Grinders; Pneumatic Sanders; Squirrel Cage Fans; Pneumatic Drills; Sockets; Air and Hydraulic Hose; New Express Wagons; 4000 lbs. Bolts; Pipe and Pipe Nipples; Steel Wheel Wagon Rims; 2 Farm Built Running Gears; Wagon Poles and Many Other Items. SPECIAL MENTION: Allis Chalmers WD 45 Gas Tractor On Steel With Rear Mounted Industrial Fork Lift; 1 1/2 H.P. McCormick Deering Gas Engine.

"DeVORAK IRONWORKER DEMONSTRATION"

CONDITIONS BY:  
**DAVID S. KING, Owner**  
EARL S. BUFFENMEYER, Auct.  
REFRESHMENTS BY  
CHERRY LANE SCHOOL

### LARGE 2 DAY PUBLIC AUCTION

FRIDAY, JUNE 26 9:30 A.M.  
SATURDAY, JUNE 27 9:30 A.M.

Don Howard Equipment, Canandaigua, NY

We've been working a week now getting this auction ready and the amount of inventory that is showing up is tremendously more than advertised. Instead of 60 antique & parts tractors there is more like 125.

Wisconsin Dealers - we have a whole section of new parts to sell you & over 100 used engines.

We welcome farmers & dealers & promise you that you'll be glad you attended.

Look for our more complete ad in this issue. Hope to see you all the 26th & 27th

SALE MANAGED BY: Ed Goodrich, Jr.

**GOODRICH AUCTION SERVICE**

(607) 642-0686  
Rt. 38 & 390  
NEWARK VALLEY, N.Y. 13811

### AUTOTORE'S AUCTION

SATURDAY, JUNE 27 starting at 9 A.M.

Bloomsburg, R.D. 3, (Frosty Valley Road), Off route 42 North of Bloomsburg to leg. Route 19026 just before Buckhorn Plaza (Follow auction Signs) to Pete Kaziak's Farm.

Selling three generation accumulation of **COLLECTIBLES - HOUSEHOLD - ANTIQUES**

6 pc. East Lake bedroom suite, walnut hall stand w/marble, Oak china closet w/bowed glass, 6 leg Oak table, Oak drop leaf table, Jelly cupboard, Oak stacked bookcase, side by side bookcase, Oak library table, 6 pc. Vic. parlor suite w. antique (gold & red), Empire chest of drawers, wash stands, 2 sets of 6 spindle back chairs, parlor stands, wicker rockers, wickers pcs., Jennie Lynn beds, Rope bed, meat bench, wood wash tub, Larkun desk, organ stool, walnut picture frames, caned seated rockers, odd chairs, Beech Wood & Coal stove w/water jacket, coffee mill, coat tree, broad ax, Calorie gas range, Maytag washer & dryer, 3 pc. modern bedroom suite, Pearlless oil fired furnace (new), wood block planes, buck saws, blanket rack, yarn winder, deep well pump and tank, Wayne pump, sml. balance scales, primitive tools, pocket watches, old eye glasses, app. 20 pcs. cranberry dishes, Fiesta ware, depression ware, tole ware, 2 crocks w/blue, crocks & jugs, 6 gal. crocks, new ladies shoes sizes 6-7 & 8, Sunbonnet quilt, Dresden dish quilt, Log cabin quilt, plus more, cookie cutters, stompers, Wm. Rogers flatware, Peru silver pcs., cast tea pot, Ansonia alarm clock, lot of alarm clock, mantel Seth Thomas clock, kerosene lamps, hanging light, salt cellars, brass pcs., hat rack, Coldport china full service, sad irons, baskets, lard press, bowl & pitcher sets, copper wash boiler, pattern glass, china egg, dehumidifier model T tool box, Clarinet, record player, 9"x12' green rug, 15"x20' green rug, 2 pc. living room suite, new blankets, cooking utensils, cast mush pots, Afghans, 30' wood ladder, 40' alum. ladder, plus many-many unlisted items.

TERMS-Cash.

Seller-**HARRY DIETZ**

Auctioneers-John Autotore 784-3506  
John Jr. 784-0381

### SPECIAL SALE

Feeder Cattle & Feeder Pigs

FRIDAY, JUNE 26

7:00 P.M.

Weekly Sales, Wed. 6:30 p.m.

Eggs, Poultry, Rabbits and produce. Vealers, Feeder pigs, stock cattle, lambs, fat cattle, cows and hogs.

We buy hogs private treaty all day Wednesday.

**THOMASVILLE LIVESTOCK MARKET, INC.**

Along Rt. 30, 6 miles west of York, 717-792-2248 - 717-229-2102

### PUBLIC AUCTION

ANTIQUES & H.H. GOODS THURSDAY, JUNE 25

AT 9:30 A.M.

Estate of Martha L. Rowe

Removed from residence to be sold at the Southern Manheim Twp. Fire Hall, Fruitville Pk. & Orchard Sts., Lancaster, Pa.

75 pcs. old Fostoria glass, depression glass, other glass & china, linens, towels, old banks, old toys, dolls, braided rugs, other rugs, straw baskets, needlework, jewelry, clocks, pictures, pr. Roseville vases, Fiesta bowl, S.S. brush & mirror set, sm. appliances, radios, portable stereo, yard items, clothes trees, tin cabs, hamper set, lamps, WW2 items, lots more.

#### FURNITURE

(To be sold at 1:30 P.M.)

Gov. Winthrop desk, (claw feet), Victorian sofa, Hepplewhite bow front dresser, chest on chest, vanity, poster bed, knee hole desk, chair, Jenny Lind bed, wing back chair, Duncan Phyfe table, tier table, (2) living room chairs, side table, hall tables, sm. book case, stack tables, oak kit. table (2) chairs, other of sm. tables, Mahogany dining room set (table, 6 chairs, buffet, china closet), Many more items; Lots more boxes still unopened.

ESTATE OF MARTHA L. ROWE

Executor-Lyndell Rowe

Auctioneer  
John H. Cooper  
717-665-5839

Not out of state checks

### PUBLIC SALE

**VAL. REAL ESTATE, HEAVY EQUIPMENT, TRUCKS, CARS, HOUSEHOLD GOODS, ETC.**

15 miles S. of Williamsport, Pa. 1 1/2 miles NE of Muncy off Muncy-Hughesville Rte. 405 Highway.

SATURDAY, JULY 18

STARTING 10 AM

With household goods. Cat 955L crawler-loader, s/n 85J8937, with ROPS canopy, only 100 hrs. on new tracks, 1 owner, very good; Cat D-5B, s/n 25X901, with 10' hyd. tilt balde, ROPS canopy, bought new 1979, 1 owner, only 1054 actual hrs., very good; Cat D-4 s/n 78A7384 with 10' apple blade; Case 580C diesel backhoe-loader s/n 897329, with enclosed cab, bought new in 79, only 702 hrs., real nice; 2 tractor-trucks; 3 sgl. axle dump trucks; 25 ton tandem lowboy; Landsay 80 CFM trailer mtd. air compressor, only 80 hrs., bought new in 80; septic tank pumper truck; fuel tank truck etc.; garage equipment, etc. Real Estate 1:30 PM. Consists of 154'x100' lot with a 1 story 5 room (2 bedrooms & full bath) modern modular home with attached breezeway & 30' x 40' 2 car garage with 10' high overhead doors. Modern kitchen with built-in stove & dishwasher. Finished basement with sandstone fireplace, paneling, carpeting, etc. To view this home with lots of potential dial 584-2363 or 546-6631. RE Terms: \$3000. down, bal. in 90 days.

Owners:

**C.E. SONES EXCAVATING**

Carl "Gene" & Florence Sones

(Due to health reasons-

makes sale necessary).

AUCT. MAX FRALEY & SON, 546-5631 & DICK CRITTENDEN AUCTION CO.

Listing Later.