

Take heat off hogs

NEWARK, Del. — Poor reproductive performance this summer can add insult to injury for pork producers already reeling under the impact of low hog prices.

Research shows that heat stressed sows and boars are less fertile and produce fewer offspring, reports University of Delaware extension livestock specialist Dr. Dick Fowler. And right now hog farmers need every production efficiency they can get, just to break even.

Hot-weather stress on boars causes a reduction in

sperm concentration, motility, and quality. Sperm production completely stops in some heat-stressed boars. Others may suffer only slight reductions. To maintain peak reproductive performance, keep boars cool.

This means keeping them at 86 degrees F or less, twenty-four hours a day, seven days a week. It can take from 3 to 12 weeks for a heat-stressed boar to regain normal fertility.

To keep animals comfortable, Fowler recommends providing them with



Summer comfort, hog-style, keeps young boar cool under small trickle of water. This and other evaporative cooling systems help keep pigs comfortable and improve hot weather reproductive performance.

heavy shade and cross ventilation. Also, use a concrete wallow or sprinkler system. A sprinkler can be operated 2-5 minutes every 30 minutes.

This allows time for evaporation to take place. Water evaporating from the pig's skin provides the cooling. Evaporative cooling pads, fans, and air conditioners are other ways to keep boars cool.

In a pen mating system, breed only during evening hours. Stress of breeding during the warmest part of the day can reduce a boar's fertility.

Recent research suggests that day length may have an effect on estrus in sows, but until more evidence is available, emphasis should

be on sow comfort. Keep sows at 86 degrees or less during and for two weeks after breeding. This will help assure conception and implantation of the embryo to the wall of the uterus.

First litter sows do not rebreed as quickly as those that have had two or more litters. To compensate for this, maintain a larger gilt pool during summer months and cull females that are over 10 days returning to estrus after weaning.

Check sows and gilts for estrus activity early in the day. Pregnancy check those not showing estrus 30 days after breeding.

Reproductive performance is heritable in pigs, says the specialist. Unfortunately, little research is presently being done regarding this trait. But selection and good management are effective ways to achieve more than the 7.4 pigs per litter and the annual 1.6 litters per sow which are current national averages.

Swaffar honored by livestock association

KANSAS CITY, Mo. — The National Society of Livestock Records Association has announced the election of Paul Swaffar to honorary membership in the organization.

"This honor is particularly significant since Paul Swaffar is only the second recipient of honorary membership in the 69-year-old organization," said Harold Boucher, secretary of NSLRA.

Swaffar, former executive secretary of the American Hereford Association, served as president of NSLRA from 1958 to 1965. He was instrumental in enlarging the organization to include all the livestock registry organizations.

Current membership in NSLRA totals 53 breed associations including dairy, beef, swine, sheep, goats and horses. Virtually all U.S. breed registry organizations are current members.

Serving the American Hereford Association for 13 years, from 1954 to 1967, Swaffar was recognized internationally as a leader in breed association activities. In 1961, the AHA installed a computer system for processing registrations, transfers and the business affairs of the Association, becoming the first breed association to utilize computer processing.

A native of Oklahoma and graduate of Oklahoma State University where he was a member of the livestock judging teams, Swaffar was the high individual in the

Chicago and Fort Worth Contests, and second high in Kansas City.

He received his Master's degree from, and served on the staff, Virginia Polytechnic Institute. He served as Virginia's Beef Cattle Extension Specialist, was secretary of the Virginia Hereford Association, and was the first manager of the Atlantic Rural Exposition.

In 1947, Swaffar became the American Hereford Association fieldman in the Southeast and in 1949 became director of the AHA's field staff. In 1952, he was elevated to the post of assistant secretary and then became the AHA's seventh executive secretary in 1954.

In making the announcement, H.H. Dickenson, current NSLRA president and American Hereford Association executive vice president, said, "It is particularly gratifying to me to see the many contributions of Paul Swaffar recognized in this manner. While his principal role was that of secretary of the AHA, his dedication to the purebred concept and principles that guide it was never more evident than in the leadership exhibited in this organization."

"Those contributions established the basis on which this organization functions today. I hope the entire livestock industry will be made aware of this recognition to a man who meant so much to all species of purebred livestock."

EPA to examine impact of sewer plant on farms

LEOLA — The Environmental Protection Agency will prepare an Environmental Impact Statement in conjunction with municipal planning of wastewater treatment facilities for Leola, Lancaster County.

In the planning study, Leola will consider the technical feasibility and cost of various treatment options. EPA's analysis will cover the environmental, social and economic impact of each alternative.

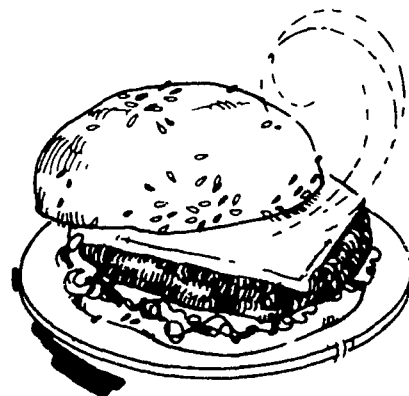
In particular, EPA will determine the effects on the local Amish community and prime agricultural land and how to avoid or reduce any negative impact that may result.

Both studies are expected to be completed within a year.

The EPA then can provide the Leola Sewer Authority with 75 to 85 percent of the funds for planning, designing and constructing the wastewater treatment facility approved through the Facilities Planning/EIS Process.

EPA invites public participation in the study processes. In order to explain the Facilities Planning and EIS Process, gather citizen input, and answer questions, a meeting will be held on Tuesday, July 15th at 7:30 p.m. in the Leola War Memorial Building, 54 West Main Street, Leola, Pa.

For further information, contact Jim Webb, EIS Preparation Section, U.S. Environmental Protection Agency, 6th and Walnut Streets, Philadelphia, Pa. 19106. Telephone: 215/597-8333.



CHEESE ON BURGERS

a picnic delight

ESTATE AUCTION

THE WILLIAM J. PIERCE COUNTRY STORE

Warwick, Pennsylvania

SATURDAY, JUNE 28, 1980

9:30 A.M.

GUNSMITHS SHOP * GUNS & EQUIPMENT *

TOOLS & STEAM ENGINES

Located on Old Rt. #23, in the Village of Warwick, 6 miles East of Morgantown, and 18 miles Southwest of Pottstown, Pa. in Chester County.

HEAVY EQUIPMENT:

German Vollmer-Werk Precision Grinder, 8" Southbend Precision M/C Lathe, Vollmer-Werk Biberach-Riss Multi Purpose Punch, Walker Turner Bench Drill Press, Foley Carbine Grinder, Foley Saw Sharpening M/C Model 51, Foley Saw Set M/C, Autool Automatic grinding M/C, Ideal German Welder, Duall Welder Model DBW-5, Burr-King B50-25, File M/C, Acme Circular saw sharpener, Saturn Sigrist & Moller AKS 600 Precision Grinder, Saturn Precision Grinder As-4, Nelson 100 Grinder, Band Saw Toothsetting tool, Craftsman Grinder on stand, Acetylene Tanks etc.

GUNS:

Approx. 65 guns incl; Parker D/B 20 ga shotgun, (2) Parker 12 ga. D/B shotguns, Ithica 410 shotgun, LeFevre 410 D/B shotgun, Ithica 12 ga. S/B shotgun, Fox Sterlingworth 1911 12 ga, Fox Sterling worth 12 ga D/B, (3) Winchester .22 ca, (2) Winchester 12 ga, (2) Winchester 20 ga, Marlin 22, Marlin 30/30, Winchester 30/30, Winchester 45/70, Remington 22, GOLCHER LONG RIFLE W/CURLY MAPLE STOCK, (2) U.S. Springfield 22, Western Arms D/B 12 ga, GEW Mauser .257, U.S. Springfield 30.06, U.S. Springfield breech loader, Colt 22, (2) Colt 45, (3) H & R 22's, H. Pieper 12 ga D/B hammer, H. Hamilton D/B 12 ga, Stevens 22, PISTOLS: A. Waters Cap & Ball, Middtn, Conn 1848 Cap & Ball, pair U.S. Haston Co. 1851 Duelling Pistols, Middtn, Conn 1838 & 1844 Cap & Balls, U.S.R. Johnson Cap & Ball, Colt "Camp Perry" .22, Colt "Woodsmen" 22, Smith & Wesson, Colt Etc Handguns, 1846 U.S. Haston Muzzleloader, Civil War bayonets, (7) Civil War power flasks, Sword with Ivory handle, etc.

GUN ACCESS, PARTS & HAND TOOLS:

Gun Stocks, Ammunition, Gun Carrying cases, Gun racks, shells and bullets, gun books of all types, pigeon hold. boxes, chests of tools, small anvil, animal traps, knives, scissors, elec clippers, band saws, hand saws and hand tools of all descriptions, machinist tools, open end wrenches, grinding wheels, saw blades, bench vises of all sizes, nail pullers, squares, pulleys, trouble lites, motors, belts, clamps, wire cutters, funnels, files & hammers, planes, blacksmith forge, auto jack, oak box of machinist tools, propane gas heater, 1913 thru 1919 Oval Penna Metal license tags, etc.

STEAM ENGINES:

Fedders 1903 Hot Air and Steam Engine, Upright Steam engine, miniature steam engines - gas powered, upright heat powered solar windmill in miniature, plus other steam engines. (Some of these steam engines were displayed in the Kinser Show)

ALSO: Car Parts, Packard Instrument Panel, Ornaments, Etc. 5' Globe Lighthouse Pot Belly Stove, Koehler Generator Power Plant Etc.

IMPORTANT NOTICE:

All Guns are from Pierce Private Collection and will be sold according to Pennsylvania Rules and Regulations. Inspection morning of sale only, since guns are not being kept on the premises, Guns sold approx. 1:00 p.m. followed by heavy equipment.

TERMS: Cash

LUCY PIERCE
WILLIAM FENNELL
Executor

James Cunningham - Attorney
Auctioneers
Clay C. Hess 489-7127
Richard J. Moyer 948-8050

PUBLIC SALE OF PERSONAL PROPERTY

The undersigned will sell in Culbertson, 1 mi. west of Rt. 11 along 997 on:

SATURDAY, JULY 21

At 10:00 A.M.

12x15 round metal corn crib to be moved, Farmall H tractor and loader, one owner; cultivators with tractor mower, 7" cultipackers, farm wagon with flats, 2 bottom pull plow, saw mandrell, 30" endless belt, broad axe, Stewart clippers, wagon jacks, bench vise, anvil, barshare plow, David Bradley garden tractor and equipment, large winch, 2 rope and tackles, Dectecto scales, gear reduction box, deepwell pump, lawn sweeper, power driver, drill press with motor, building jacks, platform scales, metal chicken nests and feeders, brooder, miscellaneous hand tools, new and used bolts and nuts, copper apple butter kettle and stirrer, 5 gallon and 50 gallon drums, clipper windmill, metal and wood cabinets, riding lawn mowers, electric Myers, marble top coffee table, new air conditioner, full set of National Geographics, encyclopedias, pictures and frames, lot of books, some dishes, 2 plank bottom chairs, floor lights, typewriter, can opener and knife sharpener, apple peeler, canning jars, jugs and crocks, Wilton 9x12 rug, ink wells, wall telephone, electric fans, lawn chairs, oil heater, 2 gallon milk bucket, Dutch cupboard, 2 mortars and pestles, old projectors, lot of fence posts, lot of used lumber, big pile of junk iron, lots of small items too numerous to mention. 1967 GMC pickup truck, excellent condition.

TERMS: Cash.

GRACE R. SNOKE

Kenneth M. Upperman and Pete, Aucts.