

Ag research returns high investment yield

UNIVERSITY PARK - Land-grant college research to improve food supplies is yielding some of the highest returns on investments of any business—as high as 52 per cent, says B. R. Baumgardt of the Agricultural Experiment Station at Penn State.

The 52 per cent is the return on investments in certain areas of animal research, Baumgardt reported.

"Even when the return on tax monies spent for animal research is only 17 per cent, as in some years, that figure would please most investors," he noted.

Research investment yields anticipated for the 1978 to 1980 period are placed at 30 to 40 per cent for soybeans, corn, poultry, and dairy products. Investment yields are expected to reach 46 per cent for wheat and 52 per cent for swine research.

The highest anticipated return on research is in potatoes, exceeding 100 per cent. In contrast, investment yields in 1977 averaged 5 per cent for municipal bonds, 8 per cent for long-term savings and preferred stock, and 9 per cent on utility bonds.

He reported investments in most fruit and vegetable crops return 30 to 40 per cent annually over costs of research.

Baumgardt took his figures from a study made for the federal Office of Management and Budget.

He pointed to the need for increased food production throughout the world. Births account for 80 million more persons to feed worldwide each year, with some 500 million persons already poorly fed, according to United Nations estimates.

"As population continues to grow, and incomes in

many countries climb, demand for U.S. food production will rise to levels never known before," he predicted.

World food supplies came under severe stress in 1973 and 1974, he noted, due to a variety of reasons. Since then, grain crops in particular have been fairly large.

"Such periods of ample grain supplies often lead to lowered support for agricultural research as legislative groups tighten

purse strings when grain bins seem full," he observed.

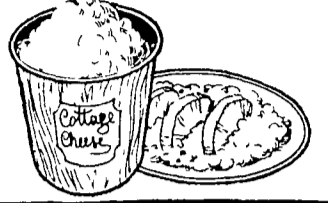
"But even in times of abundance, not all agricultural products are plentiful at the same time through the world. Right now, some animal products, especially beef supplies, have been somewhat limited. Energy costs have sky-rocketed for all phases of the economy. Overall food prices have risen sharply."

Listing what he termed "other serious agricultural problems to solve," he

mentioned soil erosion and the farmer's dependence on non-renewable resources such as oil, natural gas, and coal.

Other vital needs involve problems with new and complex plant and animal health, and threats to the environment from pollution. Then there are problems of preserving agricultural land and of establishing health and community services for more rural areas.

"Our research task is complicated," he said, "since most of the easy problems have been solved. The really tough ones remain. The task requires basic research to study complex biological processes and to unravel more of nature's intricate mysteries. Time, many years in some cases, will be needed to achieve a return on investments."



PUBLIC LAND AUCTION

TUESDAY, JANUARY 15

AT 12 NOON

Adjoining the borough of Kutztown and Kings Shopping Mall, just off US Rt. 222, east of the former Kemp's Hotel along Kemp St. and Bowers Rd., Maxatawny Twp., Berks Co., PA.

Land consists of approx. 115 acres open land without buildings. Zoning is R-1, contains 1000's of ft. of road frontage, limestone soil.

For inspection call 215-683-3414 or 683-3413.

Auction held at the farm building site.

TERMS: 5% day of sale, owner financing available at 10% int. for 12 yrs., contact Auction Co. for details.

Ordered by:
BALDWIN & MERKEL

Conducted by,
RALPH W. ZETTEMAYER AUCTION CO.
Route 100 & Claussville Road
P.O. Box 215
Fogelsville, Pennsylvania 18051
(215) 395-8084

PUBLIC SALE

OF VALUABLE TRUCKS - TRACTORS -
SHOP EQUIPMENT - TOOLS & PERSONAL PROPERTY
SATURDAY, JANUARY 12, 1980

At 10:30 A.M. Sharp

At R.D. #12 York, Pa. on Mt. Pisgah Road opposite Sam Lewis Park. The undersigned who is going out of business will offer at public sale the following -

TRUCKS, TRACTORS, ETC.

1973 Chev. C60 Custom Deluxe truck with 16 ft. dump bed, 2 sets of sideboards, hoops with canvas top, inspected with radio & heater, 35,000 miles and in very good condition, 1964 Ford camper special ¾ ton pickup truck, radio & heater, inspected, 8N Ford tractor, 7 ft. mounted mower, Sauder manure loader, Int. 504 gas tractor with 3 bottom mounted plow, 2 row tobacco planter, 12 ft. low boy trailer with dump bed has electric brakes, Mitts & Merrill chipper Model #TR120T4 motor recently overhauled, two wheel rubber tire trailer, Gravely Super convertible 36" rotary mower, disc harrow, Ford one bottom 2 way plow, 1970 AMF Snowmobile

SHOP EQUIPMENT, TOOLS & PERSONAL PROPERTY

Lincoln AC 225 AMP welder with helmet & extension cables like new, McCullough 36" - 16" - 14" chain saws, Echo 24" chain saw, B&D ½" drill, B&D 7¼" electric saw, B&D hedge trimmers, grinding wheel, 2-40 ft aluminum extension ladders & other ladders, wooden scaffold bucks, gas can, pump - ladder & roof jacks, load binders, come alongs, pulleys, log chains, tractor & truck chains, Davey White transit, extension & drop cords, push mowers, combination pruning & pole saws, mitre box saw, pruning shears, new & used rope, can of driveway sealer & roof coating, asst paints, electrical wiring, roll of concrete reinforcing wire, approx 1,000 ft of asst cables, wooden tool box for pickup, numerous piles of used lumber, 12 sheets of ½" exterior plywood, approx 75 - 10" cement blocks, approx 400 new bricks, 2 stacks of slate, several bundles asphalt shingles, pile of asst. aluminum siding & galvanized roofing, several bundles of cedar shingles, wood & coal furnace, approx 1½ cord of split wood, shop refrigerator, wooden wheelbarrow, hard hats, asst hand, garden & concrete tools, asst. nuts, bolts, nails and small hardware items & other articles to numerous to mention. NOTE: Trucks, tractors, chipper & trailer will be offered at approx 1 P.M. Not responsible for accidents on day of sale Refreshments by Yorkana Fire Co Terms Cash or Approved Check

JOHN M. SMELTZER

Jacob A. Gilbert, Auctioneer

Good's Auction

111 North Maple Ave.
Leola, PA

Hay, Straw & Grain Sales
Every Wednesday
12:00 Noon

Farm Machinery

First and Third Wednesday
January thru November
starting at 9:00

With 6 Auctioneers

Tools and Hardware
Lawn & Garden Equipment

12:00 Noon
Farm Machinery - 12:30

No out of state checks
No household Goods, no clothing.
No poultry Equipment or scrap tin.

**DAVID H.
GOOD & SONS**

RD 1 Leola, PA 17540
717-656-9558

PUBLIC SALE

OF
REAL ESTATE
SATURDAY, JANUARY 12

at 1:00 P.M.

(Corner Property w/1½ Story Frame House w/White Asbestos Siding)

Loc. At 1800 Temple Ave., Manor Twp., Lanc, Pa (take Lincoln Hwy West of Lancaster to Lemon Tree, turn left onto Dickenson Ave., loc at corner of Dickenson & Temple Ave.'s.)

REAL ESTATE

1½ Story, 5 room & full bath frame house w/white asbestos siding Contents kitchen w/elec stove, lg living room, lg dining room, 1 bedroom & full bath on 1st floor, 2 bedrooms & storage room on 2nd floor, full cement basement, elec baseboard heat (well insulated), elec water heater, well & cistern water, (city water available), city sewage hook up, alum & wooden storm windows & doors, also attached frame 1 car garage, paved driveway, lg lot w/lawn, trees & shrubs Lot Size 120' frontage along Temple Ave by 100' depth more or less Property open for inspection Sat 12:00 - 3:00 Jan from 1 till 3

Sale by:
BERNICE E. HERR

Ralph W. Fry Jr Atty
Howard Shaub Auctioneer 464-3541
and Roy C. Probst 464-3190

PUBLIC SALE

OF
HOLSTEIN DAIRY CATTLE
& **FARM MACHINERY**
WEDNESDAY, JANUARY 16

9:00 a.m.

Located 2½ miles northeast of Waynesboro, Franklin County, Pa., just back of Waynesboro Country Club. The undersigned farming due to health problems.

67 HEAD OF HOLSTEIN DAIRY CATTLE

39 head of milk cows, 6 head fresh and close springers, balance other lactations, 7 bred first calf heifers, 21 head of open heifers from 5 to 15 months old. This a good producing herd and all home raised. Pregnancy checked, T.B. and blood tested. Health charts furnished. Cattle sold in heated tent with chairs, cattle loading shoot

FARM MACHINERY

1953 Chevrolet 6400 series truck, 12 ft. bed with grain sides and cattle racks; Case 840 diesel tractor wide front, power steering, live P.T.O.; Case 470 diesel tractor, wide front, power steering, with front end loader with twin cylinder controlled bucket; Case 400 tricycle tractor, power steering and live P.T.O.; Case 425 two row mounted corn picker, fits Case 400 tractor; Case V.A.C. tractor; two row cultivator for same; Case 7 ft. mower, 3 PT. hitch; Hesson 1090 P.T.O. 9 ft. mower and wind rower; I.H. No. 33 hay conditioner; N.H. N. 56 side rake; Case 230 pickup baler with P.T.O. bale thrower; Fox IF 546 forage harvester with one row corn head; N.H. flail chopper; Case 28 ft. bale elevator with dump drag attachment with motor and P.T.O. drive shaft; Grove deluxe 3 beater forage wagon with roof; 2 Grove self unloading, 2' beater, forage wagons; Case wagon 8 x 16 ft. flat with bale racks; 2 rubber tire wagons flats grain sides and bale racks and false end gates; 2 rubber tire wagons and flats; steel gravity grain bin; I.H. No. 56 four row corn planter with plastic fertilizer boxes and gandy applicators; J.D. No. 246 two row corn planter with 3 PT. hitch; I.H. No. 510-13-7 grain drill; 16 ft. small grain belt elevator with motor, 16 ft. small grain auger elevator with motor; N.I. No. 215 P.T.O. spreader; N.I. 10 ft. fertilizer sower; 6 ft. semi mounted Bush Hog rotary mower; Walsh 200 gal. trailer field sprayer with fiber glass tank; 100 gal. fiber glass mounted field sprayer; Fox hopper ensilage blower and pipe; Case ensilage blower with dump drag or hopper and pipe; Case four 16 in. bottom semi mounted automatic reset plow, J.D. two 14 in bottom trip plow with 3 PT hitch; I.H. Little Genius 3 bottom tractor plow; I.H. 8 ft. double disc, Oliver 7 ft. double disc; Townson 7 ft. cut away disc; Brillion 10 ft. cultipacker; Case 9 ft. cultipacker; J.D. 3 section steel harrow; two 24 tooth spring harrows; one row ground driven Net potato digger; two wheel trailer with flat and sides; two wheel Army trailer with steel bed; two 6 ft 3 PT. hitch scraper blades; 3 DeLaval stainless steel milker units; stainless steel strainers; barn fogger sprayer; 2 ensilage carts; 15 in. hammer mill, N.H. front end tractor wood saw; Marquet electric welder; acetylene welding and cutting torch and tanks; steel welding table, 1 ton chain hoist, Cyclone P.T.O. clover seed sower; Interprise N 32 meat grinder and motor; lard press; 2 iron butcher kettles, 2 meat benches Lot of misc farm tools

AUCTIONEERS NOTE: The above machinery is in good condition

Not Responsible for Accidents

Sale at 9:00 A.M. sharp.

MERLE C. & MINNIE C. EIGENBRODE

11412 Eigenbrode Lane

Waynesboro, Pa.

Telephone (717) 762-3795

At the same time and place will sell J.D. 290 corn planter, N.H. 68 Hay liner baler, Case 555 wind rower, Case E10 7 ft mower, Fox 546 1 row harvester, set of Case cultivators to fit 200 to 800 series tractors

LEROY J. MARTIN

AUCTIONEERS: Edgar J. Stull & John Downin

CLERKS: Harshman & Downin

Number system, I.D. required.

Lunch stand by

Christian Home Builders Class of
Church of The Brethren