

Adjust hog protein levels to current grain prices

LANCASTER—What switch rations in order a pig eats affects his to increase the rate of growth rate. But how gain of his feeder pigs? can a producer tell Take, for example, a whether it will pay to farmer who increases

the average weight of his feeder pigs by nine pounds at eight weeks — just by changing their feed. The new feed cost was close to two dollars per pig. That means that in this case the farmer netted about three extra dollars per animal simply by changing feed. In this instance the change was certainly justified. At other times it may

not be, says University of Delaware extension livestock specialist Richard Fowler.

Too often, he says, feed cost per ton is the basis for selecting a feed, with no consideration given to cost per pound of gain or days to market. Yet, in today's economy no producer can afford to ignore these factors. When profit margins are narrow, it may sometimes pay to switch to less expensive feeds. But this should never involve skimping on the vitamins and minerals required by the pig.

protein levels according to grain prices, advises Fowler.

At present, with soybean meal prices near \$300 a ton and corn around \$3.80 a bushel, protein levels should be at 16 per cent for the 40 to 100 pound pig; 14 per cent for the 100 to 175 pound range; and 13 per cent for the 175 pound to market weight hog.

When feed costs are high in comparison to hog prices, the way to maximize profit is to market animals at weights no greater than 230 pounds, adjust protein levels, keep feeders adjusted, and

buy good boars. Don't try to alter the vitamin and mineral content of your swine ration.

In other words, don't offer a 40-pound pig a 13 percent protein finisher feed formulated for a 175 pound to market weight hog. The vitamin and mineral levels of the finisher ration don't meet the needs of the younger animal.

Protein is built from amino acids. Soybean meal contains those essential for pigs. In most swine diets the last 100 pounds of soybean meal is present to supply lysine — one of these amino acids.

It's sometimes practical to substitute lysine directly. In making the substitution, 2.75 pounds of pure lysine and 97.25 pounds of corn can replace 100 pounds of 44-percent soybean meal per ton of diet. Fowler recommends that not over 100 pounds of 44-percent soybean meal be replaced per ton of diet.

Research has shown that performance on the replacement diet is similar to performance on soybean meal, he says. The economics of the substitution depend on the price of lysine, corn, and soybean meal

Feed costs represent 60 to 80 percent of total swine production costs. The cheapest feed isn't always the best

PUBLIC SALE

FRIDAY, FEBRUARY 6

11:00 A.M.

Discontinuing dairying due to labor problems. Just North of Woodsboro, MD on Rt. 550 (turn along railroad track at Cramer's Warehouse).

54 HEAD OF HOLSTEIN DAIRY COWS

Consisting of 8 fresh since Dec. or close to freshening by sale day. Including 5 first calf heifers fresh since Dec., balance in different stages of lactation. Pregnancy examined by vet. Bangs & TB tested for Interstate Shipment. This is a mostly home raised herd out of artificial breeding with plenty of size & quality. Sale to be in tent. Loading chute available.

Approximately 150 tons of corn silage on ground to be sold by bulk. Approx. 1600 bales of Timothy & alfalfa hay & approx. 1600 bales of Timothy & Orchard grass hay. Hay to be sold by bale.

Feed sold immediately following cattle sale.

Terms - Cash.

OWNERS,

MR. & MRS. JOHN H. AMBROSE

Auctioneer - Robert C. Mullendore

Clerk - C.L. Metz

Not Responsible For Accidents
Lunch Rights Reserved

PUBLIC SALE

FRIDAY, FEBRUARY 6

Located 4 miles west of Nine Points, 5 miles east of Quarryville, 1 mile east of Black Rock, along the Bartville Road, Lanc. Co. Penna.

LIVESTOCK

Pair of Red Roan horses, 9 years old, broke to work single or double; Pair of roan horses 12 and 14 years old good workers; Old Roan horse, will work anywhere; 4 year old gray horse and 7 year old black horse both good off-side workers

Holstein service age stock bull, from dam with 22,000 lb. milk record Accredited herd

FARM EQUIPMENT

International "WD6" and "WD9" tractors on steel both in good condition.

New Holland "79" baler with 4 cyc. motor; in good condition; New Holland #456 7' hyd lift mower, used one season; New Holland 4-bar side rake; Fisher hay tedder, New Idea side rake; New Idea 32' elevator; 27' elevator;

New Idea #323 corn picker, like new; McD corn binder with loader and engine mount; McD ground driven corn binder; John Deere #999 corn planter; McD #7 and Large Papec ensilage cutters; New Idea #108 manure spreader; Ontario disk grain drill; Mechanical transplanter;

John Deere KBA disc harrow; McD 2-way riding plow; 14" single bottom trailer plow; 2-section spring harrow; cultmulcher; McD riding cultivator; Wiard #106 walking plow;

Two E-Z Trail steel wheel flat bed wagons; three fore-trucks one with auto-turn; spring wagon, in good condition; braking cart;

Water tank on running gears; 165 gallon field sprayer; hay rack on running gears;

Potato planter; potato digger, potato plow; potato grader;

Wisconsin 30 h.p. motor, like new; two Briggs-Stratton engines to use on mower and corn binder; Hi-pressure water pump; fast feed corn sheller; two hole corn sheller; 600 tomatoe baskets; 36' extension ladder; platform scales; Minnich tobacco press; wheelbarrow, feed carts; 7" endless drive belt; other belts, all sizes; Remington chain saw; storm windows; sledges; fence posts; pipe fittings; Come-a-long; 40 milk cans; two 20 lb. and one 40 lb. milk pails; strainer, vacuum can lift; fencers;

Eight sets of front gears; yankee harness, collars; bridles; lines, 1,2,3,4,5, and 6 horse hitches;

Some Household Goods—Warm Morning gas heater, like new; sofa; crocks; A few antiques; 1 roll top bed, chest of drawers, some dishes,

Sale 10:00 A.M.

Owner,

JOHN S. STOLTZFUS

Diffenbach's Auctioneers

LUNCH AVAILABLE

PUBLIC SALE

OF FARM EQUIPMENT & HOUSEHOLD GOODS
SATURDAY, FEBRUARY 14

At 9:00 A.M.

LOCATION: From Ephrata take Rt. 322 East to light at Hinkletown. Turn left onto Martindale Rd. Follow to square at Martindale. Turn left onto Grist Mill Rd. Follow to Hurst Rd. First farm on left. Lanc. Co., Penna. Watch for sale signs.

Four Tractors

John Deere 4230 D. W.F. — Heat Houser
John Deere 3020 D. N.F. — Heat Houser
Ford 4000 D. S U Ford 3000 Gas

N.H Super 717 Harvester with 2-Row Head, N.H #25 Whirl Feed Blower; N.H #26 Blower, 50' Pipe, 2 - 16' Lemco Forage Boxes on good Running Gears; New Idea #327 Narrow-Row Corn Picker with 12 roll Husking Bed; N.H. #273 Baler with Chute & Hitch; E-Z Flow Gravity Box on Running Gear; N.H #451 Sickle Bar Mower; Paxco Gravity Box on Running Gear, Dunham 11' Cultmulcher; New Idea 3-Beater 200 Bu Manure Spreader; Farmhand Grinder Mixer; 2 Sauder Hi-Lift Loaders with Hydraulic Dump; 2 6 ft. Snow Scoops; Farmhand Wheel Rake, John Deere 494A 4-Row Corn Planter with Insecticide Hoppers, 2 John Deere 16' Flatbed Wagons, J.D 28 Disc Transport Disc Harrow, White #348 Auto Reset Plow, J.D #130 1rip Plow, J.D 12' Spring Harrow, 12 Drag; 10' Brillion Sprocket-Packer, Field Sprayer with 200 gal. Fiberglass Tank on wheels, Rotary Cutter, 36 Farmec Elevator, Ont 12 Disc Grain Drill, Lely Fertilizer Spreader, PTO Seeder, Cunningham Crimper, 2-Row Ford Cultivator, Cardinal 36 Elevator, 2 - 4 Grain Augers, 3 1/2' Grain Auger, Fractor Chains, Log Chains, Other Chains

2 Big Dutchman Poultry Feeders with Chain and Trough, 20 - 10 Hole Nests, 8' V-Trough; Round Hanging Feeders; Egg Washer, Egg Scales, 500 lb. Fairbank Platform Scales, Round Hog Feeder; 2 Jamesway Feed Carts; Silage Cart; 1200 gal. Fiberglass Tank; Pro-Sile Pump, Air Compressor; 180 amp. Electric Welder; 4 Hydraulic Cylinders, 1 H.P. Electric Motor; 1/4 H.P. Electric Motor, Welding Table; Large Anvil, Bench Vise, Remington Chain Saw, Hahn Eclipse Riding Mower; Ariens Riding Mower; Push Mower; Reddy Heater; Wheel Pullers, Extension Ladder; Step Ladder, Cyclone Seeder, Forks, Shovels, Hoes, Scrapers, Used Tin Roofing; English Bicycle; Sleds, and many other items too numerous to mention

1970 CHEVROLET 1/2

TON PICKUP, V-8 Engine

Household Goods & Antiques

11 cu. ft. Hotpoint Refrigerator, 17 cu. ft. Frigidaire Freezer, Maytag Washer, Laundry Tubs, Electrolux Sweeper, Eureka Sweeper, Large Copper Kettle; Large Iron Kettle, Crocks, Jars; Kettles, Meat Grinder with Pulley; 6 qt. ice Cream Freezer, Wooden Butter Churn, Glass Butter Churn, Antique Milk Bottles, White Oak Dairies, Chester Weaver, H R Wentzel, Walter Martin, Bed Frames, Springs, Mattresses; Tables, Stands, Bowers Bureau, Chests, Clothes Free, Playpen, Cedar Wardrobe, Kneehold Desk, Butter, 8-Day Seth Thomas Chime Clock, Utility Cabinet, Night Stand, Gun Rack, Clothes Hamper, Old Trunk, Bedspreads, Quilts, Coal Oil Lamp and more

Auctioneers. Note: Don't miss this sale! Farm equipment and tools are in excellent condition. Sale starting at 9:00 A.M. with Tools and small items. Household goods at approx. 11:30 and then farm equipment.

Terms by

JOHN A. & EDNA S. ZIMMERMAN

Auctioneers:

Lamar Z. Sensenig and Paul W Horst

Clerks: Sensenig & Horst

Refreshments will be served

Not responsible for accidents



GAP AUCTION

FRIDAY EVE., FEB. 6

5:30 P.M.

Located off Route 41 - Lancaster Avenue Opposite Turkey Hill Minit Market - Cross RR Bridge

ANTIQUES AND HOUSEHOLD GOODS

SOLD AT EVERY AUCTION

DRESS FABRICS AND SEWING SUPPLIES

CONSIGNMENTS ON MONDAYS

FROM 8:00 A.M. to 7:00 P.M.

OTHER DAYS BY APPOINTMENT

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442-4936 or 442-8254

CONDUCTORS ALL TYPES PUBLIC SALES

PUBLIC AUCTION

OF FARM EQUIPMENT

SATURDAY, FEBRUARY 21, 1981

10:00 A.M.

Location: Take Route 272 North from Ephrata to Route 897, take Route 897 North to Reinholds after crossing railroad tracks in Reinholds take 2nd road left "Swamp Bridge Road" to 2nd farm on right "Feed Mill Farm #4", West Cocalico Township, Lancaster County, Pa.

Due to a change in their methods of farming the undersigned will offer the following items for sale at Public Auction.

Oliver 1365 Diesel

with Cab, W.F.E.

International 606 Industrial Tractor

with Loader and Shuttle Shift

Massey Ferguson 135

with Quick Change Wheels

John Deere A

Hesston Model 320 self-propelled hay conditioner; Atlas 2500 lb. Fork Lift needs repair; John Deere Model 336 Baler with Automatic Tension Adjuster; White Model 348 Automatic Reset 3x18 3-Point Plow; Farnam 3 Point Pasture Renovator.

Deutz Diesel Engine Power Unit

6 Cylinder, 135 H.P. with only 2400 hrs

Ditch-Witch Model C-4 Trencher

25 Ton Mixed Hay

in Large Round Bales

Vehicles and Office Items

1973 Dodge Tradesman 200 Window van; 1970 C-20 Chevrolet Pickup Truck; Old 26,000 GVW GMC Truck with Manure Tank; 1971 Chev. Vega; 1973 Ford 300 Econ. Van for parts

Remington Standard Typewriter; Royal Electric 1300 Award Series Typewriter; Underwood Electric Typewriter; Metal File Cabinet; Office Desk; and many other items. Watch for full listing next week.

Auction by order of

DUTCHLAND LABORATORIES, INC.

R.D. #2 Denver, Pa. 215-267-4921

Auction Conducted by

John E. and Paul E. Martin Auctioneers

717-733-3305 — 717-733-3511

Ephrata, Pa.

Food At Auction



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WITH A

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