

Growth of Feedlot Heifers Increased by Implanted Hormones

Increased feed efficiency and rate of gain in feedlot heifers is possible by implanting a new growth-promoting hormone

combination, a Pennsylvania State University scientist reported July 13 during the North Atlantic Sectional Meeting of the American Society of Animal Science at Storrs, Conn.

The implant is one of several new products, with growth-promoting effects, according to Clifford F. Orley of the Department of Animal Science at Penn State. The implant contains 24 milligrams of diethylstilbestrol (DES), a synthetic female hormone, and 120 milligrams of testosterone, a male hormone.

Implanting increased average

daily gain by slightly over 12 per cent in groups not receiving DES in the ration and by 5.6 per cent within DES-fed groups. Feed efficiency was increased by 2.2 per cent by feeding DES and by 4.7 per cent by implanting.

The Penn State studies concerned the use of 24 heifers in average conditions. In addition to being implanted, two groups of six heifers each were fed oral DES at the rate of 10 milligrams per head daily. One of these groups was implanted while the second group was not implanted. The implant dosage

was 0.24 cubic centimeters per animal.

The implant is administered under the skin at the base of the ear in cattle. The DES hormone has been used widely in past years to increase rate of growth.

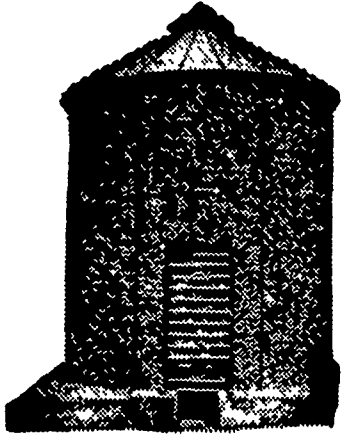
The only carcass characteristic affected significantly by treatments was loin-eye-area, which was increased by implanting.

Working with Orley on the experiments were L. L. Wilson and M. C. Rugh, all with the Department of Animal Science at Penn State.

Speedy Corn Crib

Speedy Bar-Lok Construction gives you greater Value . . . Longer Life.

1200 Bu. Size Now Available

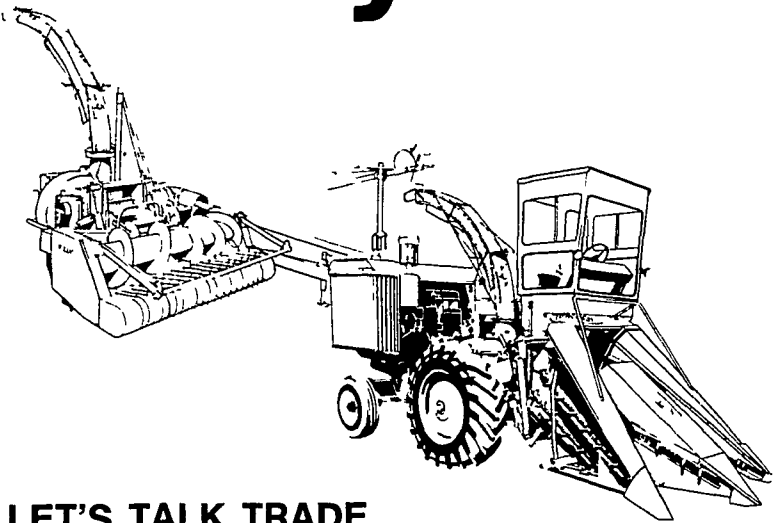


Landis Bros., Inc.

1305 Manheim Pike, Lancaster

Ph: 393-3906

NOW... get the best deal on a new FOX in 40 years!



LET'S TALK TRADE . . .
Starting with a \$50 U.S. Savings Bond—Yours with any new FOX forage harvester!

There never was a better time to switch to Fox! Because when you invest in a Fox forage harvester, you get a second great investment at no extra cost—a \$50 U.S. Savings Bond.

Check out this lineup from the pioneers of modern forage harvesting

- Fox model 425 with 2-corn row capacity
- Fox model 2000 for medium powered tractors (up to 110 hp) with up to 25% more production than before
- Fox model 3000 for big tractors (up to 165 hp) with capacity up to 100 tons per hour.
- Big Fox self-propelled, now with up to 238-hp diesel engines and hydrostatic drive

All have the time-proven Fox features that have made Fox the standard of the industry for over 40 years. Example: Fox pioneered cylinder cut and separate blowing for uniformly and completely cut silage.

Invest in your future! See your Koehring Farm Division dealer today. He's ready to deal like never before.

Get on the Fox bond wagon.



Koehring Farm Division
Appleton, Wisconsin 54911

NISSLEY FARM SERVICE

Washington Boro, RI
Phone 285-4844 — 17582

Canada Orders EIA Test

The U. S. Department of Agriculture urges all horse owners to have their animals tested for equine infectious anemia (EIA) if they are to be moved to Canada.

Officials of USDA's Agricultural Research Service report that, after August 15, Canadian Health of Animals Division will require all horses entering Canada from the U. S. be accompanied by a report from a recognized laboratory showing negative results to the Coggins test for EIA.

This announcement comes as a result of Canada's new rules on EIA. Until August 15, horses not tested prior to export will be permitted entry pending negative results from blood samples collected at the Canadian port of entry. Positive test results will present a problem for exporters, because reactors cannot be allowed to return to the U. S.

USDA has been advised that laboratories recognized by Canadian officials for conducting the Coggins test are: Cornell University, University of Florida, University of Kentucky, Louisiana State University, Michigan State University, New Jersey State University, and the National Animal Disease Laboratory (Ames, Iowa).



Red Rose Cat Food

Red Rose Cat Food provides the full nutritional requirements of kittens and adult cats. Its crunchy texture builds strong, white teeth. And its balance of nutrients, vitamins and minerals gives cats a rich, silky coat and keeps them fit and lively. Add to this the convenience in feeding and you have the perfect cat food that's backed up by more than 130 years of Eshelman experience in the field of animal nutrition.

BUY THIS NUTRITIOUS CAT FOOD FROM YOUR LOCAL RED ROSE DEALER.

A "LITTLE LITTER" HURTS . . . in fact too many Little Litters can put you out of BUSINESS



When used with exclusive Big Dutchman electric heat mats, properly placed Aluminum slatted floor and controlled ventilation, this unit provides an ideal farrowing arrangement and a disease-free environment. If you are concerned about today's litter problem, see us. We'll help you "solve" the litter problem.

LET US HELP YOU PUT IT ALL TOGETHER

BIG DUTCHMAN SOLVES THE "LITTER" PROBLEM.

Mortality rates due to scours and accidental crushing have been significantly reduced by the farm tested and farm proven Big Dutchman farrowing system; a complete system designed and built by people who understand the sow and her needs. The farrowing unit construction features embossed draft panels, heavy galvanized side walls, adjustable bottom rails, welded steel tubing joints, doors that open at either end, welded steel bars, 17-gauge square steel tubes, feeder adaptable to either dry or liquid feeding and a back up bar adjustable to the size of the sow.

BIG DUTCHMAN

A Division of U.S. Industries, Inc.

EASTERN BRANCH

215 Diller Ave., New Holland, Pa. 17557
Ph. 354-5168