Big Potential Found for Pollution Control and Quality Beef

Penn State Study Recycles Poultry Waste Through Steers

using a method of pollution source control to convert naw materials from poultry waste into a useful product-beef

The process converts nitrogen in poultry waste into meat pro tein nitrogen, according to Dr T. A Long and R C Croyle, as sociate professor and graduate assistant, respectively, in the department of animal science at Penn State.

All protein contains nitrogen. these scientists point out Successfully feeding poultry waste to cattle could mean that the million tons of poultry waste produced annually in Pennsylvania would have its pollution potential sharply reduced

cattle ration, poultry waste appears very similar to commonly used protein supplements, for example soybean meal

The raw waste is given a thorough heat treatment with steam or dry heat.

Finally, the waste is ground

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Animal nutritionists at Penn- to a small particle size for mix- As a cattle feed, processed sylvania State University are ing into the lation as a nutrient poultry waste has been found to steaks fed poultry waste were accumulation of drugs in the

• Farm Calendar

(Continued from Page 1)

Thursday, March 18 930 am-4 pm — Fianklin County cattle feeders to tour Lancaster County

7 15 p.m — Elizabethtown 4-H, Di Long said Pig and Rabbit Club reorganization meeting, Elizabethtown Trust Company Building

7 30 pm - Tevoca FFA Chapter (Brownstown Vo-Tech) first annual banquet, Brownstown Vo-Tech school

When prepared for use in a 720 pm. - Manneim Young Farmers Farm Records and Budgeting Course, Manheim Senior High School

7 30 pm -Faim Management meeting on Wills, Estates and Faim Transfer Allange ments, Farm and Home Cen

8 pm -4-H Guernsey Club organizational meeting, Ray mond F Witmer home, Willow Street RD1

Friday, March 19

630 pm - Lancaster County Swine Producers annual banquet, Blue Ball Fire Hall Saturday, March 20

pm -Trail ride, Broken Bit 4H Horse and Pony Club, home of Mr and Mrs Charles Risser

State Grange Regional Institute, Topton. Berks County.

equal conventional sources of equally acceptable as compared animal's tissues. nitiogen Rates of gain and feed efficiencies for steers fed poultry waste are similar to those produced by feeding soybean meal or urea

At Penn State, carcasses of similar quality were produced from diets containing poultry waste, urea, or soybean meal,

to steaks from steers fed urea or soybean meal supplement

and USDA grade, loin-eye area, cals to the carcass. per cent cutability, and tender-

A taste panel found that when eaten, will not cause an

Dr Long and Mr. Croyle said preliminary experimental re-Specifically, steer carcasses sults indicate that feeding poulwere similar in conformation, try waste does not add signifimarbling, backfat, color of fat, cant amounts of residual chemi-

They further point out that studies of the recycling of agri-The next step will be to de- cultural wastes are being extermine conclusively that the panded by the Agricultural Expoultry waste is sterile and, periment Station at Penn State.

1 W/4 41/1 A/4 (10/2000)



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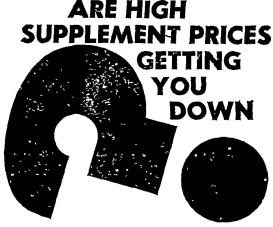
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