

Poultrymen-Vegetable Growers Urged to Balance Fertilizers

Vegetable growers who are also poultrymen have a good source of nitrogen fertilizer in dried poultry manure but should add phosphorus and potash based on soil tests, according to Dr. Ernest L. Bergman, professor of plant nutrition at Pennsylvania State University.

Unless phosphorus and potash are added, the money saved in using poultry manure will be lost in lower than normal crop yields, Dr. Bergman stated recently at the annual meeting of the Pennsylvania Vegetable Growers Association at University Park. Bergman said considerable numbers of vegetable producers are also poultrymen or have ready access to poultry manure.

Yields of tomatoes were used as an example, from studies at the horticultural research farm of the Agricultural Experiment Station at Penn State. Best yields of tomatoes were obtained by using 1,700 pounds of dried poultry manure per acre, supplemented with 500 pounds of phosphorus per acre and 300 pounds of magnesium per acre. These applications produced over 21 tons of tomatoes per acre—one ton greater than yields from strictly commercial fertilizer without magnesium.

The vegetable grower-poultryman gains nothing by putting on very high rates of dried poultry manure, hoping to offset the lack of phosphorus and magnesium, Dr. Bergman pointed out. He said such a practice may upset the nutrient balance by adding too much nitrogen. The usual recommendation for field tomatoes is 100 pounds of nitrogen per acre. Phosphorus, potash, and magnesium applications, as well as liming, are based on soil tests.

JAMESWAY

Volume-Belt Cattle Feeder



Feeds Fast without Separation

J

- * Only 1-1/2 hp. Up to 250 Feet
- * Big Capacity Belt Carries Feed
- * Works In-Barn or Out

Stop In Today for Free Catalog.

YOU CAN COUNT ON US

LANDIS BROS., INC.

Ph: 393-3906
1305 Manheim Pike Lancaster, Pa. 17601

Agrico TCF™ for corn has what it takes for bigger, better yields



of fast starts, that will produce thicker, more uniform stands. The special formulation of secondary elements and micronutrients supplies the vitality needed for mid-season growth and for early, uniform maturity that makes harvesting easier. All this adds up to more profit for you.

Remember, it takes more than Nitrogen, Phosphate and Potash to increase corn yields and quality . . . and Agrico puts what it takes in TCF for Corn . . . the right balance of secondary elements and micronutrients. See us today for the Agrico TCF for Corn formulated for the needs of your soil.

Agrico TCF stands for Total Crop Formula . . . and that's what it is . . . a special, advanced fertilizer for corn that supplies all the essential N-P-K, plus the secondary elements and micronutrients, your corn needs for extra yields, better quality.

Because Agrico TCF for Corn is formulated to meet the specific nutrient requirements in different farming areas, your corn is assured

Agrico®

Fertilizers

A century of service to grow on
Call Now — Your Local AGRICO Dealer
OR STOP AT . . .

LANCASTER AGRICO
SERVICE CENTER
1661 Rohrerstown Road

CHURCHTOWN AGRICO
SERVICE CENTER
Route 23

QUARRYVILLE AGRICO SERVICE CENTER
North Church Street

CONTROL INSECTS AND WEEDS WITH PESTICIDES FROM AGRICO

Dr. Bergman says it is important to know the moisture level of the dried poultry manure. Nutrient content of the manure changes with adjustments in moisture level. In the trials by Dr. Bergman and associates, the 15 per cent moisture content supplied a product equal to 6-4-3 fertilizer.

Recent developments in poultry manure drying by Dr. Glenn O. Bressler at Penn State have made it possible to reduce the bulk weight of poultry manure while improving the ease

of handling the product. The dried manure has also been used successfully in hydroseeding highway right-of-ways as well as coal mine spoil and refuse banks.

In the Penn State experiment with tomatoes, poultry manure dried to 15 per cent moisture content was plowed under on October 15. Commercial fertilizer, as recommended from soil tests, was applied before planting time in the spring. The plots were harvested in September and were re-sampled for analysis in November.

Help Us Serve You

Don't assume we know about your farm organization's meeting. To get your meeting on our Farm Calendar, it's safer to assume we don't know.

Remind us by calling 394-3047 or 626 2191 or by writing to Lancaster Farming, 22 E. Main St., Lititz, Pa. 17543. You'll be helping us to serve you better.

P.S. — If you're not sure you told us already, we don't mind hearing from you again.

This year somebody's going to make a lot of money in Commodities

A rare kind of "somebody"

Somebody with brains, and nerve, and as thorough a knowledge of commodity futures markets and trading techniques as possible.

Somebody well able to recognize, assess, and afford to take substantial risks if he wants to—in the hope of commensurate gains.

And that somebody could be one who accepts this invitation to our special *Two-Evening Seminars*.

Trading In Commodity Futures —For Potential Profit!

Our Seminars start at 7:30 P.M. sharp
Incorrect date appeared last week. Correct date

Tuesdays - April 18 & 25

Reynolds Lancaster Office, 61 No. Duke St.

These sessions will be conducted by Mr. Houston A. Cox, our Vice President in charge of Commodities from New York . . . and by our Regional Commodity Coordinators.

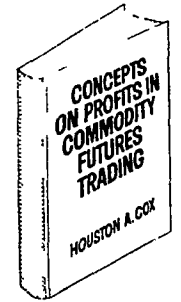
They will present the most concentrated, sophisticated, and penetrating approach on the principles, risks and rewards of trading in commodities that we've ever put together in any two-session Seminar.

Here's your chance to make notes—or compare them—on everything from Elliot Wave Analysis to the pros and cons of long and short term charting, from fundamentals and common sense, to proper money management, planned trading techniques—and our own 13 Keys to Intelligent Commodity Trading.

Too much for even a "somebody" to absorb in one Seminar Series? Perhaps.

But the whole course is based on Mr. Cox's brand new book called **"Concepts on Profits in Commodity Futures Trading."** And anybody who comes to both sessions of the Seminar will receive a complimentary copy to study at leisure.

Since seating is limited, make your reservations now by mailing this coupon—or phoning 397-8221.



Please make _____ reservation(s) for your Two-Session Commodity Seminar in Lancaster

Name _____
Address _____
City _____ State _____ Zip _____
Telephone _____



Reynolds Securities Inc.

MEMBERS NEW YORK STOCK EXCHANGE, INC.
AND OTHER PRINCIPAL SECURITY AND COMMODITY EXCHANGES
61 NORTH DUKE ST., LANCASTER, PA. 17604