

Fine-Tune Fertilizer Needs

By Manure Analysis

NEWARK, Del. — It's time for growers who use manure in their fertilizer programs to consider getting it analyzed. Using manure as fertilizer can substantially reduce overall fertilizer costs. But the plant nutrient content of manures varies greatly with animal species and diet, the type and amount of bedding or litter used, and the storage and handling practices used. Thus knowing the nutrient value of the manure being used is extremely important in determining how much, if any, commercial fertilizer is needed for the desired cropping program.

"A manure analysis is just one of the components of a successful nutrient management program," says Mark Isaacs, University of Delaware extension assistant for environmental quality.

He says it's important to take a representative sample to ensure a more valid analysis. The best time to take this sample is approximately two weeks prior to application. Since it takes about 10 days for the analysis to be com-

pleted, a sample taken then will allow the grower to adjust his fertility program to account for the nutrients available in the manure. Samples taken much sooner than that may not be valid for calibration purposes, as the nutrient content changes as manure weathers.

Isaacs recommends taking a large composite sample, thoroughly mixing this, and then drawing from it a small subsample. Place the subsample in an appropriate container then send it to an area lab for analysis. A 10-by-12-inch - 4 mil "Ziplock" plastic bag works well for the dry forms of manure such as broiler, while a wide mouth 1 quart plastic bottle (not glass) is suitable for the more liquid forms of hog or cattle manure.

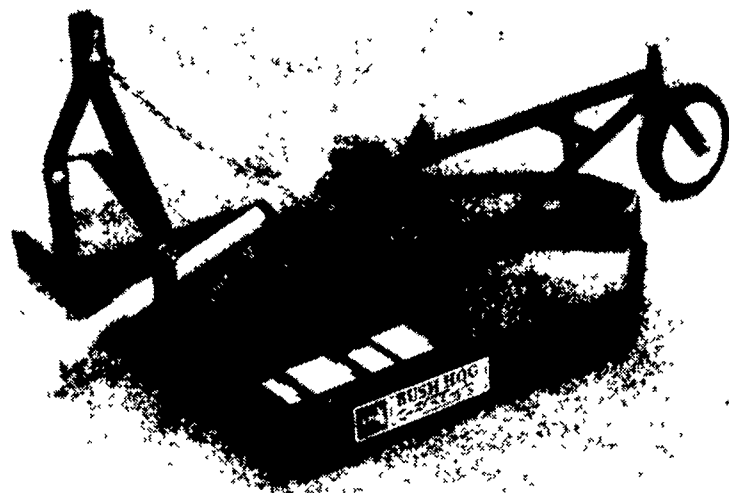
To determine plant available nutrient levels in the manure, the analysis should include nitrogen (N), phosphorus (P), potassium (K) and ammonium (NH₄). "Such an analysis generally costs about

\$32 and is well worth it," Isaacs says, "when one considers the potential savings associated with proper nutrient management."

The Agricultural Stabilization and Conservation Service offers a 75 percent cost-share program for poultry manure storage and analysis to area farmers interested in participating in this program. To qualify for ASCS cost-sharing, participants must have their soil and poultry manure analyzed for nutrient content. They must also develop a manure management plan for their farms and calibrate spreaders prior to applying manure to cropland.

Fact sheets on calibrating manure spreaders are available at county extension offices in Newark (451-2506), Dover (697-4000) and Georgetown (856-7303). For additional information on using manure on cropland, contact your local extension office or call Mark Isaacs directly at 302-856-7303.

Bush Hog Rotary Cutter



Bush Hog's new Razorback rotary cutter provides customers with excellent performance at an economical price, according to Robert O. Moore, vice president-sales. The five-foot cutter, designed for use with 18-35 horsepower tractors, has all-welded, 11 gauge steel deck and side skirts that insure that it will give years of dependable service. Height of cut is easily adjusted at the tailwheel, which is full-swivel for better maneuverability around obstacles. An oval blade pan protects the blades from field hazards and the tapered rear deck design allows fast discharge of cuttings.

Info On Greenhouse Pests Offered

HARRISBURG — A 36-page booklet on a common variety of insects that prey on plants may help make Pennsylvania's greenhouses look greener and fuller in the future.

Published by the Pennsylvania Department of Agriculture, the booklet focuses on scale insects. It was prepared by James F. Stimmel, a member of the entomology staff in the Department's Bureau of Plant Industry for distribution to greenhouse

operators, agriculture extension personnel and people who administer government regulations concerning greenhouse plants.

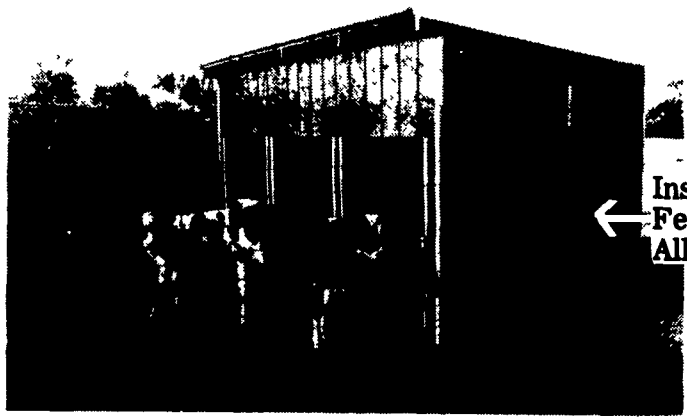
Scale insects, Stimmel explains, are "among the most common and least understood" of the many pests that infest house plants. "That's partly because they're so difficult to identify."

Help in identifying and eradicating scale insects is available by calling the Bureau of Plant Industry at (717) 787-4843.



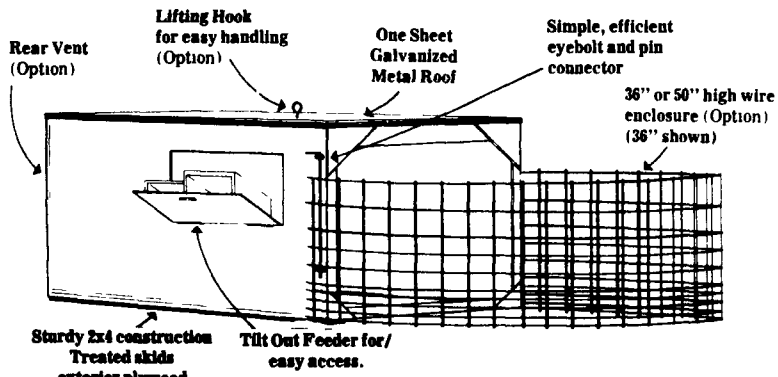
READ LANCASTER FARMING FOR COMPLETE AND UP-TO-DATE MARKET REPORTS

CALF KENNELS



Same Advantages As Hutches, w/Inside Feeding

Compare the Stoltzfus Woodwork Calf Hutch

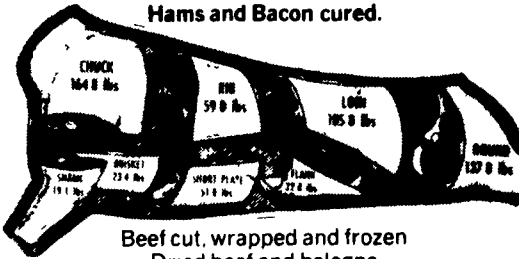


ALSO AVAILABLE: TRACK FOR FASTENING CALVES' CHAIN TO CEILING OF HUTCH

MFD. BY: **STOLTZFUS WOODWORK**
Rt. 897 North - Gap, PA 17527
717-442-8972

CUSTOM BUTCHERING

Hogs Processed the old fashioned way.
Sausage, pudding, scrapple.
Hams and Bacon cured.



Beef cut, wrapped and frozen
Dried beef and bologna
WE ALSO SPECIALIZE IN U.S.D.A.
GRADED SIDES AND QUARTERS.
FOR HOME FREEZER



Catering To Business Open Houses, Etc.

HESS'S BUTCHER SHOP
2635 Willow St. Pk. Willow St., PA
(717) 464-3374

Is Your Property Immune From Attack?

Termites? Ehrlich in. Termites out



1278 Loop Rd. Lancaster, Pa. 17604
717-397-3721
Since 1928 Pest control is too important to trust to anyone else

AGRI-INC.

Custom Built Farm Buildings Designed To Your Needs

Specializing In Dairy Systems:

- Tie Stall & Free Stall Complexes
- Heifer & Veal Barns
- Machinery Sheds
- Metal Buildings For Commercial Use

NEED RENOVATIONS...

OR A NEW BUILDING?

DON'T DELAY — CALL TODAY



FARM & COMMERCIAL BUILDINGS

RD 4 EPHRATA, PA 17522

LOCATED IN FARMERSVILLE

PHONE 717-354-4271