

Tobacco Stalk Cutting Deters The Hornworm

Scientists and tobacco farmers know that if you cut this year's tobacco stalks as soon as the last commercial-ly valuable leaves are harvested, you're helping reduce next year's tobacco hornworm infestation, according to the Agri. Research Serv-

ice. However, the practice generally has not been followed systematically.

ARS studies show that when early stalk cutting is carried out by a high percentage of growers in an area, the practice can be a valuable nonchemical way to control or suppress hornworms.

Early stalk cutting deters the suckers, or secondary shoots, that appear

on tobacco stalks after harvest. These relatively small, tender shoots appeal to hornworms, both as food and egg laying sites.

Allowing stalks to stand encourages a late summer build-up in hornworms. More eggs are laid, producing more larvae to feed and develop on the suckers, and then burrow into the ground to pupate through the winter. Finally, more adults emerge early in the next growing season, and a larger hornworm population gets a head start on the new crop.

In 1963, ARS entomologist W. S. Kinard, working in cooperation with the South Carolina Agricultural Experiment Station, enlisted the aid of most of the tobacco growers in a 12-mile circular area near Florence. Many growers agreed to cut their own tobacco stalks as soon as possible after final harvest.

Eighty-seven percent of the growers within the selected area cooperated the first year, 1963, and 94 percent the following year. Results of these cuttings showed up in the 1964 and 1965 seasons.

During both of these years, the scientists compared numbers of hornworm eggs and very small larvae on tobacco plants in test plots both within and outside the circular area. As would be expected, considerably lower infestations occurred in the plots inside the circle than outside, and the level of infestation was the lowest close to the center of the circle. This difference was even larger in 1965 than in 1964.

Results so far, although incomplete, are encouraging to all concerned. Growers are so pleased that Kinard is getting nearly 100 percent cooperation within the test area. To insure complete stalk destruction, a custom operator has been employed to cut the small percentage of stalks not cut by growers.

Nobody is more pleasant to do business with than the man who has no intention to pay.

ROHRER'S

Your Complete Seed Store

ALFALFAS — CLOVERS — GRASSES
DeKALB CORN — SUDAX
CERT. MAINE GROWN SEED POTATOES
ONION SETS
VEGETABLE & FLOWER SEEDS
ROHRER FANCY LAWN GRASS SEED

ORTHO INSECTICIDES —
FUNGICIDES — WEED KILLERS

Atrazine, Simazine, Ramrod, Enide, Treflan, Amizine, Weedone, LV-4, Weedar '64, Butyrac 118, Chloro I.P.C., Dalpon, Alanap, Sinox PE, Eptam, Sesone, Vegiben, etc.

ORTHO UNIPEL FERTILIZER

Premier Peat Moss

Michigan and Maryland Peat

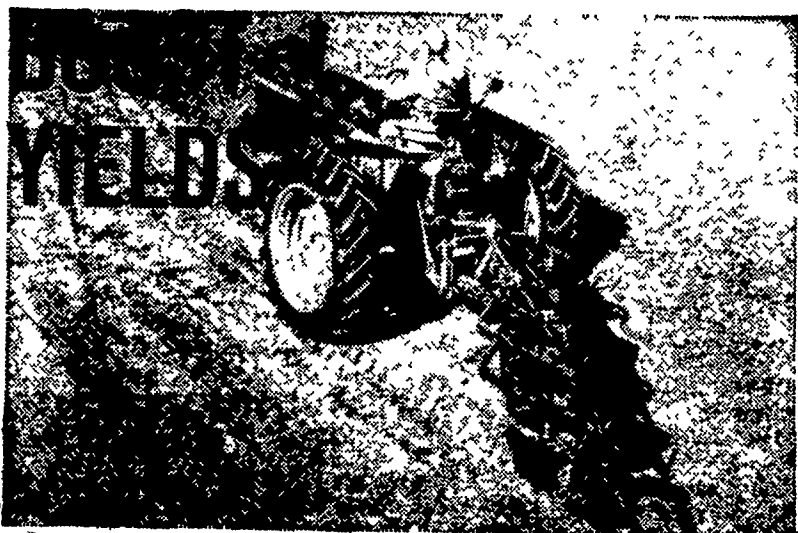
Pa-lite, Vermiculite, Peat Pots, etc.

P. L. ROHRER & BRO., INC.

Smoketown, Pa.

397-3539

Condition soil thoroughly...



JOHN DEERE INTEGRAL PLOWS

Better yields start here—with a John Deere F100 Integral Moldboard Plow. Truss-Frame design and box-beam backbones hold the bottoms in rigid alignment for thorough, uniform soil conditioning. Heavy ground cover is no problem, thanks to roomy vertical and fore-and-aft clearance. There's a type and size to match your needs exactly. Ask about our Credit Plan.

Wenger Implement Co.
Buck BU 4-4467

Alan Beyer
Christiana LY 3-5687

M. S. Yearsley & Sons
West Chester 696-2990

Landis Bros. Inc.
Lancaster 393-3906

A. B. C. Groff, Inc.
New Holland 354-8001

Shotzberger's
Elm 665-2141

SAMPLE COPIES FREE

Copies of LANCASTER FARMING are not always easy to find — they are not sold on newsstands — and perhaps some of your friends may not be acquainted with our weekly service.

We'll be glad to send, without charge, several copies of LANCASTER FARMING to your friends or business associates. Just write their names and addresses below — (You'll be doing both them and us a favor!)

To _____

Street Address & R. D. _____

City _____ State _____

To _____

Street Address & R. D. _____

City _____ State _____

(You are not limited to two names. Use separate sheet for additional names.)

Your Name _____

Address _____

CHECK here if you prefer to send a Year's (52 issues) GIFT subscription for \$2 each (\$3 each outside of Lancaster County) to your friends listed above if so \$ _____ enclosed, or

Bill me later.

Please mail this form to:

LANCASTER FARMING

CIRCULATION DEPT.

P. O. BOX 266

LITITZ, PENNA.

PUBLIC SALE

— of —

Farm Equipment

In Pequea Township, 2 Miles South of New Danville, turn East at Buckwalter's Shop, second place on the right or in Willow Street at Hildebrand's Crossing, turn off Route 272, travel 3 Miles West to farm, Lancaster County, Penna.

Saturday, March 19, 1966

12:00 NOON

3 TRACTORS

OLIVER 88 DIESEL, COCKSHUTT 30 WITH 3 PT. AND CULTIVATORS, JOHN DEERE M WITH PLOW, CULTIVATORS AND TOBACCO HOERS

New Idea Hay Conditioner (like new), Allis Chalmers 3 pt. Mower (2 years old), Gehl Mix-All Grinder and Mixer (like new), 2 Rubber Tired Wagons, McCormick 3-Bottom Trip Plow on Rubber, Cockshutt 2 Bottom on Rubber (trip bottom), Massey Harris Heavy Duty Offset Disc, Graham Plow with Cylinder, Cockshutt Disc Harrow, Dunham Cultipacker, Spring Tooth Harrow, 32 ft. Cardinal Bale Elevator with 1½ H.P. Motor, 12 ft. Cardinal Grain Elevator, Smoker Grain Bin with Running Gear, One Row Corn Picker, 3 Tobacco Wagons, 16 ft., 18 ft. and 20 ft., 3 pt. Hitch Field Sprayer (Nylon Roller Pump), McCormick Corn Planter, Water Tank (approximately 750 gal.), Coop Grain Drill, Tobacco Press, 40 ft. Belt, Air Compressor, Platform Scales.

Lincoln 225 Amp. Welder, Electric Drill, Bench Grinder with Motor, ¾ H.P. Electric Motor, Extension Ladder, Bag Wagon.

1955 STUDEBAKER ¾ TON TRUCK

POULTRY EQUIPMENT

2 Mechanical Buckeye Feeders with Trough and Chain, Hand Feeders, Water Fountains, 4 Gas Brooders, 25 Poultry Crates, Keenco Egg Washer, Keenco Egg Grader, Egg Nests and Baskets.

Knapsack Sprayers, 2 Lawn Mowers, 3 - 21" Gang Pennsylvania Mower and 22" Rotary Mower, Tobacco Clippers, Bushel Crates, Insulated Cooler, Market Display Case, Computing Scales, Celery Tile, Sink, Wash Bowl, Chunk Stove, Skid Tank and Rotary Fuel Pump Fuel Tank with hand Pump.

HOUSEHOLD GOODS

Butter Churn (electric), Tappan Gas Range, 2 Metal Folding Cots, Plank Bottom Chairs, Rocking Chairs, Desk, Floor Lamps, Pressure Canner, Dishes, Jars and Crocks.

TOOLS:—Forks, Shovels, Hoes, Wrenches, Hammers, Garden Hose and many other articles.

TERMS BY

MARK S. HESS

Kreider and Diller, Auctioneers.

REFRESHMENTS BY NEW DANVILLE FIRE COMPANY