

## Farm Calendar

(From Page 1)

Lincoln Highway East of Lancaster.  
 2 00 p.m. - Forum of Business Farm Day activities. Secretary of Agriculture, Henning will speak  
 1:00 p.m. - Judging of the Dairy cattle exhibits at Manheim Community Farm Show.  
 7 00 p.m. - Annual banquet of the Lancaster County farmers Association at Hostetters, Mount Joy.  
 Oct. 8—2-5.00 p.m. - Chicken Barbecue at the Poultry Center, Roseville Road at the 230 by pass  
 All-Day—Ohio 4-H delegation to tour Lancaster Co.  
 Oct 11—12.30 p.m. Pennsylvania Shorthorn breeders consignment sale of breeding stock and feeder steers in the Guernsey pavilion, Lincoln Highway East.

## Tobacco Beds

(From page 1)

ger areas have always presented a problem.

Methyl Bromide, the chemical used in the Lancaster County tobacco bed fumigation projects, has been used in other soil sterilization programs, but since it is a very volatile substance, it was hard to handle and had to be covered immediately to prevent its escape into the atmosphere.

The new chemical Brozone, Methyl bromide in a solvent which releases the soil sterilant slowly, can be applied to the ground 20 minutes before a covering is applied, according to Richard Yashek, the chemist who is working to perfect methods of application of the chemical.

In the county trails, a farm tractor is fitted with 5

tines on a tool bar behind the tractor. A series of hoses carries the chemical under pressure to the soil at the bottom of the tines. The specially adapted tractor also lays a covering of transparent plastic over the area and covers the edges of the film with soil.

Two discs, one on each side of the tool bar, open a furrow at each side of the tobacco seed bed. From a spool mounted on the tool bar, the plastic is fed under two rubber tired wheels which push the edges of the film into the furrow where it is covered by two more discs set to throw soil toward the center of the bed.

The equipment used is so simple that almost any mechanic could adapt any farm tractor to apply the chemical at a very small cost for parts, but the time of application is so short it would probably not be profitable for a farmer to make up the equipment for his own use alone.

At the Henney farm, application was made in about one hour. The same beds last year required three days of labor by two men to do the steaming.

The entire process with the chemical takes only as long as is required to drive over the beds with the tractor.

The manufacturer recommends the plastic strip be left in place until time to seed the bed, but the work of the chemical is completed in about three days. Weed seeds and insects have been well controlled in tests. Some disease control also is expected from the process, but the distributor of the chemical would make no claims as to how much disease control could be hoped for.

Henney said the cost of application of the chemical would be about equal to the cash outlay for steaming, but the labor would be less with

chemical treatment.

"But one of the primary reasons we are doing our sterilization this way is to try to beat the weather." Henney said "If we can get our pants started without waiting for the beds to be steamed in the spring, we can get the pants into the field earlier and have the tobacco harvested in time to do alfalfa seeding in the fall. Then we can cut out the year of small grains in our rotation"

Chemical sterilization promises many benefits to the farmer who must make the best possible use of his time and land.

## REDUCE FARM FIRE LOSSES

Reduce Farm Fire Losses, President Eisenhower has proclaimed National Fire Prevention Week, October 9-16, and he calls upon all citizens to promote the program for prevention and control of fires. Farm fire prevention is particularly stressed by J. A. McCurdy, extension agricultural engineer at Penn State, because farm fire losses increased by 37 per cent in the 1950's. Over a third of this increase came in 1959. Estimated loss of \$174 million for 1959 was \$18 million more than in 1953.

Plant food used according to soil needs helps the farmer meet the pressure to expand his business without buying more land through higher yields per acre

Get Results  
 Try a Classified Ad.

### BIG GUERNSEY DISPERSAL

Messick Farms, owners, R. D., MIDDLETOWN, PA.  
 FRIDAY — OCTOBER 7, 11 A. M. (promptly)

LUNCH AVAILABLE

AT THE FARM located on Rt 441, 2 miles north of Middletown or 6 miles southeast of Harrisburg. Or, take Turnpike Exit, Hbg. East follow Rt 230 By-Pass towards Harrisburg a quarter mile to Brookside Diner, turn right on Fu ling Mill Road to Route 441.

120 HEAD - 3 BULLS - 80 COWS & BRED HEIFERS  
 BALANCE OPEN HEIFERS & CALVES (23 Grades)  
 Majority Vacc, Bangs & T. B. Certified Over half fresh or due the latter part of this year.

This is an exceptionally nice young herd with good records and type. Many sired by bulls from the Southeastern Artificial Breeders' Coop. A large number sired by a son of McDONALD FARMS GALLANT out of BROOK FARM DAISIETTA 19049-915-7 yrs. Others by two young bulls or in calf to them, dam of one with 16127-653, the other a son of HIMINY HILL COUNT out of LAKE LOUISE AURORA GOLDEN 9792-498 Jr 2 305. A good percentage of the cows have good records. Milk weight to be announced the day of the sale. This number makes it necessary to sell the cattle fast, COME EARLY AND GET IN ON THE BARGAINS !!!

Sale Managed by For Catalogs Write  
 THE PENNA. GUERNSEY BREEDERS' ASS'N.  
 P. O. BOX 302 CAMP HILL, PENNA.

### TESTED SUPERIOR MEAT TYPE DUROCS

MONDAY, OCTOBER 10, 1960 (E.D.S.T.)  
 INDIANA FAIRGROUNDS, INDIANA, PA.  
 50 - HEAD SPRING BOARS & GILTS

Sired by: "The Topper". Only boar with (2) S. M. S. sons

"Model Boy. S.M.S. 7". His pigs made 200 lbs average in 133 days, feed conversion 291, length 29 1/2 Backfat 1 4/8, Loin eye 4.08.

Out of our Proven Sow Herd, that has been producing the Champions at Pennsylvania Livestock Exposition and Farm Show. Write for catalogs

CLYDE W. McCONAUGHEY & SON  
 Smicksburg, Penna.

### NORTHERN VIRGINIA FEEDER CALF SALES

Farmers Livestock Exchange, Winchester, Virginia  
 ANGUS HERFORD SHORTHORN  
 3,000 head - First Sale - Friday, October 7, 1960  
 1:00 P. M. (EST)

1,500 head - Second Sale - Friday, October 28, 1960  
 1:00 P. M. (EST)

Steers and Heifers Dehorned - Weight 300 lb up  
 Vaccinated for Blackleg, Malignant Edema, Hemorrhagic Septicemia Heifers from Bangs and TB tested herds. Consignor's guarantee no bred heifers or staggs.  
 State-sponsored and graded. All cattle eligible for interstate shipment.

For information - write or phone  
 NORTHERN VIRGINIA LIVESTOCK PRODUCERS' ASSOCIATION, INC.  
 Box 440; Winchester, Va. (Phone MO 2-1211)  
 Morris Fannon, Auct. I. Fred Stine, Sale Manager

## More World and National PRODUCTION RECORDS For Milk and Fat Made On PIONEER Than Any Other Feed!

Condition Your Cows for MAXIMUM PRODUCTION with...



- Same physical characteristics as roughage... highly palatable
- The right protein levels and properly fortified with vitamins and minerals for high herd health
- Built for maximum production... that's why many herds have increased production up to 30%

Come In and See Us About The Complete PIONEER Dairy Program

Joseph M. Good & Sons  
 LEOLA — QUARRYVILLE

## SPECIAL FEEDER CALF & CATTLE SALES WINCHESTER - MARSHALL - CULPEPER

VIRGINIA LIVESTOCK MARKET, Inc.  
 WINCHESTER, VIRGINIA PHONE MO 2-7260  
 FRIDAY, OCTOBER 7 - 6:00 P. M. (Night Sale)  
 TUESDAY, OCTOBER 18 - 6:00 P. M. (Night Sale)  
 TUESDAY, NOVEMBER 15 - 6 P. M. (Night Sale)  
 1000 to 1200 head in each sale  
 Special attention will be given to stocker cattle each Tuesday in October - our regular sale day.  
 James C. Cook, Manager, Phone MO 2-2909

PIEDMONT LIVESTOCK SALES, Inc.  
 MARSHALL, VA. - Phone EM 4-6241 or EM 4-3101  
 WEDNESDAY, OCTOBER 12 - 2:00 P. M.  
 WEDNESDAY, NOVEMBER 16 - 2:00 P. M.  
 500 to 700 head in each sale  
 Special attention will be given to stocker cattle each Wednesday in October - our regular sale day  
 Warren Richardson, Mgr. Mt. Jackson, Va. Phone GR 7-3417

CULPEPER LIVESTOCK MARKET, Inc.  
 CULPEPER, VIRGINIA - Phone VALLEY 5-0056  
 MONDAY, OCTOBER 10 - 2:00 P. M.  
 MONDAY, OCTOBER 31 - 2:00 P. M.  
 THURSDAY, NOVEMBER 3 - 7 P. M. (Night Sale)  
 MONDAY, NOVEMBER 14 - 6:00 P. M.  
 Special attention will be given to stocker cattle each Monday in October - our regular sale day  
 Phone Earl S. Hawkins, VA 5-7834 or Conner F. Yates, VA 5-7191

These sales will include all beef breeds  
 ANGUS — HERFORDS — SHORTHORNS  
 Both steers and heifers weighing 350 to 1000 pounds  
 All cattle will be carefully graded and weighed into uniform lots according to quality and size. All classes of cattle will be sold. There are no requirements.  
 Notice the regular day of Sale: Monday at Culpeper; Tuesday at Winchester; Wednesday at Marshall. Follow these "Nationally certified auction markets" for good Virginia beef cattle.  
 For further information contact: French A. See, operator, Winchester, Va, Phone MO 2-3130, - Howard Dawkins, auctioneer, Phone MO 2-3657 or Warren Richardson, Mt. Jackson, Phone GR 7-3417.



You save money with our Texaco "All-Star" heating oil service!

### GARBER OIL CO.

10 Fairview St  
 MOUNT JOY, PA.  
 Ph. OL 3-202

"DEPENDABLE NATIONAL CERTIFIED LIVESTOCK MARKETS"

## Staunton Livestock Market, Inc.

"A QUARTER OF A CENTURY OF DEPENDABLE SERVICE"

### SALES EVERY TUESDAY

C & O FLATS DIAL TU 6-5381 STAUNTON, VA.

## Rockingham Livestock Market, Inc.

U. S. ROUTE 11 SOUTH — HARRISONBURG

### SALES EVERY THURSDAY

Charles Lawson Jimmy Chambers L. H. Fleming  
 DIAL HARRISONBURG 4-6765 OR STAUNTON TU 6-5381