

# MSC SCIENTIST DISCOVERS NEW TREATMENT FOR BEANS INFECTED WITH ANTHRACNOSE

While developing techniques for treatment of bean seed at Michigan State College, Dr. Axel Andersen has found that Navy bean seeds, heavily infected with anthracnose, produce healthy plants following treatment with a material known as Yantide 51.

Dr. Andersen, of the United States Department of Agriculture and the department of botany and plant pathology at MSC, is continuing his research to learn more about the use of organic chemicals for seed treatment, and about methods of applying the materials to seed. The new techniques will be developed first of all to aid in the production of disease-free foundation stocks for the bean industry.

Seed treatment for the control of seed-borne diseases has been standard practice for many years.

## PREPARE FOR SPRING RAINS

Have gutter and nistal decks installed now  
"ANYTHING IN SHEET METAL WORK"

### A. R. PARKIN SHEET METAL

20921 OXFORD

Just West of Bortford Inn, Nr. 8 Mi. Rd.

Phone Farmington 2813-J

## SPRING SPECIAL SALE

Only 4 DAYS Remaining  
Here Are Just A Few of Our Many Specials

- HOUSE LETTER BOXES  
\$3.50 VALUE Special \$1.50
- STORM and SCREEN DOOR LATCH  
\$1.00 VALUE Special 75c
- TWO LIGHT STORM SASH  
OSM 28 x 59 1/4 — Ideal for Cold Frames  
\$3.35 VALUE Special \$1.50

LET US FENCE YOU IN—

### Pointed FENCE PICKETS

2 1/2" Wide x 2" 0" Long

10c VALUE Special 4c  
BAKELITE VARNISH  
Toughest Varnish Known — Not Affected  
By Heat or Boiling Water

- Gallon \$5.75 VALUE Special \$4.60
- 1/2 Gal. \$2.95 VALUE Special \$2.36
- Quarts \$1.85 VALUE Special \$1.48

## FARMINGTON LUMBER & COAL CO.

32800 Grand River

Phone 0020

# FARM NEWS

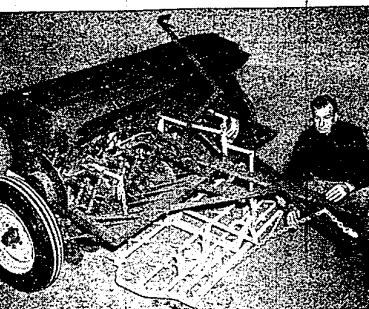
## FLYING FARMERS AID PRODUCTIVITY OF MICHIGAN LAND

Michigan farmers are turning the airplane into an important tool to help them meet the steadily mounting demand for food, feed and fiber.

They are treating more than 150,000 acres each year with insecticides, fungicides and herbicides. In this country, 6,000 pilots in the employ of some 1,600 operating companies are engaged in the aerial battle against insect pests, weeds and plant diseases, said L. J. Beedel, an agricultural research director for a chemical company. "These 'flying farmers' are making a real contribution to the defense effort by opening up more and more acreage for crop and pasture use," he added. "They perform some 300 different types of operations, doing the job faster, more efficiently, and in many cases at lower cost than ground distribution."

It is estimated that approximately 25,000,000 of the country's more than 300,000,000 productive acres receive aerial treatment

## Soil Device Perfected At M.S.C.



Equipment for once-over tillage is not a complicated affair, say MSC soil scientists. This drill was adapted in the college's agricultural engineering research laboratories to fit the needs of once-over tillage. Charles Bruffy, of the soils science department, examines the important features. Parts indicated in white were added to the original drill. A spike tooth drag levels the soil just before plowing. Adjustable sweeps fill in the depression made by tractor wheels. A mechanical lift controls both the disks and drag from the same lever.

## Once-Over Tillage Technique Cuts Labor Needs And Benefits Soil

A once-over tillage technique that eliminates much labor from the job of seedbed preparation and cuts cost is now being advocated by Dr. R. L. Cook, soils scientist of the Michigan Agricultural Experiment Station.

Coupled with the benefits from labor savings is the advantage of improved soil structure from once-over tillage. For some time, soil scientists have known that too much tillage packs the soil and prevents water from penetrating to plant roots.

Tests at Michigan State College have shown that crop yields from once-over tillage are just as high as those from other methods of tillage. In many instances they are higher.

The principles of once-over tillage are simple, Dr. Cooke says. Frequently, tillage operations are not eliminated, but merely combined. More equipment is added behind the tractor, resulting in less trips over the field.

Dr. Cook cites tests conducted in various locations with several crops which bear out the value of once-over tillage. Oats planted by plowing, disking and harrowing (two operations) gave a yield of 75.5 bushels. Once-over tillage consisting of plowing followed by a plow press drill (one operation) gave an oats yield of

77.5 bushels per acre.

Corn planted after five operations, consisting of a plow with sub hoes, disk, and twice over with a harrow, gave 54.3 bushels to the acre. Once-over operation with a plow and attached cultimulcher gave the same yield of 54.3 bushels of corn per acre.

In all cases, the once-over operations resulted in fewer trips and consequently maintained soil structures.

In these times of high costs, money savings are another important advantage of once-over tillage. At current rates for custom work, the conventional method of tillage could cost \$4.00 an acre for plowing; \$1.50 for disking once; \$1.50 for dragging once; and \$1.50 for drilling — a total of \$8.50 per acre for getting a crop into the ground.

A typical once-over tillage operation would cost \$4.00 for plowing and combined operations and \$1.50 for drilling — a total of \$5.50. This represents a saving of \$3.00 an acre over conventional tillage methods. Charles Bruffy of the MSC soil science department has worked out a once-over tillage apparatus that can be adapted by any farmer with average mechanical ability. The device includes a spike tooth drag, mechanical lift, sweeps and seed delivery, and other features.

## ASSISTANT AGENT GIVES POINTERS ON GRAPE RAISING

Nearly everyone who has a garden or a lot large enough for a garden has at least one grapevine, reports Willard E. Bosserman, assistant county agricultural agent.

However, if you don't have a grapevine you may be interested in setting out a vine or two. The most common variety is the Concord. The Concord is a blue grape. It matures about the middle of September. Fredonia is another blue grape that comes on in late August, about two weeks earlier than the Concord.

In the red grapes we have the Brighton, which has medium sized berries of excellent quality and matures a few days earlier than the Concord. The Delaware is another red grape and has small clusters and berries. The berry is very sweet, the vines are small, vigorous and productive. Niagara is the most choice green grape. The Seneca is a relatively new green grape and has a thin skin which can be eaten like those of the California grape variety. The Seneca matures in late August while the Niagara matures in mid-September, along with the Concord.

A cow needs from 3 to 5 gallons of water daily for each gallon of milk she produces.

## BEE-GEE

FOR EVERY FARMER  
IT'S A BOON,  
YOU CANNOT PUT  
IT IN TOO SOON



## NORTHWEST PROPANE

HEAT & COOK  
WITH GAS  
32455  
NORTHWEST  
MAYFAIR 6-2415

SERVING THE FARMINGTON AREA

## WITH DEPENDABLE PLUMBING and HEATING SERVICE

### Stanley R. Nielsen

Licensed Master Plumber

FOR PROMPT, EFFICIENT SERVICE

PHONE Kenwood 2-7152

ELECTRICAL SEWER CLEANING SERVICE

## NATURE'S on the GROW



Now Is the Time to Patch Up Your old lawn and seed a new one.

We Have in Stock Fresh Supplies of Grade A LAWN SEED MIXTURE or PERENNIAL RYE GRASS, RED TOP, KENTUCKY BLUE GRASS or WHITE DUTCH CLOVER, Separate TOL-E-GRO LAWN FERTILIZER \$1.90 for 80 lb. bag

MILLERS OF FLOUR AND FEED FOR OVER 50 YEARS  
FARMINGTON MILLS  
ESTABLISHED 1895  
33408 STATE ST. FARMINGTON - PHONE 0026

## BERLING-McHUGH, Inc. FORD SALES AND SERVICE Service Specials!

CLUTCH OVERHAUL  
NEW PRESSURE PLATE  
NEW RELEASE BEARINGS  
NEW CLUTCH, 255C  
AND LABOR ON  
'40 - '51 FORDS

ONLY \$32.50

NEW 6" MUFFLER and TAILPIPE INSTALLED  
'40 - '51 FORDS

ONLY \$12.50

FRONT END ALIGNMENT  
CASTOR, CAMBER, TOE-IN ADJUSTED  
'49 - '51 FORDS

\$6.75

MOTOR TUNE  
CLEAN and SPACE PLUGS  
CLEAN CARBURETOR  
CLEAN FUEL PUMP  
INSPECT DISTRIBUTOR POINTS  
TEST COMPRESSION  
1936 to 1951 FORDS

\$5.95 PARTS EXTRA

COMPLETE COLLISION SERVICE  
FREE ESTIMATES

NEW HOURS  
8:00 A.M. to 10:00 P.M.

24-Hour WRECKER SERVICE 24-Hour

## BERLING - McHUGH, Inc.

FORD SALES and SERVICE

30711 Grand River, Farmington

KE. 2-2121

FA. 2690

FA. 2691



## Complete Gardening & Farming SUPPLIES

SUCCESS THE FIRST YEAR MAY BE AN ACCIDENT  
SUCCESS THE SECOND YEAR IS COINCIDENCE, BUT  
SUCCESS YEAR AFTER YEAR, MUST HAVE A REASON!

FERTILIZE NATURE'S WAY — THE ORGANIC WAY!

The Best Assurance of Success in gardening and farming is the PROPER Use of

## ORGANIC FERTILIZERS

FOR LAWN, GARDEN and FARMERS' FIELD  
SEEDS Of All Types

We Will Supply Small and Larger Users in Any Amounts

COLLOIDAL PHOSPHATE (Organic Phosphate) \$2.25 per 100 lbs. \$32.00 per ton  
KAYLORITE (Organic Potash) \$3.25 per 100 lbs. \$53.00 per ton

BIOHUMUS "B" — This is not a fertilizer, it is a compost activator. Humus as you need it. With BIOHUMUS you get a high nitrogenous humus in 6 to 8 weeks without turning your pile.

FOR FURTHER INFORMATION WRITE

## HUNT ORCHARDS

38425 GRAND RIVER AVENUE

OPEN 10:00 A.M. WHOLESALE AND RETAIL OPEN 10:00 A.M.

Near 10 Mile Road

Phone 1888-W

## SEE BETTER LIVE BETTER



EASIER TO SEE—EASIER TO SHAVE

Speed your razor on its way with good lighting... enjoy a faster, smoother shave. You're much less likely to leave patches of stubble when light is even on both sides of your face and neck. With good lighting you see what you're doing all the time, so you're through in practically no time.

To enjoy the advantages of good lighting place a wall fixture on each side of your mirror and a ceiling fixture above it. See your electric lamp and fixture dealer.

FOR FULL INFORMATION...

SEE YOUR DEALER or Detroit Edison