

### Nitrogen Applied In Apple Sprays

By CARL E. VANDEMAN

The effect on apple tree nutrition of spraying a soluble form of nitrogen known as urea (Nu Green is the trade name) on the foliage has been under test for six years by scientist at the Experiment Station in New York State. The results seem to indicate that the practice has maintained yields as well as soil application of nitrogenous fertilizers and has also contributed to the reduction of the amount of scab occurring in the orchard.

Ordinary nitrogen fertilizers are too toxic to spray on apple trees, but urea-type materials (such as Nu Green) have shown promise. Five pounds of urea (Nu Green) in 100 gallons of spray materials can be used in the petal-fall spray.

One of the men in charge of the experiments states that better scab control on the urea-sprayed trees may have been due partly to a better nitrogen balance in the trees, but the results also indicate a direct increase in fungicidal effectiveness when urea was used in with wettable sulfur and arsenate of lead. The urea-sprayed trees showed better fruit color and less pre-harvest drop than where the fertilizer was applied to the soil.

It has been found that apple leaves take up urea at once and begin using it within a few hours, whereas nitrogen applied to the soil may require a matter of several weeks or longer to reach the leaves, depending upon weather conditions.

We want high nitrogen content in the trees and leaves in spring but low nitrogen content in fall. The condition is attained by use of urea sprays, whereas regular soil applications of nitrogen cause high nitrogen content in tree and leaf in both spring and fall, sometimes causing poor color, early drop, and soft fruit. Absorption of nitrogen seems to be more rapid on the under surface of leaves, due to the leaf hairs which may hold three times as much urea as the upper surface. This emphasizes the need for spraying the under-leaf sur-

### Attorney for Fuchs

A DIFFICULT assignment is that facing J. Thompson Halsall (above), who is the attorney for Dr. Klaus Fuchs, German-born scientist who is being held in London on charges of giving U.S. and British atomic secrets to Russia. Halsall refused to comment to reporters who questioned him on the case. The trial starts on Feb. 28. (International)

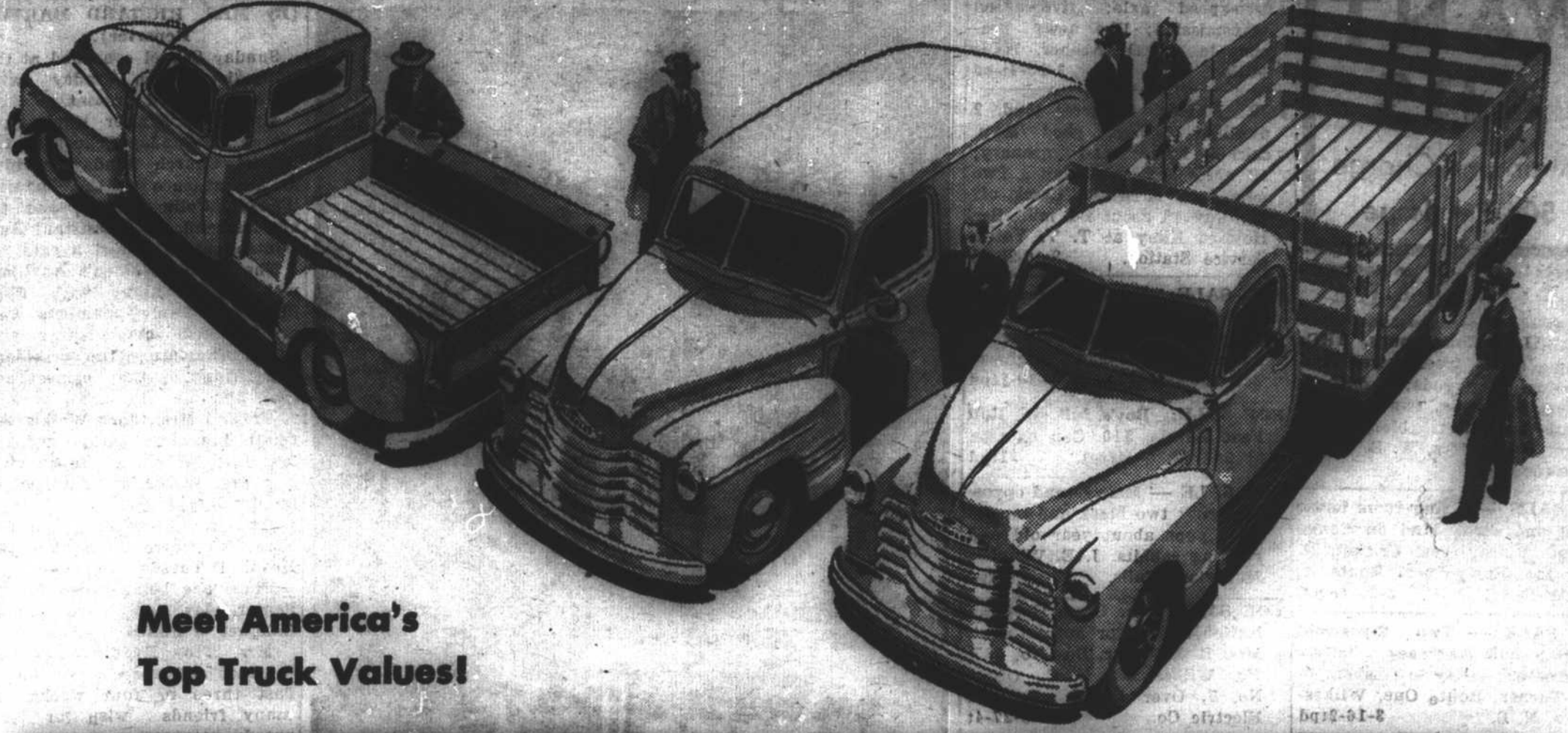
### Dellaplane News

The family of Mr. U. C. Harris have been ill with flu. Jarvis Mathis, of the Brier Creek vicinity, was ill recently. Services were held at Cranberry Saturday and Sunday. Mansfield Parks, colored has been confined to his bed by illness.

Mr. Tom Edwards, who died recently, was known by many here. He was a grandson of Col. B. F. Pettys, who once lived between Dellaplane and Wilkesboro in the old Antebellum house later occupied by the late Mr. Eli Anderson, and now torn away.

Total livestock numbers on farms in North Carolina, January 1, 1950, excluding chickens and turkeys, were only 2 per cent less than the number on hand January 1, 1949.

Absorption also seems better in cloudy weather than in sunshine.



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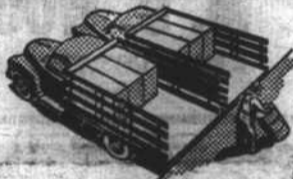
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SATURDAY, MARCH 18TH  
Contest Will Begin At 8: P. M. — Skating Time Will Be Limited To 7 3-4 Hours To Comply With State Law.

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**WAYNES PLACE**  
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**MULBERRY SKATING CLUB**  
Admission To Spectators 15¢

## KING OF THE ROYAL MOUNTED

By Zane Grey

THIS INN IS JUST A FRONT...

...FOR SOME ACTIVITY OUTSIDE THE LAW... OH-OH! I HEAR DOGS!

HMM! THREE DOG TEAMS PULLED INTO THE STOCKADE... ALL THIS IS BEGINNING TO ADD UP!

THERE! THAT'LL KEEP KING IN HIS ROOM... IF HIS SPRAINED ANKLE IS A FAKE!

I BOLTED KING'S DOOR, TAPPER!

BUT VANDA, HE'LL HEAR THOSE DOGS... HE'S BOUND T' GET NOSY!

WHY DON'T YOU LET ME RUB HIM OUT BEFORE IT'S TOO LATE?

MAYBE YOU'RE RIGHT, TAPPER... DO IT YOUR WAY!

THERE IS SOME NEFARIOUS ACTIVITY AT THIS INN! THEY LOCKED MY DOOR... THAT CLINCHES IT!

HMM! THERE'S A LEDGE OUTSIDE THIS WINDOW!

I CAN CRAWL ALONG IT AND REACH THE STOCKADE WALL... MAYBE...

TAPPER, IT-IT'S RISKY, KILLING A MOUNTIE? BESIDES, KING IS ARMED... BE CAREFUL!

YEAH, I KNOW! DON'T WORRY!