The Cherokee Scout, Murphy, N. C., Friday, July 4, 1930.

# Growers Protect Against Thrips Makes Excellent Pasture Just When Blue Grass Begins

## Tiny Insects Are Hard to Control Once They Get Good Foothold.

Cucumber growers have recently gocuplained of curling of the leaves accompanied by whitish spots of vary ing size. This damage is caused by thrios, minute suckling insects, says the Cornell university experiment station, and growers should take care to control them before they gain a foot-

#### Mistaken for Fungus.

Thrips are frequently mistaken for fungus growths because the insects are so small. They are usually found on the under sides of leaves. Leaves so faminged curl as it injured by aphids but the injury differs in possessing characteristic white spots.

Contractoristic white spots. A satisfactory remedy for thrips if applied as soon as the injury is de-tected is: One-half plat of nicotine-salphate containing 40 per cent free-nicotine; three pounds of laundry soap dissolved in water, and enough water to make tifty gallons of the mixture This mixture should be applied with a pump which has considerable pressure Care should be taken to spray the un-der sides of the leaves for only when reached by the spray are the insects killed

Dusts Prove Satisfactory. Dusts containing 3 per cent of free nicotine have proved satisfactory when

applied on warm days when little wind is blowing. Such dust must be applied with a dusier and not merely staken over the plants in order to be effective. The plants must be enveloped in a dust cloud. The Cornell experiment station has received word also of con siderable damage in other states.

# Treat Baby Pigs With

Serum Before Weaning Pigs treated with secure and virus before wearing time are as likely to be include to cholera as those treated at a more mature age, according to Dr. Charles Murray, Iowa state Some of the advantages to early

treating of pigs are 1. Pigs are over effects of vaccina-tion when weared,

Are less shied to infections and diseases than after they are weated and getting adjusted to grain feed.
Smail pigs are easier to handle.

4. Quantity of serum is tess than out for larger pigs.

Out of approximately 4,000 pigs varying from twenty our hours to eight weeks of age there have been only 23 dead animats in the last live supports. Many of these pigs have been injected with virus to test the im-munity acquired by baby pigs. Most of these that died were in the year 1926, when virus was produced under great stress of demand in the epidemic.

# Sudan Grass to Meet Emergency

When Blue Grass Begins to Fade.

When blue scass pasture begins to fun or when a farm owner decides to add to his live stock department, and posturare becomes a problem sudau grass o.dets a most promising emernearly pusture and hay · rave in theopinion of Fr. C. J. Willard of the farm crops department of the Ohio State university. Its rapid growth, lucurance, and drought resisting qual thes qualify it to fill in most nece ably, necording to Doctor Willard. ment ably according to Dartor Supplies Good Pasture

"Sudan grass may be sowed as tate as June 1, and will be ready to pasture by July 15. It will supply good must by July 15. It will supply good past ure from then until frost if it gets a few days rest oreastorally to make a rapid recovery from close grouping On good land sudan grass will sup-port one dairy row for nearly every

"In sowing sudar grass, the grower should apply from 20 to 50 pounds of seed to the acre with a grain drift Sudan grass will grow on nearly any soil, although of course it grows bet ter on good solt than on poor soll Is Nourishing Food

"It is highly putatable to cattle, and is nourishing feed, although not particularly high in protein of course. Southwestern states with dry climates bave found it particularly valuable, but it has been used to advantage in other climates. Sudan grass was first

# brought into the United States in 1911, and comes from the Egyptian Sudan on the edge of the Sahara desert. Importance of Suiting Load to the Tractor With increased use of tractors, farmers are rapidly becoming alert to the importance of sulting the load to the tractor. Fortunately, a majority

of implements are easily arranged in book-ups which insure a full load. The ordinary spike-tooth or drag harrow, however, is sometimes a rath-er unwieldy tool to transfer from one field to another, when it is used in wide enough widths to be economicalty adapted to tractor power. To aid farmers in handling these wide bookups tractor manufacturers have de vised plans for hitches which can be

easily arranged on the farm. In ad-dition, tractor owners can secure fold-ing eveners made of steel, enabling implements of unusual width to pass through ordinary gates.

# Barn and House Flies Transmit Hog Cholera

Cholera is not, as commonly sup-posed, carried so much by man or pigeons as it is by both barn and house flies. This finding is the result of ten years of investigational work, chiefly in Iowa. By liberating flies that were colored for later identification, it was learned that they traveled us far as thirteen miles, going six miles in 24 house. Horse flies followed a team two miles.

According to Dr. C. N. McBride, of the United States bureau of animal industry, if middle-western farmers would bale as much straw as needed would bale as future straw as needed and spread the remainder on the land, to he plowed under, they would be doing a wise thing so far as cholera is concerned. Wet straw and manure piles make ideal breeding places.

#### **Kill Perennial Plants**

During Summer Season July and August are the best months to kill perennial plants. There is no set day that will give better re-

sults than another. The reason that this season of the year is most effective in killing plants is because the plant has exhausted its supply of food from its roots and in these late summer months is manufacturing food on which to live the following winter. If anything happens to prevent a normal food storage, which is made in leaves and is trans ferred to the roots, the plant will have a hard time living over the next win-ter. This applies to perennial weeds as well as trees.





#### Danish Death Rate Cut

When Meat Was Barred During the World war the Danish government forced the people to adopt a meatless diet to conserve food and was sur; rised to note an immediate reduction in the mortality immediate reduction in the mortality rate, according to the national monthly Good Health. The Danish government left to Doctor Hindhede, Its commissioner of health, the com-plete control of the nation's food sumplies, says Good Health. He de-cided that the barley and potatoes usually fed to pics were essential to the health of people and that both mum and bics could not live. The number of pigs was reduced to one fifth. In addition he reduced the number of cows to two-thirds and in-cornorated the wheat hean of their forminer of cows to two funds and in-consorted the wheat bran of their food in the coarse rye bread of the country. The result of feeding a na-tion on a mentless dictary, and with the coarsest bread ever made was remarkable. The mortality of the whole country in the fraction of the whole country in the first full ration-ing year fell 17 per cent, and was the lowest death rate ever recorded in any country. This national ex-perience provided incontrovertible evidence that the old idea of the necessity of a meat diet is utterly wrong.

Good Camp Oven

An easily constructed oven for campers who fire of a constant fried campers who line of a constant fried-diet is suggested by a writer in Mod-era Mechanics Magazine. Small holes are punched along the seams of a five-gallon, square oil can and the joints laced with wire to prevent the can's opening if the solder metrs. Next, half of one end is cut away with a can opener, and the piece re-moved is wired to the edge of the can to form an oven door. Holes can to form an oven door. Holes are punched in each side of the can are puncted in each side of the can and heavy wire passed through for a supporting grate. Cover the can bottom with a layer of dry sand, which helps to even out the heat,

#### Unkind Wish

"Dancing is the poetry of motion." "I have heard so," answered Miss Cayenne. "My casual reading makes me wish more poets would quit writing and take up dancing."

Caught

Huggins to eatch you in his arms?

Perdita-Do you ever allow Jack

S10-S50 Day Promoting Home Talent Plays, Encyclopedia of money making plans, Par-tic N & Steed, Ensley, Hirmingham, Ala Wanted-Backharper every county as rep-resentative, chilege Professional Account-ing, Woodward Bidg., Washington, D. G. AGENTS MAKE S200 WEEK failed closes Wills Wereasts had

PAGE THREE

Chaks. Write W. Jenkins, 6 Fisher White Plains, New York. SORE EYES Dr. Salter's





ECZEMA HELPED of no pay if we help you send \$1.00. If not it's free, JOHN MCOKER, 587 John-atons St., Perth Ardioy, N. J. For Fale-Oil Lands, Oil Leases and Royal-ties, in Ohlahama, Taxaa, New Mexico, 40 acres up, terms, Empire Land Ayndicate, Dristance Elda, Etitalo, New York,





W. N. U., ATLANTA, NO. 26-1930.

# FREEDOM FROM PERENNIAL WEED PESTS MOST DIFFICULT TASK

## Prevent Seed Formation by Mowing and Spraying.

Eternal vigilance is the price of freedom from perennial weed pests, according to Charles F, Rogers, former assistant botanist and deputy state entomologist at the Colorado Agricul-tural college, who is the author of a bulletin on "Canada Thistle and Rus-sian Knapweed and Their Control."

Copies of this publication may be obtained by those interested by writing to the Colorado Experiment station at the college.

"Canada thistle and Russian knapweed, two of the worst weeds known to agriculture, are found associated with all crops and almost every kind of soil, and in every agricultural region of Colorado," the bulletin states.

"The best way to keep any peren-nial weed out of a locality is to use

### Poison Bran Controls Cutworms in Gardens

Prepared by the United States Department of Agriculture.)

Seedling tomatoes, cabbage, lettuce and melons are frequently cut off near the ground by cutworms, especially in the spring and early summer, says the United States Department of Agriculture. A cutworn is the young or caterpillar of a night-flying moth. The moth lays its eggs upon plants or other objects and in some cases di-rectly upon the ground and the eggs hatch into cutworms.

The commoner cutworms are stout, soft-bodied, smooth or nearly smooth, and cylindrical, varying in color from stuy to brown or nearly black and sometimes spotted or marked with stripes. Cutworms ordinarily work at night, but often feed on dark, cloudy days. Many kinds of cutworms go through the winter in the soil and begin work again early in the spring. Not only vegetable crops are attacked. but also a wide variety of ornamental plants and field crops may be severely

clean seed, to clean all farm machine-ry before it leaves the place where it has been used, and to prevent flowering and seed production.

"Proper control measures for per-ennial weeds should consist of the prevention of seed formation by mowing and spraying, the burning of mowed weeds, separate, clean cultivation of infestations, clean fallow at intervals ot crop rotation and smother crops."

## Sweet Potato Diseases

Prevented or Checked

combination of several practices for disease prevention is necessary in controlling sweet potato diseases, any one of which, if omitted, will fall in securing the desired results. For the best control of will the seed should have been hand selected in the field last fall. The use of certified seed is equally good. Treat all the seed be-fore bedding. Treated seed should be placed in new hot beds. Old beds are "hot beds" of diseases. New sand and new or sterilized fumber should he used for hot beds. When the plants are pulled and ready for transplanting they should be set in helds that have not been in sweet potatoes for five to seven years. Unless all these steps are followed, one or several of the common diseases may be present.

# Aphids Big Limiting

Factors in Production Aphids in the garden are limiting factors in the production of good vege tables. They are on the radishes, tur nips, spinach, and other plants. The andults are about one-sixteenth inca-tong and vary in color from green to red to black to mottled. The color depends on which plant they are feed ing Ordinarily the aphids are called plant lice. Do not wait till the plants are damaged beyond repair to look for the bug that is doing the injury Treat plants infested with aphids with nicotine dust containing about 7 per cent nicotine sulphate or 3 per cent free nicotine. The dust should be ap-

#### damaged.

Cutworms may be gotten rid of readily by using a poisoned-bran bait made up of one peck (or five pounds) of dry bran, one-fourth pound white arsenic or paris green, one pint sirup or molasses and three or four quarts of water.

## **Fighting Quack Grass**

Most Wearisome Task Fighting quack grass is about as mean a job as any that exists on American farms. Experience has proved that it is almost impossible Experience has to eradicate the grass completely, once it gets a start and extends its rootstocks in the fields, and that or dinary cultivation is just about as bad as leaving the weed alone. The ideal weather for killing quack

grass is hot days and cool nights, with just enough moisture in the soll to keep the grass growing. In midsum mer, say in July, when the grass be comes sod bound and the plants are in bloom, the roots accordingly are weak.

plied thoroughly with a good dusting machine

\* Agricultural Hints \*

A farm without trees is like a dog without fleas; fhere is something . . .

Cost per hour, with both tractors and horses, depends to a large extent upon the total hours work performed In a year.

Planting soy beans too deep delays their coming up and may permit a crust to form on the soil. One inch in a good seed hed is deep enough.

To get rid of mustard not only nust all the nustard plants be killed and prevented from producing seed but the seeds in the soil must be destroyed also.

Agricultural Hints

In a dry scason paper mulch generally increases yield.

Alfalfa is recommended as the best hay plant for all classes of live stock.

A farm without poultry is unusual. In early days a home without it was just as much so.

Getting the lambs off early gives the breeding ewes a better chance to get in good condition for winter.

Philippa—Yes, but I'm careful not allow him to catch me in any bands is that they are too much like husbands and not enough like lovers. other man's arms.

This Doctor's Prescription Will Keep Your Family Healthy

Dr. Hitchcock learned during his 63 years' practice as a family doctor that 90% of all sickness starts with stomach and howel trouble. He advised against the use of drastic purgatives which cause chronic

of drastic purgatives which cause chronic constipation. When any of his patients were consti-pated, showed signs of losing their appetite, or complained of indigestion, dizziness, headache, bilioanness, or upset stomach, he gave them his prescription known as Hitch-every and the trouble was soon removed. He found it safe for women and children; ideal for old folks, as well as for the most robust men. Dr. Hitchcock's Laxative Powder quickly relieves constipation and makes the stom-and above pure and clean, by remov-ing all of the poisonous fermenting residue of the accumulated undigested food that causes these troubles. Get a large yellow tin box for 25c at any drug store.

