

MEXICAN BEAN BEETLES ARE INVADING THE COUNTRY

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nozzle, on a 90 degree elbow, at the end of the spray rod. Where two nozzles are used to the row, one nozzle should be turned slightly forward, so that the sprays will not meet too closely.

For gardens and very small patches a small compressed-air hand sprayer may be successfully used. For fields from half an acre to 2 acres in size, a barrel sprayer may be mounted on a wagon and a row sprayed from both sides by the arrangement of the nozzles on a boom, or a wheelbarrow sprayer may be mounted on a slide and one row at a time treated in a similar manner at walking speed. While neither of these types of machines is all that could be desired, a grower with less than 4 or 5 acres of beans can hardly afford to invest in a high-priced traction sprayer for this use alone. Growers who have 5 or more acres of beans should use a traction type of horse-drawn sprayer or a power sprayer which will spray at least two rows at once. On larger acreages a 4-row sprayer should be used.

The larger sprayers should be fitted with a boom so that three nozzles may be directed to each row. Excellent results can be obtained if the rows are straight and are planted at regular distances. At least 150 pounds should be maintained.

Dusts.

Although spraying with liquid poisons has given consistently better results against this bean beetle than dusting, the latter form of poison is becoming more popular year by year, and in the infested territory most growers prefer to apply insecticides to their beans in dust form. Also, where medium infestation exists, dusting gives good results. The following mixtures have been successfully applied, and the grower should choose the one best suited to his use:

MAGNESIUM ARSENATE DUST.

For very heavy infestation:
Magnesium arsenate..... 1 part.
Hydrated lime..... 3 parts.
The rate of application is 10 to 12 pounds per acre.

For lighter infestation:
Magnesium arsenate..... 1 part.
Hydrated lime..... 5 parts.
The rate of application, 12 to 15 pounds to the acre.

CALCIUM ARSENATE AND LIME DUST.
Calcium arsenate..... 1 part.
Hydrated lime..... 9 parts.
The rate of application, 15 to 20 pounds per acre.

CALCIUM ARSENATE, SULPHUR AND LIME DUST.
(Alabama Experiment Station Formula.)
Calcium arsenate..... 1 part.
Fine dusting sulphur..... 1 part.

Hydrated lime..... 4 parts.
Rate of application, 12 to 15 pounds per acre.
\*Less than 0.5 per cent water-soluble arsenic pentoxide.

\*Less than 0.2 per cent water-soluble arsenic pentoxide.

Applying the Dusts.

The dust should be directed to the under surfaces of the leaves, covering as much foliage as possible. Enough of the mixture should be applied so that between 2 and 3 pounds of the arsenical in the dust is distributed on an acre of beans. Where a 1-9 calcium arsenate mixture is used, the grower may apply 15 to 20 pounds of the mixture to the acre of bush beans, and good results may be obtained under favorable conditions with only 15 pounds. Where the calcium arsenate, sulphur and lime mixture is used, 12 to 15 pounds is sufficient for an acre. Where magnesium arsenate is employed, 10 to 12 pounds of the 1-3 mixture or 12 to 15 pounds of the 1-5 mixture to the acre is sufficient.

Dust mixtures may be prepared on the farm by placing the ingredients in a steel drum or barrel, which is then tightly closed and rolled about for a distance of 400 or 500 feet. At the same time it should be tipped on end at intervals of about 50 feet.

Dust should be applied with a good duster; never with a sack. For gardens and small patches of less than a fourth of an acre, hand dusters of the bellows or air-pump type are satisfactory. On fields over a fourth of an acre in size and up to 5 acres, a larger machine should be used. A knapsack type of bellows duster with a spout attached to a flexible hose is effective. The dust can be directed to the under surfaces of the leaves with this machine. A fan type of duster may be used if the nozzle is turned sidewise so that the dust is directed under the leaves.

Where 4 or 5 acres of beans must be treated at one time, a horse-drawn type of 2-row duster is preferable where rapid treatment is desired. The nozzles, as with hand dusters, should be directed to the under surfaces of the leaves.

In the treatment of more than 5 acres of beans, a 2-horse, 4-row duster is the most effective. Best results have been obtained with a traction type of machine. For all dusting and spraying operations, the rows should be planted equal distances apart and should be straight. On good soil the average distance between rows should be 3 feet.

There is practically no danger of arsenical poisoning from consumption of treated beans, but they should be rinsed twice in



Dean Lucas, 13, of Congress, O., won the \$1,000,000 national spelling bee prize when his last opponent, Ralph Keenan of Waukon, Ia., missed on "abrogate" and he spelled it correctly. Keenan won \$500.

clear water before marketing to assure absolute safety.

Culture Practices Favorable for Control.

Under Mexican bean beetle conditions every effort should be made to grow a vigorous, quickly maturing crop. The land should be well tilled and well fertilized, and an early-maturing variety of beans, suitable to the locality, should be grown. In cases of severe infestation, the control of this pest on pole beans is expensive because of the slow maturity of the crop and the greater number of insecticide applications necessary. Pole beans cannot be easily treated with horse-drawn machinery.

The spring crop should be planted as early as approved practice in the locality will permit. In 1922, in Alabama, the early spring crop was not severely injured before it was harvested, but plantings made a month later were in most cases either destroyed or severely injured.

The fall crop should be planted as late as possible. The beetle does not reproduce so rapidly in late August and September as in spring and early summer.

MRS. BEN GOODMAN PASSED AWAY LAST SATURDAY.

The readers of The Messenger will be grieved to hear of the death of Mrs. Ben Goodman, of Burlington, which occurred at the Wesley Long Hospital, in Greensboro, on Saturday morning at 3:15 o'clock, following an operation on Tuesday night for appendicitis.

Before marriage she was Miss Eula Blackmon, a native of Sampson county. The family moved to Haw River when she was a child, and in young womanhood she was married to Mr. B. N. Hughes. He lived only a few years, and she was married to Mr. Goodman in 1905, and they had made their home in Burlington since that time. She was about 55 years old.

She is survived by her husband and a son and daughter, Mrs. C. R. Faucette, and Harrison Goodman, both of Burlington; one sis-

ter, Miss Julia Blackmon, of Haw River; three brothers, George Blackmon, of Burlington, and J. H. and W. F. Blackmon, of Greensboro; and two half-brothers, John Thornton, of Cramerton, and Sam Thornton, of Hawfields.

She was a member of the Disciples church, in Sampson county, where she had joined as a child. She was a woman of most estimable qualities, a devoted wife and mother, a kind and generous neighbor and a faithful and loving friend.

The funeral was held at the home Sunday afternoon at 4 o'clock, Rev. Dr. G. O. Lankford conducting it, and the body interred in Pine Hill cemetery by W. Levi Burke.

The following acted as pallbearers: Messrs. F. P. Rudd, Van Winingham, W. E. Hay, J. A. Barnwell, L. B. Whitted, H. W. Trollinger, E. L. Bowland, M. B. Smith and J. V. Simpson.

GENERAL COUNTY COURT CONVENEED LAST MONDAY

Alfred Cook and Lawson Turner Sentenced for Violating Volstead Act.

The General County Court of Caswell started off auspiciously in its first session last Monday, Judge M. C. Winstead presiding. When the court convened Judge Winstead said that he would be glad to hear any expressions from the people of the audience, favorable or unfavorable. A number of the people present made a few remarks approving the court, among them being Attorney E. T. Upchurch, Attorney Robert T. Wilson, Attorney W. B. Horton, Clerk George A. Anderson and Thomas S. Neal.

A large number of the citizens of Caswell were present, all of whom were greatly interested in the court. The general opinion appeared to be that it would prove beneficial to the county and give general satisfaction.

For a number of years the courts of most of the counties of the State have become congested and some remedy had to be provided. The Legislature seemed to be determined not to increase the judicial districts of the State, so it has become necessary to establish inferior courts. We have been informed that the Recorder's Court of this county has paid well from a financial standpoint, having paid into the treasury for the two years it was operated more than \$15,000 in fines and forfeitures, this alone has justified the establishment of the court. A large number of criminals have been sent to the roads and we understand that very few, if any of those convicted of violation of the criminal law has been brought back for a second offense.

In the establishment of the General County Court, it has a larger jurisdiction and will save the county from having more than two terms of Superior Court, the General County Court taking care of the business, and in this way, the people will get their business through court without



Madge L. Lockwood, 22, of Zelig, Ill., detained counterfeit \$5 bills by the FBI—as she worked in the local bank. She tipped off Federal officers and a gang which had circulated \$400,000 of spurious notes was caught.

unnecessary delay as has been the case heretofore.

The people of Caswell county seem to be getting closer together than they have ever been politically, and this means that the county will do bigger and greater things, because when they unite on the matters that arise, instead of fighting each other, it will be easier to accomplish something.

Two or three minor cases were disposed of Monday. Alfred Cook, of Pelham, was tried for making whiskey, found guilty and fined \$100 and costs, together with a suspended sentence of 18 months on the road conditioned upon good behavior.

Lawson Turner, of Pelham, was given eight months in the county home for selling whiskey. He has rheumatism and can hardly walk. His daughter, Beulah Turner, will be heard for the same offense before the Juvenile Judge, George A. Anderson, on next Saturday.

DANVILLE GIRLS CAMP A WEEK AT THE ROCK HOUSE

Not long ago the following Danville girls, members of the First Baptist church, spent a week at the Rock House in Caswell county, and had a rousing good time. The names of the girls composing the party were: Elise McLaughlin, 850 Grove street; Mary McCrary, 749 Main street; Martha Ferguson, Park street; Jessie Bennett and Mabel Bennett, College avenue; Orline White, McKenny, Va.; Helen Adams, Mountain View, and Rebecca Moore, McCarthy street, Raleigh, N. C. Jessie Bennett and Orline White were the chaperones.

SHERIFF GUNN AND HIS MEN MAKE 2 CAPTURES

Sheriff John H. Gunn, assisted by Deputies J. C. Long, C. D. Barker and J. O. Powell, captured Alfred Cook making fire-water last Saturday morning at 7 o'clock, after lying in ambush all night. Cook was making the stuff in two tin tubs. There were about 50 gallons of mash.

The sheriff and his helpers also caught Lawson Turner and his daughter, Beulah, selling whiskey last week. Both of the above cases were brought to court last Monday.

LOCALS AND PERSONALS.

The revival is to begin at Connally's church on the first Sunday in August. They have what is called "All Day Meetings" at Connally's with dinner on the ground. There was much interest displayed in the meeting there last year, and it is expected that no less interest will be shown this year.

Mr. and Mrs. T. T. Adams and Mrs. Walt were visiting Mrs. Sallie H. Jones recently.

Miss Hannah Bradner, of Yanceyville, has returned home after spending the week with her grandfather, J. C. Smith, at Blanche.

MARTHA PENDER WEDS LIEUT. EDWARD MOORE

Lieut. Moore is the Son of Mrs. S. L. Moore, of Ringold, Va.

The First Presbyterian church, Norfolk, Va., presented a brilliant scene last Saturday night when Miss Martha Wallace Pender, daughter of Mr. and Mrs. David Pender, became the bride of Edward Peerman Moore, lieutenant, U. S. Navy, and son of Mrs. S. L. Moore, of Ringold, Va. The ceremony, which was witnessed by a large assemblage of society and many guests from out of town, was performed by the pastor, the Rev. Jason Leon MacMillan. It was a naval wedding, and the bridegroom and his ushers, with the exception of the bride's brother, all officers of the navy, wore the white service uniforms. At the conclusion of the ceremony the bride and bridegroom passed under the crossed swords of the ushers.

The bride entered the church with her father, by whom she was given in marriage. She wore a period gown of white satin made bouffant style with an uneven hem line. The bodice was of satin with a yoke and tight sleeves of rose point lace. Her veil of rose point lace over tulle, which reached to the end of her court train, was arranged from a cap of lace and orange blossoms and her flowers were a shower bouquet of lilies of the valley and gardenias. Her only ornament was a pearl brooch which has been an heirloom in the family for over a hundred and fifty years.

The bridegroom had as his best man his brother, Lindsey L. Moore, of Ringold, and the ushers were Lieut. Frederick W. Neilson, Lieut. William Butler, Lieut. John J. Lenhart, Lieut. J. B. Voight, Lieut. Max Welborn, Lieut. Robert E. Blick, U. S. N., and David Pender, Jr., brother of the bride.

A small reception followed the ceremony at the home of the bride's parents on Redgate avenue.

Later in the evening Lieutenant Moore and his bride left for a motor trip North, and after August 1, will reside at the Roosevelt Hotel, Washington.

MEXICAN BEAN BEETLE.

The Messenger has been asked to publish the means recommended for the control of the Mexican bean beetle, which has invaded this section like a scourge this year.

We secured Farmers' Bulletin No. 1407 (U. S. Department of Agriculture) from the office of Fred Walker, county agent of Rockingham county, Reidsville, and are publishing a part of that relating to the control of the beetles, together with a letter from our State entomologist, which Bradshaw and Thompson, of Burlington, happened to have.

If the people of this section hope to have any more snap beans or butter beans this year they had better follow the directions for controlling the pest, as published in The Messenger this week.

J. TABB NEBLETT VISITS HIS SISTERS AT MILTON

J. Tabb Neblett, of Lunenburg county, Va., is spending several weeks with his sisters, Mrs. E. D. Winstead and Mrs. Belle Taylor, at Milton, and says that his health has improved considerably during his stay there. He has been in poor health for some time.

Mr. Neblett's mother was Miss Victoria Garland before her marriage, who for some years following her marriage lived at Longwood, which is called the Donoho place. Mr. Neblett says he used to come to Milton on visits, but has never before been so impressed with the scenery about Milton as he is now. He says he considers this scenery something rare and beautiful.

Mr. Neblett is a favorite wherever he goes because of his genial nature and vivacious spirits. He says he takes a great interest in young people and likes to be with them. While here he has visited the young ladies at Camp Oziya.

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"One of the Seven"



President Coolidge, fishing with worm bait, it is said, is catching them over in Squaw Creek, Black Hills, S. Dak. Mrs. Coolidge insisted upon seeing the catch, and wasn't it natural that the President show the largest one—a rainbow trout, 1 pound, 14 ounces?