



METHODS OF CONTROLLING MEXICAN BEAN BEETLE

(From The Southern Planter)
Handpicking.—The garden beans may be effectively protected from bean beetle injury by handpicking the beetles when they first appear. If the beetles are destroyed as they arrive and before the eggs are deposited the injury can be kept at a minimum. However, this method of control would be practical on only a few rows of beans.

Calcium Arsenate and Hydrated Lime.—Calcium arsenate diluted at the rate of one part of the arsenic to nine parts of lime is recommended as the most readily available material for dusting beans. This combination has now been used with satisfactory results for three seasons. It is essential that the material should be applied to the underside of the bean foliage as the beetles and larvae feed almost entirely from underneath and it is a waste of energy and materials to dust the poison on the upper sides of the plant. This may be accomplished with an angle nozzle so arranged that the dust is directed upward.

Calcium arsenate may be applied in the form of a spray according to the following formula:

Calcium arsenate, three-fourths pound; hydrated lime, one and one-half pounds; water, fifty gallons.

Magnesium Arsenate.—Experiments in Alabama have indicated that magnesium arsenate is least injurious to bean foliage. This poison may be applied either in the form of a spray or dust. Two pounds of magnesium arsenate and one pound of caseinate of lime to each one hundred gallons of water applied to the undersides of the foliage in the form of a spray has given excellent results without injury to the beans. According to Mr. N. F. Howard the magnesium arsenate has been giving good results on large acreages and is strongly endorsed by growers.

Magnesium arsenate is also safe for use as a dust in which form it could be thoroughly mixed at the rate of one part magnesium arsenate to five parts of hydrated lime.

Calcium Sulphur Dust.—Although somewhat more expensive, these materials mixed in the proportion of calcium arsenate one part, super-fine sulphur one part, and hydrated lime

four parts, have given excellent results. This dust may be purchased ready prepared or prepared at home.

The Cost of Treatment.—Records in Alabama made by government entomologists indicate that the cost of protecting beans is somewhat as follows: The cost of making four applications of dust ranged from \$4.50 to \$12 per acre, depending upon the price of materials and the kind of machinery used; while the cost of four spray treatments likewise ranged from \$4 to \$8 per acre. These figures include labor and material.

The Purchase of Materials.—The calcium arsenate and also dusting machines can be purchased from many stores in southwest Virginia. Several hardware firms are endeavoring to assist their patrons by mixing the calcium arsenate and hydrated lime. Some are selling the poison at a reduced price in order to encourage the treatment of beans. If you are unable to purchase the material ask your county agent or write the Virginia Experiment Station, Blacksburg, Virginia.

Recommendations
 Apply the poison as soon as the beetles appear and repeat the application at intervals of a week or ten days depending upon the weather and the number of beetles present. If the infestation is severe four applications may be required.

Secure a machine equipped with an attachment that will enable you to dust the underside of the foliage.

At present calcium arsenate is the poison most readily available. If used as a dust, dilute the calcium arsenate with nine parts of hydrated lime.

Do not use lead arsenate or Paris green on bean foliage as these poisons seriously burn the beans.

Danger of Persons Being Poisoned by Eating Beans That Have Been Dusted with Calcium Arsenate.—Perhaps the most important reason why the bean beetle has gone unchecked and with little or no effort at control is because many people have been afraid to use beans after the plants had been dusted with arsenical poison.

The beans should be carefully washed and all traces of the poison dust removed before being cooked. At the Alabama Experiment Station a chemical analysis

of several samples of dusted beans was carefully made and it was found that in order to get a fatal dose of arsenic a person would have to eat forty pounds of green beans. For the past several seasons it has been the practice of the bean growers in the infested area to dust beans, and thus far there have been no reports of injury.

Reno, Nev., is back into the divorce running. Gee, won't that make Paris green?

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STRAYED—From my home at Hayesville, female hound, dark red with white feet, medium size. Any one seeing or hearing of this hound please notify, T. S. A. CANADY, Hayesville N. C.



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WEEK COMMENCING MONDAY JUNE 13

PROGRAM

MONDAY
 Little Miss Lightfingers

TUESDAY
 Her Dangerous Hour

WEDNESDAY
 The Dollar Power

THURSDAY
 Too Much Mother-in-Law

FRIDAY
 The Game

SATURDAY
 Melvinas Courtship
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Doors Open 7:15—Curtain 8:00
ADMISSION

Adults 35 cents Children 15 cents
 Reserved chairs 15c extra

NOTICE OF SUMMONS
 NORTH CAROLINA—Clay County:
 In the Superior Court, Before the Clerk
 Fred G. Waldroup and wife, Edna Waldroup
 vs
 Garnett Moore
 The defendant above named, Garnett Moore, will take notice that a special proceeding entitled as above has been commenced in the Superior Court of Clay County, North Carolina for the purpose of selling for partition certain real estate in said county and state fully described in the petition in this cause now on file in office Clerk Superior Court, and in which the defendant has an interest; and thence the said defendant will further take notice that he is required to appear before

W. L. Matheson, Clerk of the Superior Court of Clay County at his office in Hayesville in said county and state on the 2nd day of July, 1927 and answer or demur to the petition of plaintiffs or the plaintiffs will apply to the court for the relief demanded in the petition.
 This the 30th day of May, 1927.
 W. L. MATHESON,
 (39-4t) Clerk Superior Court.

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WE CANNOT EXTEND FURTHER CREDIT TO ANY ONE WHO OWES US A PAST DUE ACCOUNT.

SIGNED,

CURTIS & THOMPSON