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How To Use

FERMATE

To Control Blue Mold On Tobacco



A good rotary duster suitable for dusting narrow plant beds.

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CONTROL BLUE MOLD! IT D



Sprayed with Fermate

Both of these beds were on the same farm, the seed were
for spraying w

HOW TO USE FERMATE

Fermate may be used either as a spray or as a dust. It is a protective material and must, for best results, be applied to the plants before blue mold appears. The number of applications needed to control the disease will vary with the season, but the first application should be made when the plants begin to "square" or when they are about the size of a dime. Apply Fermate regularly twice each week until the plants are set in the field. Eight to twelve applications will probably be required. If a rain occurs and washes off the material, another application should be made as soon as the rain stops.

Fermate as a Spray

Two and one-half pounds of Fermate is enough to treat 100 square yards of plant bed for the season. When the plants are small, 2½ gallons of spray for each application is sufficient to cover 100 square yards. For larger plants, 7 to 8 gallons may be needed.

How To Mix the Spray

Prepare the spray by mixing the Fermate powder in water at the rate of 5 level tablespoonfuls (½ ounce) to each gallon of water. Only enough material for one application should be made up at a time. Put the powder in a fruit jar and fill it half-

S SIMPLE, EASY, INEXPENSIVE



Not Sprayed

planted on the same date and the beds treated alike except with Fermate.

full of water. Place the lid on tightly and shake vigorously until the Fermate and water are thoroughly mixed. Then pour this mixture into the proper amount of water. Keep the mixture thoroughly agitated while spraying. If blue mold appears in the plant bed, increase the amount of Fermate used to about 7 or 8 tablespoonfuls per gallon.

How To Apply Fermate Spray

A bucket or wheelbarrow-type sprayer is best. However, a small 3-gallon compressed air sprayer will be satisfactory for small beds. Keep the spray nozzle one to two feet above the plants and move it back and forth until black spray droplets appear on all the leaves. Small plants may be sprayed through the plant bed cloth if a high-pressure barrel pump is used and if the cover is stretched at least 6 inches above the plants.

Fermate as a Dust

Some farmers prefer to use Fermate as a dust, because of the greater convenience and ease of application. A 15% Fermate dust may be purchased ready-mixed, or it may be mixed on the farm if directions are carefully followed and the material is thoroughly mixed.

Dust treatments, just as spray treatments, should begin before blue mold appears, and repeated twice

each week or after each rain. If blue mold appears in the plant bed, increase the rate and make 3 applications instead of 2 applications that week. Approximately 30 pounds of mixed dust should be sufficient to treat 100 square yards of plant bed for the season. About 1 pound of dust will be required for each application when the plants are small. It will require two to three pounds per 100 square yards later in the season. The cost will be about twice that of spraying.

Use a good crank-type duster. When the plants are small, dust through the cloth. For best results, the cover should be several inches above the plants and completely dry. It is impossible to properly dust a bed that is over 4 yards wide without removing the cover. All plants must be uniformly covered with the dust at each application.

Control Flea Beetles with DDT

DDT may be added to the Fermate spray for controlling flea beetles, using 2 level tablespoonfuls of the 50% wettable powder to each gallon. Or if a dust is preferred, make a separate application of a 3% DDT dust mixture. Usually 1 or 2 applications with DDT early in the season and 1 application just before pulling the plants will be sufficient.



A wheelbarrow type sprayer suitable for spraying tobacco plant beds.