

LD
5655
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M1197
no. 132
SPECIAL
COLLECTION

HOW TO CONTROL WILDFIRE AND BLACKFIRE IN TOBACCO

- I. Use a bluestone-lime (Bordeaux mixture) drench at the rate of 1 quart of the solution to each square yard or 25 gallons to 100 square yards of plant bed.

How to Prepare Bluestone-lime Mixture

- a. Dissolve $1\frac{1}{2}$ pounds of powdered bluestone in 2 or 3 gallons of water (do not use a metal container). Warm water will hasten the dissolving of the material. Be certain that bluestone is completely dissolved before mixing with lime water.
- b. Mix 2 pounds of fresh hydrated lime in 2 or 3 gallons of water.
- c. Pour the lime water and bluestone solution together. Stir well and strain to remove sediment, then add water to make 25 gallons.

- II. Fixed copper drench: Use a commercial brand, such as Tri-basic, Copper A, etc., at the rate of 6 ounces of the actual copper in 25 gallons of water. This means that you will use $\frac{3}{4}$ pound of approximately 50% copper bearing fixed copper in 25 gallons of water. No lime is required for fixed coppers. Do not use dried or instant Bordeaux.

Apply the bluestone-lime or fixed copper drench through the canvas so as to thoroughly cover the seedlings, the ground, and the frames of the bed. The drench may be applied with a sprinkling can or a coarse nozzle sprayer. Use 1 quart of the solution to each square yard. Twenty-five gallons is sufficient to drench 100 square yards. The plant bed should be drenched twice; first, when the young plants are emerging from the ground and again about two weeks later. (Applications made after plant leaves are the size of a quarter are of no value). The soil must not be disturbed by weeding, etc., after the drench has been applied, because this will destroy the effectiveness of the application.

Always mix a fresh batch of Bordeaux. Never put nitrate of soda in the mixture. Bluestone-lime is not recommended for blue mold control.

In addition to the recommendations made above, it is essential to observe the following sanitary precautions:

- a. Keep all tobacco trash out of the bed.
- b. Avoid chewing and spitting tobacco juice on the bed or hands while working in the plant bed or pulling plants.
- c. Use a new canvas or one that has been boiled.

MR-132 Revised
1-5-53
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