

# **FLUE-CURED TOBACCO**

## General Information

### GENERAL INFORMATION

CONTACT-85 is carefully balanced combination of active ingredients and wetting agents (surfactants) to be used for the control of sucker growth on Burley, Flue-cured and Dark tobacco. The concentrated product is diluted with water to form a creamy emulsion which is applied as a coarse spray. The emulsion is effective only when it comes in direct contact with the suckers; therefore, the material is applied so that maximum contact is made with the suckers. This product can be used alone, or can be followed by a systemic sucker control agent in a dual treatment program on Flue-cured or Burley tobacco.

## Limitations, Restrictions, and Exceptions

### TIME OF APPLICATION

This product may be applied either before or after topping at the button to early flower stage. However, best results are usually obtained by spraying the Tobacco with this product before topping and then topping within a week, removing any suckers that were missed. Topping can be done one to two days before spraying. At the same time remove any suckers over one inch in length and straighten and plants that are leaning so that the emulsion flows down the stalk evenly and makes the necessary contact with each other. This product may be applied anytime during the day until about 7:30 p.m.; however, best results are obtained when plants are sprayed in the morning after the dew has dried or in the afternoon when the plants have recovered from wilt. Some injury to the tender leaves at the top of the plant may result from the application of this product under bright sunlight at temperatures above 90°F. Injury may also result if this product is applied to the underside of the Tobacco leaf; thus, application in winds high enough to turn over the top leaves is not recommended. Do not apply during rain or to wet plants. However, if the material has been on the plants over an hour before a rain or irrigation, reapplication should not be necessary.

## NUMBER OF APPLICATIONS

In many cases a single application of this product is satisfactory to control both primary and secondary suckers. If secondary sucker growth appears vigorous, a second treatment on Flue-cured or Burley tobacco 3 to 7 days after the initial treatment may be advantageous. Excellent leaf quality can be obtained with the use of this product alone in one or, where necessary two applications. Some growers favor a dual treatment using this product first (at the button stage) followed 1 to 2 weeks later with a systemic sucker control agent (maleic hydrazide) used in accordance with manufacturer's instructions. If this dual treatment method is used, an application rate of 1 ½ to 2 gallons of this product per 50 gallons of spray solution is adequate.

## RATE OF APPLICATION

For use on Flue-cured and Burley tobacco, this product should be diluted at the rate of 4 to 5 ounces per gallon of water or 1 ¾ to 2 gallons per 50 gallons of spray solution. For Flue-cured tobacco, rate may be increased to 2 ½ gallons per 50 gallons of spray solution for the second application, about 3 to 5 days following the first application, unless plants are tender. For extended sucker control, this product may be applied as needed at the rate of 2 ½ gallons per 50 gallons of spray solution 3 to 4 weeks after maleic hydrazide has been applied.

## METHOD OF APPLICATION

The diluted emulsion is most easily prepared by adding the required amount of this product to your spray tank and then adding the water. In order to obtain the best results, it is important that the water be added to the product rather than the product to the water. If you use a hand-held or backpack sprayer, the diluted emulsion should be applied at a rate of 2/3 to 1 ounce per plant (or enough to ensure run down to the bottom of the plant). A coarse spray is recommended, directed downward at the top of the stalk from 6 to 8 inches above the top leaves. Very little tank pressure is required, and in no case should more than about 20 pounds per square inch (psi) be used. When applied with power equipment, three nozzles per row should be used (TG-3 full cone tips, or equivalent are recommended). One nozzle should be directed downward over the center of the row and one should be 9 inches on either side directed at or slightly above the top of the stalk. The diluted product should be applied to the topped Tobacco as a coarse

spray from a height of 12 to 16 inches above the top of the stalk. It is recommended that boom pressure be kept at 20 to 25 psi and should never exceed 30 psi. By using the recommended spray tips, spraying at 20 to 25 pounds pressure, and operating at a tractor speed at 2 ½ to 3 mph, you will apply approximately 50 gallons of diluted emulsion per acre of Tobacco. If allowed to stand for extended periods of time, the diluted emulsion may separate. Always remember to mix well immediately before using. In order to minimize the possibility of injury to the Tobacco plants, do not mix this product with other chemicals such as insecticides or herbicides, or apply this product to plants which have recently been treated with such chemicals. Be sure that all spray equipment has been carefully rinsed out prior to using. In Burley tobacco, during prolonged periods of high heat and humidity or under other conditions which might favor the spread of Hollow stalk or Stem rot diseases, delay application of this product until these conditions pass.

Method

[Spray](#)

Rates

[field rates 0](#)

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Timings

[At the button to early flower stage.](#)