

# **TOBACCO, FLUE-CURED - HAND SPRAYER**

## General Information

TEN-TAC is carefully balanced combination of active ingredients and wetting agents to be used for the control of sucker growth on Burley, Flue-Cured, Dark, Maryland, and Cigar Tobacco. The concentrated product is diluted with water to form a creamy emulsion which is then applied as a course spray. The emulsion is effective only when it comes in direct contact with suckers; therefore, the material is applied so that maximum contact is made with the suckers.

## WHEN TO APPLY

TEN-TAC can be applied before or after topping. Best results are usually obtained by spraying the tobacco with TEN-TAC before topping, in early to late button stage, and then topping the tobacco within a few days, removing any suckers that were missed. If you top the tobacco plants before spraying, remove any suckers over one inch in length as you top and apply TEN-TAC one or two days after topping. Because TEN-TAC is a contact type agent, it is necessary to straighten any plants that are leaning so that the emulsion flows down the stalk and evenly contacts each sucker.

TEN-TAC can be applied any time during the day. However, for best results it is recommended that you wait until the dew dries before spraying. Do not spray after the leaves begin to close in the evening. Because the underside of the leaves may be injured by contact with TEN-TAC, do not apply when the wind is high enough to turn top leaves over. Do not apply during rain or when plants are wet. If, however, it rains after TEN-TAC has been on the plants for over an hour, you should not have to apply TEN-TAC again. 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 TEN-TAC until these conditions pass.

## HOW TO APPLY

The diluted emulsion is most easily prepared by adding the required amount of TEN-TAC to your spray tank and then by adding the water. In order to obtain the best results, it is important that the water be added to the TEN-TAC rather than TEN-TAC to the water.

If you use a hand-held or back-pack sprayer, the diluted emulsion should be applied at a rate of 2/3 to 1 ounce per plant (or enough to insure run down to the bottom of the plant). A course spray is recommended, directed downward at the top of the stalk from 6-8 inches above the top leaves. Very little tank pressure is required, and in no case should more than about 20 pounds be used.

When applied with power equipment, three nozzles per row should be used (TG-3 full-cone tips, or equivalent is satisfactory). Replacing the center TG-3 nozzle with a TG-5 full-cone nozzle, which provides more spray solution down the stalk, is also 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 TEN-TAC should be applied to the tobacco as a course spray from a height of 12-16 inches above the stalk. It is recommended that boom pressure be kept at 20-25 lbs. and should never exceed 25 lbs. By using the recommended spray tips, spraying at approximately 20 lbs. of pressure, and operating at a tractor speed of 2.5-3 mph, you will apply approximately 50 gallons of diluted emulsion per acre of tobacco.

NOTE: If allowed to stand for extended periods of time, the diluted emulsion may separate. Always remember to mix well immediately prior to use.

Be sure that all spray equipment has been carefully rinsed out prior to using.

#### HOW OFTEN TO APPLY

In many cases a single application of TEN-TAC is satisfactory to control both primary and secondary suckers. If secondary sucker growth appears vigorous, a second treatment 5-7 days after the initial treatment may be advantageous. Some growers of Burley, Flue-Cured, and Dark tobacco may favor a dual treatment using TEN-TAC first (at the early button stage) followed 1-2 weeks later with a systemic sucker control agent (maleic hydrazide) used in accordance with manufacturer's instruction. If this dual treatment is used on Burley or Flue-Cured tobacco, an application rate of 1.5 gallons of TEN-TAC in 48.5 gallons of water is adequate. If this dual treatment is used on Dark tobacco, TEN-TAC should be used at the rate of

7-8 ounces per gallon of water to apply by hand sprayer.

#### Limitations, Restrictions, and Exceptions

When applied by hand, 1 gallon of diluted TEN-TAC will treat approximately 130 - 190 plants. If a power sprayer is used, 40-60 gallons of diluted product should be applied per acre of tobacco.

#### Method

[Spray](#)

#### Rates

[field\\_rates 0](#)

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#### Restricted Entry Interval

24 hours

#### Timings

[N. A.](#)