



# SUCKER AGENT 504

TOBACCO SUCKER CONTROL AGENT

**ACTIVE INGREDIENT:**

n-Decanol (Fatty alcohol C<sub>10</sub>-100%)\* . . . . .79%

INERT INGREDIENT . . . . .21%

\*Weight of Active Ingredient is 5.72 pounds per gallon.

## WARNING KEEP OUT OF THE REACH OF CHILDREN

See left panel for additional warning

Shake well before using

READ ENTIRE LABEL  
BEFORE USING THIS PRODUCT

Manufactured for  
**DREXEL CHEMICAL COMPANY**  
MEMPHIS, TENNESSEE 38131

**WARNING:** Keep out of the reach of children. In case of eye contact, flush immediately with plenty of water. Avoid inhalation of spray mist.

Do not contribute water by cleaning of equipment or disposal of wastes.

Read entire label before using this product.

**NOTICE:** Use of this material in a manner, or any time other than in accordance with the directions may produce plant injury, inadequate sucker control or other undesirable results.

**CONTAINER DISPOSAL:** Do not reuse empty container. Wash thoroughly with water and detergent, crush if possible, and discard in a safe place.

**GENERAL INFORMATION:** SUCKER AGENT 504 is a carefully balanced combination of active ingredients and wetting agents (surfactants) to be used for the control of sucker growth on all types of 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 suckers; therefore, the material is applied so that maximum contact is made with the suckers. SUCKER AGENT 504 can be used alone, or can be followed by a systematic sucker control agent in a dual treatment program.

**DIRECTIONS FOR USE:**

**Time of Application:** Top tobacco plants at the late button to early flower stage and remove any suckers which have grown over one inch. Because SUCKER AGENT 504 is a contact-type agent, it is necessary to straighten any plants that are leaning so that the emulsion flows down the stalk evenly and contacts each sucker.

The tobacco plants should be sprayed within two days after topping and removal of suckers. SUCKER AGENT 504 can 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 application of SUCKER AGENT 504 under bright sunlight at temperatures above 90° F. Injury may also result if SUCKER AGENT 504 is applied to the underside of the tobacco leaf; thus, application in winds high enough to turn over 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 being washed off by a rain, reapplication should not be necessary.

**Number of Applications:** In many cases a single application of SUCKER AGENT 504 is satisfactory to control both primary and

secondary suckers. If secondary sucker growth appears vigorous, a second treatment 5 to 7 days after the initial treatment may be advantageous.

Excellent leaf quality can be obtained with the use of SUCKER AGENT 504 alone in one or, where necessary, two applications. Some growers favor a dual treatment using SUCKER AGENT 504 first (at the late button stage) followed 1 to 2 weeks later with a systematic sucker control agent (maleic hydrazide) used in accordance with manufacturer's instructions.

**Rate of Application for Flue-cured Tobacco:** SUCKER AGENT 504 should be diluted at the rate of 3% ounces per gallon of water, or 1 1/2 gallons in 50 gallons of water per acre.

**Rate of Application for Burley, Maryland and Cigar Tobacco:** SUCKER AGENT 504 should be diluted at the rate of 5 ounces per gallon of water, or 2 gallons in 50 gallons of water. When using SUCKER AGENT 504 on dark tobacco, 7 to 8 ounces per gallon of water should be used.

When applied by hand, 1 gallon of diluted SUCKER AGENT 504 will treat 130 to 190 plants. If a power sprayer is used, 40 to 60 gallons of diluted product should be applied per acre of tobacco.

**Method of Application:** The diluted emulsion is most easily prepared by adding the required amount of SUCKER AGENT 504 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 SUCKER AGENT 504 rather than the SUCKER AGENT 504 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 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 20 pounds 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 SUCKER AGENT 504 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 20-25 lbs., and should never exceed 30 lbs. By using the recommended spray tips, spraying at 20 to 25 lbs. pressure, and operating at a tractor speed of 2 1/2 to 3 mph., you will apply approximately 50 gallons of diluted emulsion per acre of tobacco.

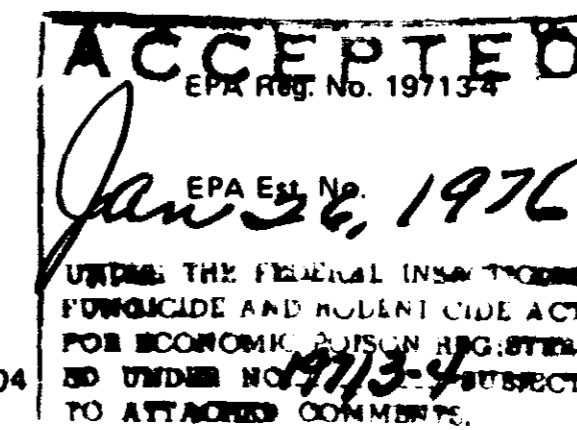
**CAUTION:** If allowed to stand for extended periods of time, the diluted emulsion may separate. Always remember to mix well immediately before using.

In order to minimize the possibility of injury to the tobacco plants, do not mix SUCKER AGENT 504 with other chemicals such as insecticides or herbicides or apply SUCKER AGENT 504 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 SUCKER AGENT 504 until these conditions pass.

**WARRANTY AND LIMITATION OF DAMAGES:**

Drexel Chemical Company warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use and Conditions of Sale, subject to the inherent risks referred to therein. Drexel Chemical Company makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Drexel Chemical Company is authorized to do so except in writing, with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential commercial damages such as loss or profits or value, etc.



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