

BURLEY, DARK, FLUE-CURED, MARYLAND AND CIGAR TOBACCO

General Information

PRODUCT INFORMATION

LEVEN-38 is a contact and systemic sucker control agent whereby one application will control small suckers on contact within one hour after application and works systemically in the Tobacco plant to control cell division and the formation of new suckers. This product is formulated exclusively for the control of Tobacco suckers and sucker buds. This product can be applied by conventional spray equipment. Use a coarse spray wetting the upper one-half of the Tobacco plant allowing the solution to run down the stalk of each plant. Use 20 to 35 pounds of pressure. Plants that are leaning must be straightened in order that the solution flows down the stalk evenly contacting each sucker and sucker bud.

APPLICATION RESTRICTIONS

- Do not make more than one application per season.
- Do not use on Tobacco plants grown for seed production.
- Allow at least 3 weeks after application of this product before harvest of Tobacco.

METHODS OF APPLICATION

Hand Application

This product may also be applied with hand-held equipment or backpack sprayer. Apply a coarse spray directed downward at the top of the stalk from 6 to 8 inches above the top leaves. Low tank pressure is required, and in no case should more than 20 pounds per square inch (psi) be used.

Powered Spray Equipment

Broadcast Application: When applying as a broadcast spray or straight boom application, use one nozzle directed over the center of the row and one nozzle directed over the center of the row-middle (TG-3, TG-5 full cone tips or equivalent) spraying one or more rows at a time, wetting upper one-third or one-half of each

plant. Maintain a coarse spray using 25 to 35 psi boom pressure. By using TG-3 spray tips, spraying at 25 to 35 psi pressure and operating at a speed of 1.5 to 3 mph, apply in a minimum of 50 gallons of diluted emulsion per acre of Tobacco. By using TG-5 spray tips, spraying at 25 to 35 psi pressure and operating at a speed of 3 to 5 mph, apply in approximately 50 to 60 gallons of diluted emulsion per acre of Tobacco. Apply the diluted product to Tobacco as a coarse spray from a height of 12 to 16 inches above the top of the stalk.

Directed Application (3 Nozzles): When applying as a directed spray, use three nozzles per row (TG-3, TG-5 full cone tips or equivalent) spraying one or more rows at a time, wetting upper one-third or one-half of each plant. Direct one TG-5 nozzle downward over the center of the row and TG-3 nozzles (9 inches on each side) directed at or slightly above the top of the stalk. Keep boom pressure at 20 to 25 psi and never to exceed 30 psi. By using TG-3, TG-5 spray tips, spraying at 20 to 25 psi pressure and operating at a speed of 2.5 to 3 mph, apply a minimum of 50 gallons of diluted emulsion per acre of Tobacco. Apply the diluted product to Tobacco as a coarse spray from a height of 12 to 16 inches above the top of the stalk.

Use Precautions

If allowed to stand for extended periods of time, the diluted emulsion may separate. Always remember to mix well immediately before using and maintain agitation during application. Equip all sprayers with a pressure regulator and a pressure gauge.

USE PRECAUTION

Do not use contact fatty alcohols, Maleic hydrazide or any products unless they are EPA registered and labeled for Tobacco sucker control.

Make sure the content of this product is well-mixed and shaken before measuring.

NOTES:

1. Mix well prior to use and, if allowed to stand during the use, mix again before applying since the diluted emulsion may separate on standing.

2. Do not apply on Burley tobacco during peak temperatures or under conditions that favor the spread of hollow stalk or stem rot diseases.
3. Be sure that all spray equipment has been carefully cleaned prior to using. Do not contaminate water by cleaning of equipment or disposal of wastes.
4. Do not allow drift to nearby crops.
5. Usage according to outlined directions has resulted in excellent sucker control. Application not in compliance with directions may lead to crop injury or insufficient sucker control.
6. Closely hand-suckered or Tobacco treated with this product will not ripen as rapidly as poorly suckered Tobacco. Also, under some conditions, tips treated with this product have a tendency to turn yellow prematurely. This is not harmful and does not mean that your Tobacco is ripe. Therefore, do not harvest Tobacco treated with this product by using time and color of the leaves as your only guide to ripeness. Use other characteristics indicative of ripeness such as (a) fading of color from midrib and (b) change in apparent leaf texture.

Limitations, Restrictions, and Exceptions

APPLICATION INSTRUCTIONS

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Top Tobacco plants to be treated at 10 to 25% flower stage (one or more tubers per seed head), remove all suckers one-half inch or greater in length. Spray the plants promptly within 24 hours following topping. Mix 3 gallons of this product in sufficient water totaling a minimum of 50 gallons water. In order to obtain best results, it is important that the product always be added to water. Spray this product emulsion uniformly within 24 hours after topping using a minimum of 50 gallons spray solution.

Apply this product during morning hours immediately after morning dew dries and throughout the day but avoiding late afternoon or night applications. Avoid spraying during heat stress or bright noon day sun with temperatures exceeding 90°F because injury to top tender leaves may result.

Do not apply this product when wind velocity is high enough to turn or tip top leaves because injury may result from the application to the underside of the Tobacco leaf. Do not apply during rain or when leaves are wet from rainfall, dew or irrigation. The contact agent in the formulation is effective within one hour following application; however, the systemic agent in the formulation requires a minimum of 6 hours for maximum absorption and effectiveness throughout the entire plant. Rainfall in less than that period of time may reduce effectiveness. If applied during drought, the contact portion of the formulation continues to function normally, however the systemic sucker control action may be reduced due to diminished absorption capabilities under drought conditions.

Make sure the contents of this product are shaken well before using.

Method

[Directed Spray](#)

[Coarse spray](#)

Restricted Entry Interval

24 hours

Timings

[During morning hours immediately after morning dew dries and throughout the day but avoiding late afternoon or night.](#)