

# **TOBACCO (FLUE-CURED ONLY) - DIRECTED SPRAY APPLICATION**

## General Information

### USE PRECAUTIONS:

- Do not apply the product through any type of irrigation system.
- Do not allow spray to drift to nearby crops as the product will affect plant growth resulting in injury or reduced yields.
- Do not prepare more spray solution than can be used in one day. Clean out the spray tank after use and do not allow the spray solution to remain in the sprayer overnight.

### PRODUCT INFORMATION

The product is a plant growth regulator which penetrates plant tissues and degrades to ethylene which affects the growth process of the plant. The product can be applied as foliar applications to cotton to accelerate boll opening and improve defoliation. These features permit harvest to occur sooner and more efficiently, and may increase yields compared to untreated cotton fields. When the product is applied as foliar sprays to mature tobacco (fluecured), the leaves uniformly turn yellow. This feature provides flexibility in scheduling harvest and also reduces curing time.

### Limitations, Restrictions, and Exceptions

### TOBACCO (FLUE-CURED ONLY)

### RESTRICTIONS:

- Do not apply the product if rain is expected within 6 hours as product performance may be reduced. If a major storm is expected, delay application of the product.
- Use only the recommended additives with VELOUR Plant Growth Regulator which are mentioned on the label.
- Do not plant another crop within 30 days after VELOUR Plant Growth Regulator

application.

## WHEN TO HARVEST TOBACCO

Within 24 to 72 hours after the VELOUR Plant Growth Regulator application, mature, sprayed leaves will begin to turn yellow, but the exact timing is dependent on the weather so that under cooler temperatures, yellowing will be delayed while under warm, sunny conditions, yellowing occurs faster. Monitor weather conditions and intensity of tobacco leaves color to determine timing of harvest. Usually within 48 hours after the VELOUR Plant Growth Regulator application, the leaves have reached the desired color intensity and can be harvested. To avoid reduced yields and quality, harvest the tobacco before it over-ripens in the field after a VELOUR Plant Growth Regulator application.

## APPLICATION TIMING

For best results, apply the product to mature leaves. Treatment of immature leaves can lead to leaves that are not acceptable in color, quality or dryness. The correct timing for application can be tested by spraying a few plants in several different locations of the field. If the leaves begin to yellow within 24 to 72 hours, the leaves are mature. If some treated leaves do not change color within 72 hours, do not apply the product until another test is carried out to determine if the leaves are mature. To prepare a test spray solution, add 1 tsp. of the product to 1 qt. water. Apply about 1 oz. of the test spray solution as a fine mist and thoroughly cover the leaves. Immature leaves won't change color. When the desired number of leaves per plant change in the test, the number of acres to treat in order to fill the barn can be calculated. Remove yellowed leaves before making a VELOUR Plant Growth Regulator application as this will help yields and prevent leaf drop. Typical growing conditions will require the lower rates specified in the table below. If the higher rates are used, only apply if temperatures are below 65°F on the day of application.

## CURING VELOUR Plant Growth Regulator -TREATED TOBACCO

A number of factors must be considered when curing treated tobacco. These factors include, but are not limited to tobacco condition, timing between application of the product and harvest, weather conditions, and type of curing. Best quality tobacco is obtained when the curing process is closely monitored during late leaf-coloring and early leaf-drying stages. Applications of the product to tobacco begins the coloring process before harvest, so the amount of time required in the coloring phase and

drying phase may be reduced. Harvested green leaves will need to be colored for a few hours. Harvested yellow leaves will require adjustment of temperature and ventilation so the tobacco dries as quickly as possible without scalding. At the point of 75% dried state, the leaves can be treated using normal procedures for curing. However, VELOUR Plant Growth Regulator-treated leaves cure faster, so cure treated and untreated leaves in separate barns.

#### Additional Instructions:

- Apply the product in a minimum spray volume of 50 gals./A. Apply the product with drop nozzles and TG or OC spray tips designed to apply 50 to 60 gals./A at 35 to 40 psi and at tractor speed of 2 to 3 mph. Best results are obtained when thorough sprays are directed to the leaves to be ripened. Adjust the sprayer so that there are 2 nozzles per row placed low enough to direct the spray to the leaves. For this type of application, harvest when 20% or more of the leaves have yellowed.

#### Method

[Directed](#)

#### Rates

[field rates 0](#)

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#### Restricted Entry Interval

48 hours

The REI is 72 hours in areas where average rainfall is less than 25 inches per year.

#### Timings

[Apply to mature leaves.](#)