

# **DARK TOBACCO - HAND SPRAYERS**

## General Information

### FOR USE ON TOBACCO

#### GENERAL

ROYALTAC-M is a contact sucker control agent for flue-cured, burley and dark tobacco. Direct contact of ROYALTAC-M with the suckers is essential for effective control. The spray should wet the sides of the tobacco stalk and contact all leaf axils and small immature suckers.

See APPLICATION NOTES for additional important information.

#### APPLICATION EQUIPMENT

When applied with power spray equipment, use three nozzles per row. One nozzle should be directed downward over the center of the row and the others should be about 9 inches on either side, directed at or slightly above the top of the stalk. The diluted ROYALTAC-M should be applied as a coarse spray from a height of 12 to 16 inches above the top leaves. For best results, the boom pressure should be kept at 20 to 25 pounds per square inch (psi) and should never exceed 30 psi. When a power sprayer is used, be sure the solution is thoroughly mixed before application begins, and maintain agitation during application.

If a hand-held or backpack sprayer is used, this product must be applied at a rate of 2/3 to one ounce of spray solution per plant (or enough to assure 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. Only low tank pressure is required, and in no case should more than 20 psi be used. Be sure the solution is thoroughly mixed before application begins, and maintain agitation during application.

All sprayers should be equipped with a pressure regulator and pressure gauge.

#### TIMING OF APPLICATION

ROYALTAC-M can be applied either before or after topping, preferably just after

buttons have elongated and before flowers start to open. At this stage, few suckers are large enough to require removal by hand.

Best results are usually obtained by application of ROYALTAC-M as directed, and then topping within a week.

If tobacco is topped first, apply ROYALTAC-M within two days after topping. Any suckers longer than one inch should be removed while topping.

## SEQUENTIAL TREATMENT PROGRAMS

### Air-Cured (burley) and Dark Tobacco

ROYALTAC-M application may be followed in 7 to 10 days by ROYAL MH-30 (or other maleic hydrazide systemic sucker control agent) at the labeled rate. If a systemic material is not used, a second ROYALTAC-M application may be made 5 to 7 days after the first ROYALTAC-M application.

## TANK MIX APPLICATIONS

Before using any tank mix combination, carefully read and follow the directions, precautions and restrictions found on each product label. The more restrictive of label limitations and precautions must be followed.

### Flue-Cured Tobacco

A tank mixture of ROYALTAC-M and ROYAL MH-30 (or other maleic hydrazide systemic sucker control agent) may be applied to flue-cured tobacco at the early flower growth stage. This tank mix usually follows application of a contact sucker control agent. The tobacco should be topped, and all suckers over one inch long removed, before treatment.

Mix 2.0 gallons of ROYALTAC-M with 1.5 gallon of ROYAL MH-30 (or other maleic hydrazide product at equivalent labeled rate) in 50 gallons of water for each acre to be treated. Maintain good agitation after mixing and while spraying.

The tank-mixture is applied with motorized field sprayers (high clearance or tractor-mounted) equipped with solid-cone nozzles that deliver a coarse spray over the row.

NOTE: Use only one application of this tank mix per season. Tobacco must not be harvested earlier than 7 days after application of this tank mix.

#### APPLICATION NOTES

1. Applying ROYALTAC-M at concentrations higher than recommended may cause leaf damage.
2. Inspect spray equipment to make sure it is clean prior to use of this product.
3. After adding ROYALTAC-M to the spray tank, start up and maintain good agitation of the diluted solution.
4. Do not mix ROYALTAC-M with other tobacco chemicals, except as specified in this label (see TANK MIX APPLICATIONS).
5. Do not apply this product to wet plants, such as immediately after heavy rain or when there is a heavy dew.
6. Do not apply this product on windy days, because the spray solution may not be deposited uniformly on the leaf axils and sucker buds.
7. Do not apply this product during the middle of the day in very hot weather, because leaf burn may result. Injury may also result if the product is sprayed on the underside of the tobacco leaf, such as when the wind is strong enough to turn over the top leaves.

#### Limitations, Restrictions, and Exceptions

##### Dark Tobacco

For hand sprayers, mix 6 to 8 fluid ounces of this product per gallon spray solution. When applied by hand, one gallon of diluted solution will treat 130 to 190 plants.

##### Method

[Hand spray](#)

##### Rates

[field\\_rates 0](#)

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##### Restricted Entry Interval

24 hours

Timings

Before or after topping, preferably just after buttons have elongated and before flowers start to open.