



## FOGGING & LOW-VOLUME APPLICATOR GUIDE



CAN BE USED IN ORGANIC PRODUCTION



Regalia® & Regalia® CG Biofungicides deliver better yield, improved harvest quality & top profit. Regalia Biofungicide's ISR & SAR modes of action (FRAC P5) increase crop performance by stimulating the plant's innate ability to fight diseases. The biofungicide offers preventative activity & early control of yield-robbing diseases such as powdery mildew, Alternaria fruit rot, bacterial spot & speck & *Botrytis*. Apply weekly for effective control & plant health benefits.

**ACTIVE INGREDIENT:** Extract of *Reynoutria sachalinensis*



Stargus® Biofungicide controls key diseases including white mold, downy mildew, *Botrytis* & more. Apply 2-4 times at 7-10 day intervals for extended efficacy throughout the season. Multiple modes of action (FRAC BM 02) make it a great resistance management tool.

**ACTIVE INGREDIENT:** *Bacillus amyloliquefaciens* strain F727



Venerate® XC & Venerate® CG Bioinsecticides feature multiple modes of action from metabolites produced during fermentation. They are effective against a wide variety of chewing & sucking insects & mites. Additionally, Venerate leaves no residue & when used in a rotation program, helps reduce insect resistance. Novel modes of action complement & improve integrated pest management (IPM) programs.

**ACTIVE INGREDIENT:** Heat-killed *Burkholderia rinojensis* strain A396



Jet-Ag® 5% Sanitizer is a broad spectrum peroxyacetic acid sanitizer that prevents, suppresses, eliminates, & controls algae, fungi, & bacterial diseases in agriculture & horticultural industries with 2X the oxidative power.

**ACTIVE INGREDIENT:** Hydrogen Peroxide 26.5%, Peroxyacetic Acid 4.9%



## GENERAL GUIDELINES FOR FOGGERS/LOW VOLUME APPLICATORS:

The following guidelines should be observed when using ultra low volume applicators & only apply to true cold fogging equipment:

- Ensure thorough coverage of plant surfaces, noting that droplets may not be visible.
- Initially calibrate equipment by making a test application to a limited area & ensure proper coverage before making applications on a wider basis. Thereafter, calibrate equipment on a routinely scheduled basis.
- Always adhere to equipment manufacturer instructions.
- Inspect equipment regularly for nozzle cleanliness & replace any worn nozzles to ensure proper droplet size/distribution.
- Avoid aiming nozzles directly at the crop; nozzle output should not directly contact plant tissue.

## LOW VOLUME APPLICATOR RATES FOR MBI PRODUCTS:

Coldfogger™ & AutoFog™

Material	Targeted Pests(s)	Rate per 3,000 ft <sup>2</sup>	Rate per 10,000 ft <sup>2</sup>	REI	MOA / FRAC / IRAC Codes	Notes
Regalia Biofungicide & Regalia CG Biofungicide	Bacterial & fungal diseases & plant health	10 fl. oz.	29.4 fl. oz.	4 hours	P5	1,2
Venerate XC Insecticide & Venerate Insecticide	Aphids, Mealybugs, Thrips, Whiteflies & Mites	5 fl. oz.	14.7 fl. oz.	4 hours	Gut Disruption	1,2
Stargus Bioinsecticide	Bacterial & fungal diseases	7.5 fl. oz.	22 fl. oz.	4 hours	BM 02	1,2
Jet-Ag 5%	Bacterial & fungal diseases	10.5–60 fl. oz.	35–200 fl. oz.	4 hours	Oxidation	5,6

## NOTES:

- 1) Rates for Venerate are based on a 64 fl. oz./A rate. Stargus rate is based on 96 fl. oz./A. Rates for Regalia are based on 128 fl. oz./A. Jet-Ag 5% rates are direct from the product label.
- 2) Regalia, Regalia CG, Venerate, Venerate CG, & Stargus are all approved & labeled for in-season application.
- 3) Rates are based on Dramm Autofogger manual rate calculator for converting the area rate (per acre in these examples).  
Example: Venerate per acre rate, 64 fl. oz. divided by 4.36 = 14.7 fl. oz. for 10,000 ft<sup>2</sup>.
- 4) 3,000 ft<sup>2</sup> rate is calculated as 10,000 ft<sup>2</sup> rate x 0.34.
- 5) For fruit & vegetable storage areas, fog Jet-Ag 5% for a minimum of 4 hours. Calculate the amount of peroxyacetic acid (PAA) needed to fog. Product is then mixed with water to assure a 4-hour application. Rates for applications to growing crops should be based on the labeled rates & the table herein.  
 $L \times W \times H = V/1000$ . This yields how many cu. ft. of room. Multiply this number times the desired fluid ounces of PAA.
- 6) Use any type of fogging equipment including: cold foggers, thermal foggers, low pressure air assisted & high pressure fog systems. Before fogging, cover any exposed electrical components with plastic covers.

## MIXING GUIDELINES:

- 1) Refer to the product labels to confirm listing of the crop & pest being treated.
- 2) All ProFarm products should be thoroughly mixed with water in a separate container until the solution is uniform.
- 3) Partially fill the applicator tank with water & ensure that the applicator is running.
- 4) Add the ProFarm product mixture to the applicator tank.
- 5) Add any carriers, adjuvants, or surfactants to the applicator tank.
- 6) Fill the remaining volume of the applicator tank with water.



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