



Use in Low Volume Applicators

CEASE[®]

Based on a naturally occurring, patented strain of *Bacillus subtilis* (strain QST 713), Cease[®] can be used both in hydraulic and low volume sprayers on greenhouse crops, indoor and outdoor container and field ornamental nursery stock, and vegetables grown under cover. It is a broad spectrum biofungicide and bactericide targeting common bacterial and fungal pathogens such as, *Pseudomonas*, *Xanthomonas*, and *Botrytis*, along with pathogens that cause powdery mildew, leaf blights, leaf speck, anthracnose and rust. Cease applications should begin prior to expected disease incidence. Use an application volume adequate to ensure complete coverage of the leaves and stems of the plants. Applications should be continued every 1-2 weeks during periods of disease pressure.

Key Features:

- Proven efficacy against BOTH fungal and bacterial pathogens
- Excellent safety: 4-hr REI; 0-day pre-harvest interval
- Leaves virtually NO residues on plant foliage or flowers
- Performs as well as copper-based products, without phytotoxicity or residues
- Does not produce phytotoxicity when used with growth regulators
- Controls disease using multi-site modes of action for resistance management
- Safe for beneficial insects and bees
- Compatible for tank-mixing/rotating with nearly all other registered products
- OMRI Listed and NOP-approved for use in organic production
- Excellent for sustainability or IPM programs

When using ultra low volume applicators (foggers), observe the following:

- Low volume sprayers have a high degree of efficiency in coverage of leaf and stem surfaces. Thoroughly cover the plant surfaces but note that spray deposition may not be visible after application.
- When using a low volume sprayer, first determine the proper application volume by spraying the material in a small area. Test the application on a few plants to assure proper coverage.
- Follow equipment manufacturer instructions carefully
- Properly calibrate equipment regularly.
- Ensure that nozzles are clean and not worn so that correct droplet size is applied. Smaller droplets are more desirable in a fogging situation.
- Ensure that all the material is well mixed so application will be uniform throughout.
- Use the maximum amount of water that a given machine allows to help ensure material is completely mixed with water.
- Consider using a carrier solution appropriate to the type of fogger equipment. This will improve atomization and cause fewer large droplets to fall out in front of the fogger providing more uniform coverage. For Dramm BIO PulsFOG[®] equipment it is suggested to use NutriFog[™] as a carrier for CEASE.



- With most LVM equipment, keep nozzle output from directly contacting the plants. Nozzles should not be aimed directly at crop.
- Unlike hydraulic or low volume mist spraying, there should be no visible evidence (leaf wetness) of the application on the plant foliage.

CEASE LOW VOLUME APPLICATOR RATES:
Coldfogger™, Auto-Fog™, TracFOG™, BIO PulsFOG®

Hydraulic Rate/100 gal (qt) ¹	Rate/10,000 sq ft (Dramm Low 20%) ²	Rate/10,000 sq ft (Dramm High 35%) ²	Min. amt of solution ³ Auto-Fog, TracFOG, BIO PulsFOG	Min. amt of solution Coldfogger
2	12.8 fl oz	22.4 fl oz	2 liters	10 liters
3	19.2 fl oz	33.6 fl oz	3 liters	10 liters
4	25.6 fl oz	44.8 fl oz	3.5 liters	10 liters
5	32 fl oz	56 fl oz	4.5 liters	10 liters
6	38.4 fl oz	67.2 fl oz	5 liters	10 liters
7	44.8 fl oz	78.4 fl oz	6 liters	10 liters
8	51.2 fl oz	89.6 fl oz	7 liters	10 liters

¹Hydraulic sprayer rate per acre

²More solution may be used. Solution includes carrier + water

³More solution may be used. Solution includes carrier + water. The Dramm owner’s manual states that you should never use less than 0.5 gallons of water in their foggers no matter how small an area is being fogged to ensure optimum performance of their machines. We do not recommend going below the amounts stated above. Please refer to Dramm User’s Manuals for complete equipment operating instructions.

NOTE:

Pre-mix the solution well in a separate to ensure full suspension of CEASE before adding to tank. Pour into partially filled tank with agitator running.

Refer to product labels for complete application details. Additional technical information is available on our website (bioworksinc.com) or from your BioWorks technical sales representative. CEASE® is a registered trademark of BioWorks, Inc. Coldfogger™, NutriFOG™, TracFOG™ and AutoFog™ are trademarks and Bio PulsFOG® is a registered trademark of the Dramm Corporation. Always read and follow label directions.