



BioWorks®
How You Grow Matters™



CEASE® & MilStop® Use in Low Volume Sprayers

CEASE® Microbial Fungicide/Bactericide, and MilStop® Broad Spectrum Foliar Fungicide work well together as a combination application giving an added boost in controlling diseases caused by *Botrytis*, *Erwinia*, *Xanthomonas*, and *Pseudomonas*, as well as fungal pathogens that cause powdery mildew and other foliar diseases on greenhouse crops and vegetables (CEASE is registered for vegetables grown under cover only). As a protectant, CEASE/MilStop 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.

When using low volume mist sprayers, use the following guidelines:

- Low volume sprayers have a high degree of efficiency in coverage of leaf and stem surfaces. DO NOT apply to the point of runoff to avoid waste of material dripping off the plant.
- 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.

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

- 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 less large droplets to fall out in front of the fogger providing more uniform coverage. For Dramm BIO PulsFOG® equipment either the VK-II or NutriFog carriers are compatible with CEASE.
- Keep nozzle output from directly contacting the plants. Nozzles should not be aimed directly at crop.

(See rates on next page.)



LOW VOLUME SPRAYER/FOGGER RATES: **Cold-Fogger, Auto-Fogger, BIO PulsFOG, & ESS**

Program	Rate/100 gal¹	Rate/10,000 sq ft	Minimum amt of solution²
Preventative			
CEASE	2 qt	12.8 fl oz	2 liters
Milstop	1.25 lb	4 oz	
Curative ³			
CEASE	6 qt	38.4 fl oz	4 liters
MilStop	3.0 lb	9.6 oz	

¹Hydraulic sprayer rate per acre

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

³Curative activity is primarily on powdery mildew

NOTE: Mix the solution well (a separate container may be helpful) to ensure solubility of the active ingredient. A carrier solution may be used if desired.

RECOMMENDATIONS:

The Dramm owner's manual states that you should never use less than 2 liters of water in their foggers no matter how small an area is being fogged to ensure optimum performance of their machines and insure plant safety.

NOTE: Use caution when making MilStop applications to open blooms, especially on varieties known to be sensitive. It is recommended that a small group of plants be tested for effects on open blooms before making applications to the whole crop.