



# BioWorks®

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## CEASE®

CEASE is an organic biofungicide that provides effective control of a wide array of both fungal and bacterial pathogens. CEASE is also an excellent tank-mix or rotational partner, compatible with most commonly used pesticides, nutrients and adjuvants.

**Active Ingredient:** *Bacillus subtilis* strain QST 713

### Benefits & Features

- Can be sprayed up to and on the day of harvest
- Liquid formulation, goes easily into suspension
- Leaves virtually no residue on plant foliage or flowers
- Performs as well as copper-based products, without phytotoxicity or visible residues
- Controls disease using multiple modes of action for effective resistance management
- Safe for beneficial insects and predatory mites
- Compatible for tank-mixing / rotating
- CEASE is an OMRI Listed product
- Excellent for sustainability and IPM programs

### SUSTAINABLE. SIMPLE. SUPPORT.

For 25 years, BioWorks has been helping our customers to develop effective and efficient programs using safer, sustainable products - backed by a personalized approach to support.

At BioWorks, we strive to simplify the use of biologicals with our ongoing commitment to information, education, and service.



### FOLIAR DISEASE CONTROL



CEASE is an effective alternative to synthetic chemicals for fungal pathogens such as *Botrytis* spp. and Powdery Mildews, and to coppers for minimizing bacterial diseases caused by *Pseudomonas* and *Xanthomonas* spp.

### SOIL DISEASE CONTROL



CEASE is a broad-spectrum biofungicide for the prevention, suppression and control of foliar and soil-borne diseases. CEASE enhances germination and plant growth by suppressing plant diseases.

### MULTIPLE MODES OF ACTION



Based on the naturally occurring *Bacillus subtilis* strain QST 713, CEASE contains a group of natural antifungal and antibacterial compounds.

**AN ORGANIC BIOFUNGICIDE (MICROBIAL FUNGICIDE AND BACTERICIDE) FOR FOLIAR AND SOIL DISEASE CONTROL**



**PRODUCT INFORMATION**

- *Bacillus subtilis* strain QST 713
- Available Sizes: 1 gal & 2.5 gal
- Registered for use in the USA

**REI & PHI**

- 4-hour REI, 0-day PHI



Can be applied in greenhouse, ornamental field, interiorscape, residential and commercial landscape, and shade house environments on a wide array of ornamentals, container grown trees, shrubs and cover grown vegetables.

EPA registered: Reg. No. 264-1155-68539

Est. No. 264-MEX-001

MPS Code: 3473/White

**SHELF LIFE**

Below 32 °F (0 °C): Do NOT freeze

Refrigeration 40 °F (4 °C): Not needed

70 - 75 °F (21 °C - 24 °C): 3 years

Above 75 °F (24 °C): Store cool



**APPLICATION NOTES**

**RECOMMENDATIONS**

- CEASE should be used preventively when conditions favor disease development, but before the onset of symptoms
- May be used at the first sign of symptoms
- The use of a spreader/sticker or wetting agent is recommended to improve canopy penetration and coverage
- CEASE can be applied as often as every 3-days
- It is recommended to spray at 7-day intervals for prevention
- Can be used immediately before or after B-Nine application without phytotoxicity concerns that are common with coppers



**APPLICATION RATES**

**RANGE**

- 2 - 8 qt per 100 gal
- The most common rate is 4 qt/100 gal
- Rates will vary depending on disease pressure
- Maintain a spray solution pH between 4.5 and 8.5
- May be used with pH-lowering materials without causing injury to plants

**TECHNICAL SUPPORT**

If you are a commercial grower with questions or if you want to discuss a particular issue, contact us.

Our team is ready to discuss your crop-specific issues or any questions you have about our products. We will provide you with rapid, comprehensive and personalized support.

**(800) 877-9443 or [expert@bioworksinc.com](mailto:expert@bioworksinc.com)**

**WORKS WELL WITH MILSTOP®**

CEASE is an excellent tank-mix partner with MilStop. Together these products have shown to provide an added boost in controlling pathogens.

CEASE is also compatible with a wide range of pesticides, fertilizers and adjuvants.

See the [compatibility-chart.pdf](#) at [bioworksinc.com](http://bioworksinc.com).