

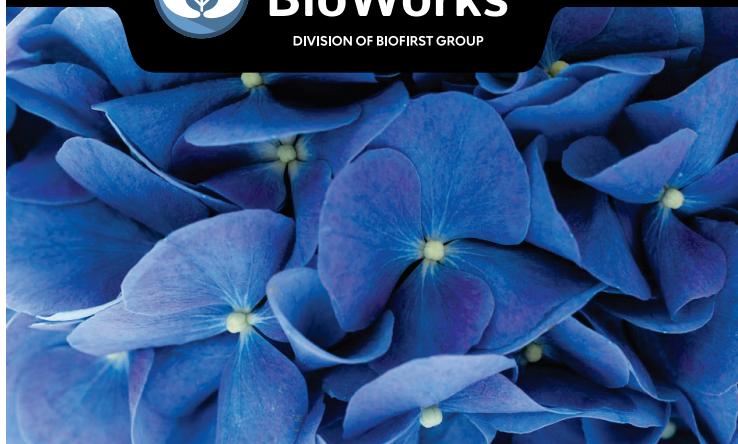


BioWorks®

DIVISION OF BIOFIRST GROUP



ABOVE AND BEYOND IS WHERE WE BEGIN



SANDRINE™ COPPER SOAP

Sandrine Copper Soap offers effective protection against numerous labeled fungal and bacterial diseases. This fungicide blends soluble copper with fatty acids to create a true soap formulation, allowing for improved leaf surface coverage while using a lower amount of copper.

The copper soap in Sandrine has multiple modes of action. The fatty acid (soap) portion of the molecule acts as a spreader on the plant leaf surface, and also disrupts cell membranes allowing the copper to readily enter the pathogenic cells. The absorbed copper then interferes with the enzyme systems of fungal and bacterial pathogens. Growers are advised to check product compatibility and follow all label directions before use.

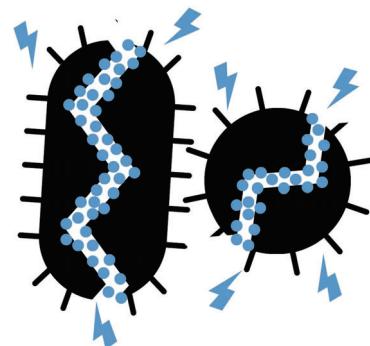
When applied properly, Sandrine helps protect crops from various diseases such as Brown Rot, Fire Blight, Leaf and Fruit Spots, Powdery Mildew, and Scab.

ACTIVE INGREDIENTS

Copper Octanoate (Copper Soap)

FEATURES AND BENEFITS

- + Leaves surfaces of plants clean with no visible residue compared to traditional copper soaps
- + Gentle enough to be used on crops sensitive to copper
- + Low phytotoxicity risks
- + Liquid copper formulation allows for easy tank mixing with a wide range of products
- + Safe for in-season applications
- + Shortest REI among fungicides (4 hrs. vs. up to 48 hrs.)



SANDRINE COMBINES SOLUBLE COPPER WITH FATTY ACIDS
TO CREATE A SOAP FORMULATION THAT COATS PLANT
SURFACES EVENLY AND DISRUPTS PATHOGEN CELL WALLS

WHERE TO USE

For use in greenhouse, nursery, landscape, interiorscape, shade house; on ornamentals, trees, shrubs, potted and cut flowers, annuals, perennials, foliage, seedlings, conifers, and fruits and vegetables grown in greenhouse/nursery.



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PRODUCT INFORMATION

- + Available Size: 1 gallon
- + Registered for use in the USA
- + EPA Reg. No. 67702-11-70051

REI & PHI

- + 4-hour REI, 0-day PHI

SHELF LIFE

- + Up to five years under proper storage conditions - in a cool, dry area
- + To maximize shelf-life and effectiveness, follow these instructions:
 - + Sandrine should not be exposed to extreme heat, cold or freezing temperatures
 - + Do not store product below 39F
 - + After each use, ensure packaging is sealed properly

APPLICATION NOTES

- + Thorough coverage is key to controlling disease
- + Begin treatment at the first signs of disease and continue applications every 7 to 10 days as needed
- + For optimal control, initiate treatment before disease onset or when extended wet weather is forecasted
- + Schedule applications to ensure dry weather follows each treatment

APPLICATION RATES

- + 2-4 qts/acre. Use the higher end of the rate range after heavy rainfall or when disease pressure is high or increasing quickly. See label for complete information on application rates.

GOING ABOVE AND BEYOND

At BioWorks, we not only help eradicate harmful diseases and pests that threaten your crops, but we design and support integrated plant health management programs. And because we know how quickly some diseases can work, we respond to any questions you might have in just 48 hours. So you can get back to the business of successful growing.



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BIOWORKS

100 Rawson Road • Suite 205

Victor, NY 14564

expert@bioworksinc.com

bioworksinc.com • 800.877.9443