

# OSO<sup>®</sup> 5% SC

FUNGICIDE

## STRIKE OUT FUNGAL DISEASES WITH THE POWER OF OSO<sup>®</sup> 5% SC FUNGICIDE

Preventative or curative treatment of fungal diseases, including Botrytis, Alternaria, anthracnose, powdery mildew, and leaf and fruit rots in fruit and vegetable crops.



## PRODUCT HIGHLIGHTS

With a novel mode of action, polyoxin D zinc salt is the only active ingredient in the FRAC group 19, making it an ideal choice for resistance management

Can be used as a standalone or easily integrated into existing IPM programs

Comes in an easy-to-apply suspension concentrate (SC) liquid formulation, and is labeled for ground, aerial, and chemigation

OSO<sup>®</sup> 5% SC is approved for use in organic production (OMRI-Listed<sup>®</sup> WSDA-Listed<sup>®</sup>, and NOP-Compliant) and has efficacy comparable to many conventional products

A residue-exempt material with a 4hr REI and a 0 day PHI



Always carefully read and follow label instructions.



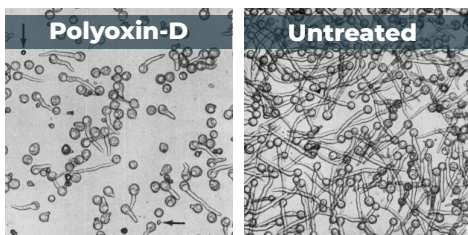
1.800.250.5024 [www.CertisBio.com](http://www.CertisBio.com)

## HOW IT WORKS

The active ingredient of OSO® 5% SC is polyoxin D zinc salt derived from a natural fermentation process. Polyoxin D zinc salt is a chitin synthase inhibitor that controls plant pathogenic fungi by inhibiting the formation of chitin, a vital component of fungal cell walls. When the pathogen comes in contact with OSO, early growth or colonization is stopped and cannot spread to new plant tissue.

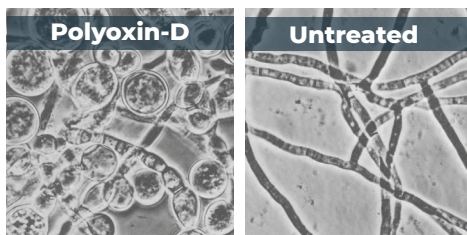
### ONLY ACTIVE INGREDIENT IN FRAC GROUP 19

#### EFFECTS OF POLYOXIN-D ON FUNGAL SPORE GERMINATION



Source: Endo et al. (1970). J. Bacteriol. 104: 189-196

#### EFFECTS OF POLYOXIN-D ON CELL WALL INTEGRITY



Source: Bartnicki-Garcia & Lippman (1972). J. General Microbiol. 71: 301-309

## HOW TO APPLY

- Shake well before use, fill tank with water to ½ of the intended final volume.
- Start agitation of the spray tank, then add the appropriate amount of product to the tank according to the rates in the label.
- Agitate to ensure thorough mixing while adding the remaining required water.
- Do not allow the mixture to stand without agitation.
- Mix only the amount of solution needed to treat the desired area.

### TANK MIXING

When tank mixing OSO 5% SC with other products, observe all precautions and limitations on each separate product label. When planning to mix this product with others, it is advisable to conduct a "jar test" to determine the physical compatibility of this product with the others.

### TIMING

See product label for application timing based on crops and diseases.

### RECOMMENDED RATES

6.5 – 13oz/acre - Use the 6.5oz/acre for preventative applications when disease is expected but not visible, in periods of low disease pressure, or in a tank mix with other fungicides for resistance management. A higher rate should be used when disease pressure is high or in stand-alone applications.

### USE WITH OTHER TREATMENTS

If more applications or shorter intervals than indicated on the label are needed to maintain disease control, alternate OSO with other fungicides having different modes of action to prevent or slow development of pathogen resistance.

### Storage

Store in dry place away from food or feed.

### PHI/REI

4 hour REI; 0 day PHI



## ACTIVE INGREDIENT

*Polyoxin D zinc salt 5.0%*

Please see label for complete list of labeled crops and diseases

## DISEASES CONTROLLED

### Cucurbits:

Anthracnose	Powdery Mildew
Early Blight	Scab
Gray Mold	Target Leaf Spot
Gummy Stem Blight	

### Pome and Stone Fruits:

Alternaria leaf spot	Scab
Leaf Blotch	Botrytis
Powdery Mildew	Blossom Blight

### Potatoes:

Black Scurf	White Mold
Early and Late Blight	

### Citrus:

Alternaria Brown Spot	Septoria Spot
Botrytis Rot	

### Grapes

Alternaria Leaf Spot	Powdery Mildew
Anthracnose	Yellow Rust
Gray Mold	

### MAIN CROPS

Root and Tubers	Citrus Fruits
Vegetables	Pome Fruits
Bulb Vegetables	Stone Fruits
Brassica (Cole) Leafy Vegetables	Berries and Small Fruits
Legumes	Herbs and Spices
Fruiting Vegetables	
Cucurbits	

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