

THYMOX CONTROL®

FUNGICIDE AND BACTERICIDE CONCENTRATE

PRODUCT DESCRIPTION

Thymox Control is an innovative powerful botanical pesticide with broad-spectrum efficacy, including on antibiotic-resistant pathogens.

Built on 10 years of science and experience, our patented nano emulsion technology delivers the highly efficient and stabilized antimicrobial power of thyme oil to kill plant pathogens on contact.

PACKAGING

Available in :
1 gallon, 2,5 gallons
55 gallons and 275 gallons



BOTANICAL OIL BASED

- 27% Thyme Oil in the concentrate
- FIFRA 25(b) Exempt biopesticide



FOLIAR SPRAY

- Standard spray equipment: High volume sprayers, booms, and air assist equipment



BROAD SPECTRUM EFFICACY

- Kills pathogens on contact
- Targets common fungal and bacterial diseases: Powdery mildew, Grey mold (*Botrytis cinerea*) Fireblight (*Erwinia amylovora*)



BROAD COMMERCIAL APPLICATION

- Indoor / outdoor
- Greenhouse, nursery
- Fruit and vegetable crops
- Orchard, tree fruit, vineyard
- Hop, hemp

PRODUCT KEY FEATURES



Instantly mixes
with water



Unlikely to develop
resistance (Frac 46)

PHI
0 DAY

Worker
safety

0:00
REI

Convenient
to use



No
MRL



Minimal
PPE

ACTIVE INGREDIENT

Thyme oil 27%

Guaranteed analysis is based on Thyme Oil constituent's analysis performed in 3rd-party laboratory (thymol and carvacrol)

PHYSICAL DESCRIPTION

Appearance: Transparent liquid

Color: Light brownish

Odor: Thyme smell

PHYSICAL PROPERTIES

Solubility: Completely water soluble, stable into solution

Shelf Life: 1 year

pH (manufactured product): 8-10

Viscosity: 21.5 cST @ 40° C

Flammability: Flammable (concentrate)

Relative density: 1.062

Flash point (TCC, ° F): 104 ° F closed cup

STATE REGISTRATIONS APPROVED FOR SALE IN:

Arizona, Alaska, California, Colorado, Delaware, Florida, Georgia, Hawaii, Idaho, Illinois, Iowa, Kansas, Kentucky, Massachusetts, Michigan, Minnesota, Missouri, New Jersey, New Hampshire, New York, Nevada, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, Tennessee, Texas, Vermont, Virginia, Washington, West Virginia, Wisconsin.

THYMOX CONTROL®



DIRECTION FOR USE

THYMOX CONTROL can be used on fruits and vegetables crops, ornamentals and any other garden plants for both indoor and outdoor applications, including greenhouses.

MIXING

Dilute 1 part of THYMOX CONTROL concentrate in 200 to 400 parts of water (0.25% to 0.5% v/v). Do not apply this product undiluted. Use immediately after dilution, do not store diluted product.

Airblast or boom spray recommended application methods. Usage is foliar spray @ 0.25% to 0.5% dilution rate.

APPLICATION

- 32 to 64 fl. oz. / 100 gallons of water
- Typical volume per one acre: 100 gallon
- For an accurate control, ensure a uniform, complete coverage of the plant surfaces until run off
- No additional surfactant required

MOST COMMON DISEASES BERRIES & VEGGIES

PATHOGENS	SYMPTOMS	FUNGUS	BACTERIA
<i>Botrytis cinerea</i>	Grey Mold or Fruit Rot	✓	
<i>Erysiphe sp., Podosphaera sp.</i>	Powdery Mildew	✓	
<i>Erwinia amylovora</i>	Fire Blight		
<i>Xanthomonas campestris</i>	Black rot		✓
<i>Colletotrichum coccoides</i>	Anthraxnose	✓	✓

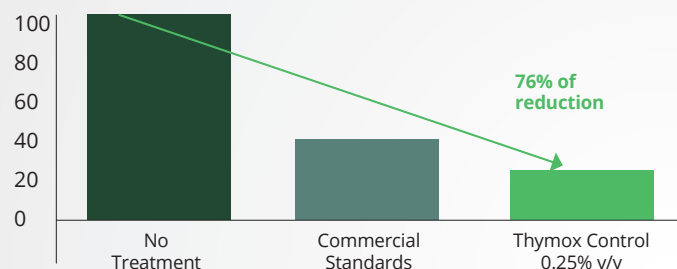
- For best results, repeat every 7-14 days, or as necessary to maintain desired level of control
- Apply at any time during growing season when conditions (humidity, temperature etc.) promote microbial growth
- For preventative control, apply prior to symptom development and pathogen reproduction.

40-day controlled greenhouse trial



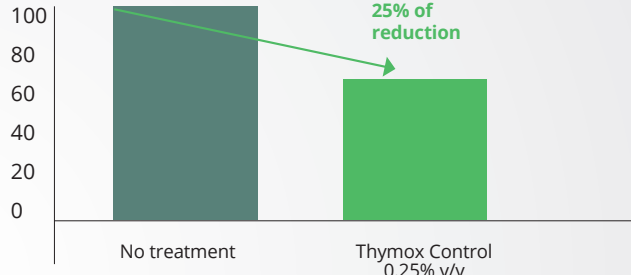
2021 TRIAL: THYMOX CONTROL ON TOMATOES AGAINST POWDERY MILDEW

% Powdery Mildew (symptoms)



2021 TRIAL: THYMOX CONTROL ON CUCUMBERS AGAINST POWDERY MILDEW

% Powdery Mildew (symptoms)



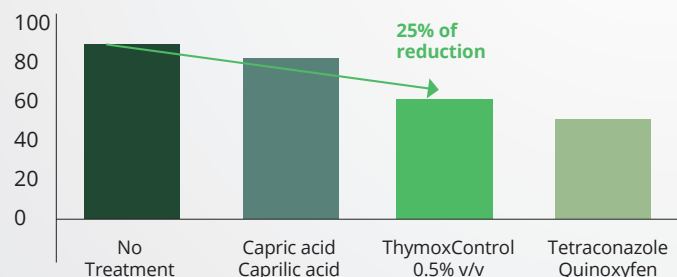
30-day controlled greenhouse trial



2020 TRIAL: THYMOX CONTROL ON STRAWBERRIES AGAINST POWDERY MILDEW

THYMOX CONTROL helps protect strawberry plants against fungal disease by preventing damages.

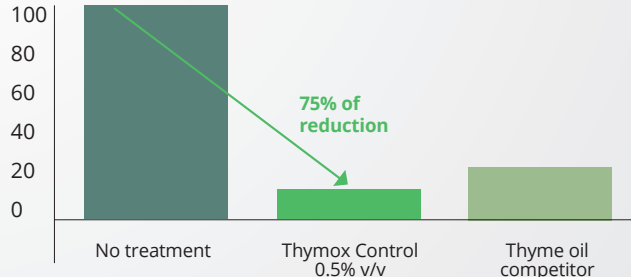
% Powdery Mildew (symptoms)



2020 TRIAL: THYMOX CONTROL ON TOMATOES AGAINST BOTRYTIS

At 0,5% dilution, we observe a reduction of 75% of the Grey Mold symptoms on tomatoes.

% Botrytis (symptoms)



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MIXING

Dilute 1 part of THYMOX CONTROL concentrate in 200 parts of water (0.5%). Do not apply this product undiluted. Use immediately after dilution, do not store diluted product.

Airblast or boom spray recommended application methods.

Usage is foliar spray @ 0.5% dilution.

APPLICATION

- 64 fl. oz. / 100 gallons of water
- Typical volume per one acre: 100 gallon
- For an accurate control, ensure a uniform, complete coverage of the plant surfaces until runoff.

MOST COMMON DISEASES HOP & HEMP

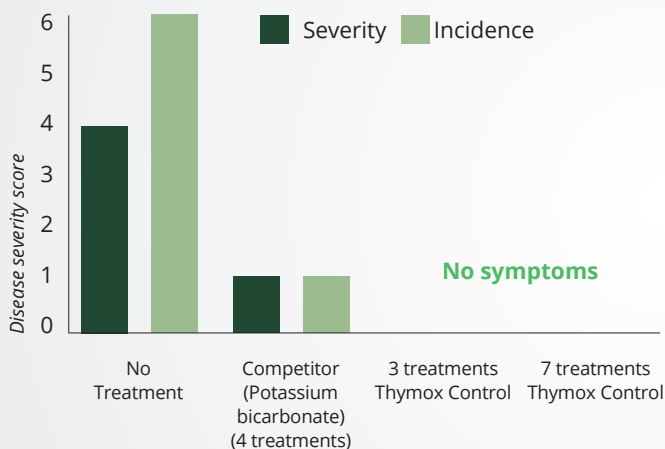
PATHOGENS	SYMPTOMS	FUNGUS	BACTERIA
<i>Botrytis cinerea</i>	Grey Mold or Fruit Rot	✓	
<i>Erysiphe sp., Podosphorea sp.</i>	Powdery Mildew	✓	
<i>Erwinia amylovora</i>	Fire Blight		✓
<i>Pseudoperonospora humuli</i>	Downy Mildew	✓	
<i>Alternaria alternata</i>	Anthrachnose	✓	
<i>Candidatus Phytoplasma trifolii</i>	Witches' Broom		✓

- For best results, repeat every 5-7 days, or as necessary to maintain desired level of control
- Apply at any time during growing season when conditions (humidity, temperature etc.) promote microbial growth
- For preventative control, apply prior to symptom development and pathogen reproduction.



2020 TRIAL: FOLIAR APPLICATIONS OF THYMOX CONTROL ON HEMP AGAINST GREY MOLD

Botrytis spp.

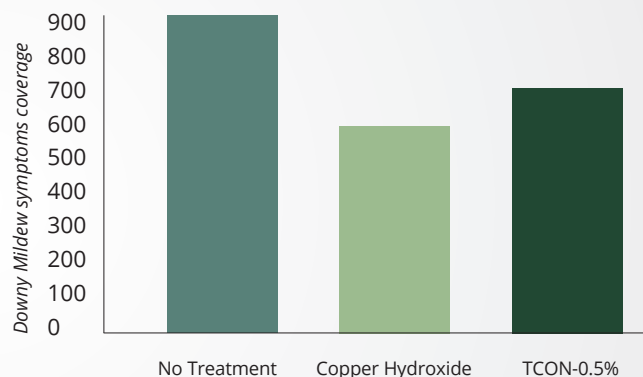


THYMOX CONTROL® application allowed complete control of Powdery Mildew symptoms on Hemp (30 day trial).



2020 TRIAL: THYMOX CONTROL ON HOP AGAINST DOWNY MILDEW

Pseudoperonospora humuli



At 0,5% dilution, we observed a reduction of 23% of the Downy Mildew symptoms on hop.