



**HYDRO  
WORXX™**

**GROW WITH PASSION**



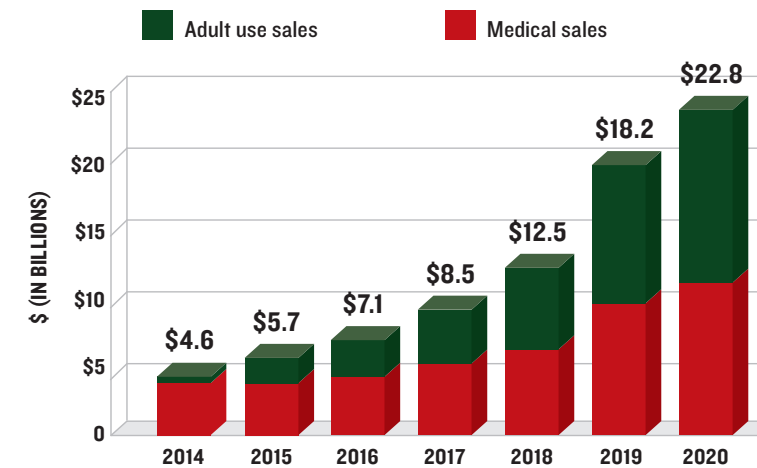


**“I need effective pest control that doesn’t burn my plants.”**

**HydroWorxx™ is a line of plant protection products specifically designed for passionate growers of high value specialty crops.**

**HYDROWORXX PRODUCTS ARE OMRI LISTED** and contain active ingredients with proven efficacy. For passionate growers who need to keep their plants pest-free, HydroWorxx provides plant protection against a large variety of pests and diseases in organic production systems. Our products are fast and effective, contain no essential oils, and are available as concentrates or ready to use for a variety of growers.

### Projected growth, legal medical and adult use marijuana



By 2020, legal market sales are expected to surpass \$22 billion, with adult use sales comprising about 53% of the total legal market.\*

\*The State of Legal Marijuana Markets 4th Edition

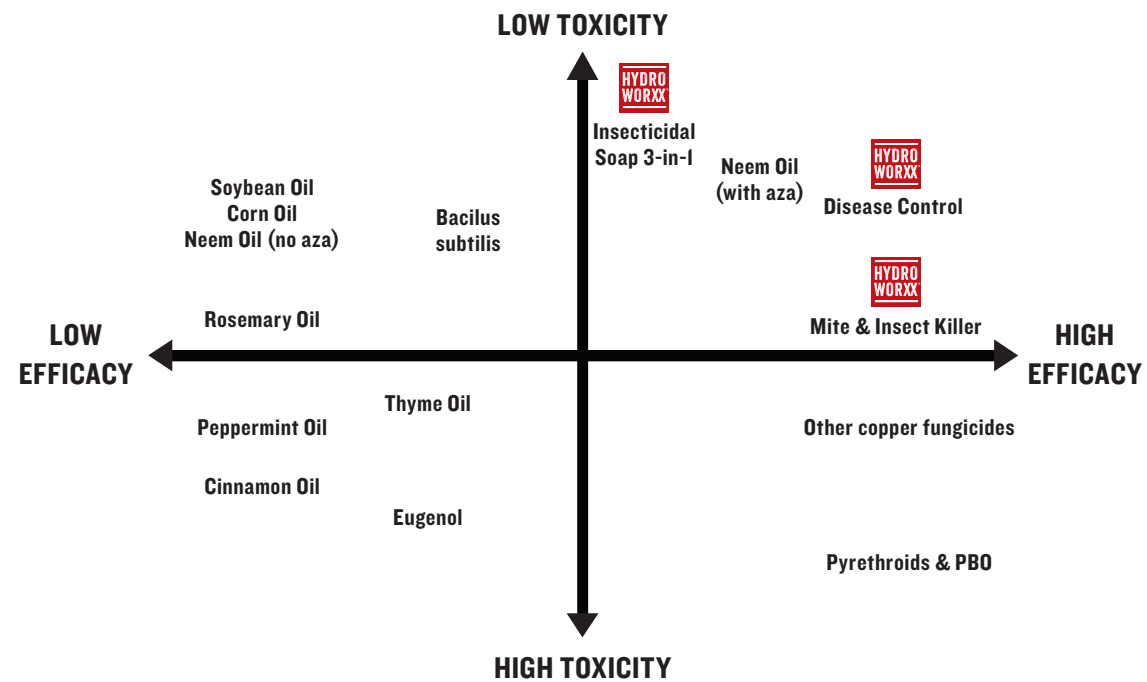


# HydroWorxx is powerful against pests and can be used up to the day of harvest.

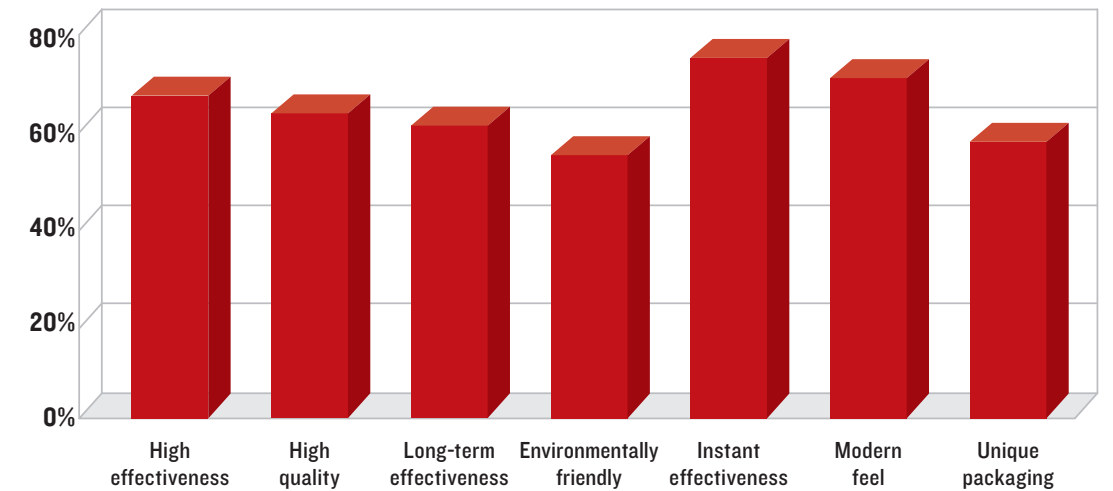
CUSTOMERS ARE LOOKING FOR MORE SUSTAINABLE SOLUTIONS while still getting the job done. We offer state-of-the-art technology fueled by the scientific passion of our in-house R&D team and proven active ingredients.

THE TARGET AUDIENCE IS HUNGRY FOR HIGH QUALITY PRODUCTS that are effective and have quick noticeable results. Our research shows that HydroWorxx products communicate these values clearly and generate high purchase intent.

## Hydroworxx products have low toxicity and high efficacy



## Reasons for high purchase intent



**HydroWorxx provides effective treatment for organic gardening and is also listed by the Organic Materials Review Institute**



**No unpleasant odors • Use up to day of harvest**



**12/24 OZ. READY TO USE  
MITE & INSECT KILLER**



**12/32 OZ. CONCENTRATE  
MITE & INSECT KILLER**



**12/24 OZ. READY TO USE  
DISEASE CONTROL**



**12/32 OZ. CONCENTRATE  
DISEASE CONTROL**



**12/24 OZ. READY TO USE  
INSECTICIDAL SOAP 3 IN 1**



**12/32 OZ. CONCENTRATE  
INSECTICIDAL SOAP 3 IN 1**



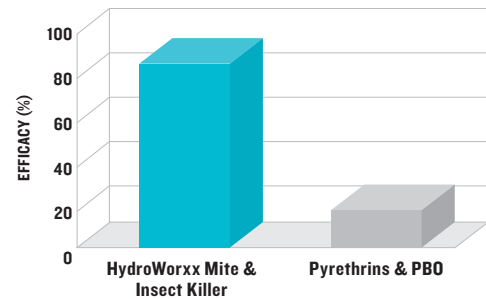
# MITE & INSECT KILLER: Fast acting, contact insecticide

**HYDROWORXX MITE & INSECT KILLER** Contains the dual active ingredients pyrethrins and canola oil to control all life stages of labeled pests. Pyrethrins are a botanical extract derived from the chrysanthemum flower that have a toxic effect specific to insects. They penetrate the cuticle and prevent normal function of the insect nervous system, leading to insect death. While pyrethrins kill the adult insects, canola oil smothers the eggs and larvae, providing multigenerational control of unwanted pests.

## BENEFITS

- Controls all stages of listed insects, including eggs
- Dual killing action
- Use up to day of harvest

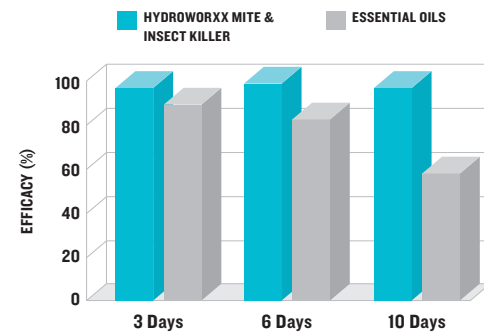
### HydroWorxx Mite and Insect Killer outperforms its synthetic competitors by over 400%



Control of spider mite eggs 8 days after treatment

Source: Neudorff, Germany

### HydroWorxx Mite and Insect Killer performs long-lasting efficacy allowing fewer applications



Control of greenhouse aphids on contact days after treatment

Source: Neudorff, Germany



#### 12/24 OZ. READY TO USE MITE & INSECT KILLER

##### ACTIVE INGREDIENTS:

Pyrethrins 0.01%  
Canola Oil 1.00%

EPA REG NO: 67702-35  
ITEM UPC: 191654000109



#### 12/32 OZ. CONCENTRATE MITE & INSECT KILLER

##### ACTIVE INGREDIENTS:

Pyrethrins 0.50%  
Canola Oil 89.00%

EPA REG NO: 67702-36  
ITEM UPC: 191654000093

**PESTS CONTROLLED:** aphids, armyworms, beetles, cabbage loopers, caterpillars, crickets, fungus gnats, lacebug, leafminers, mealybugs, mites, psyllids, scale, spider mites, thrips, whiteflies & more.

**USE SITES:** indoor, outdoor, greenhouses, herbs, fruits, vegetables, houseplants, flowering plants.



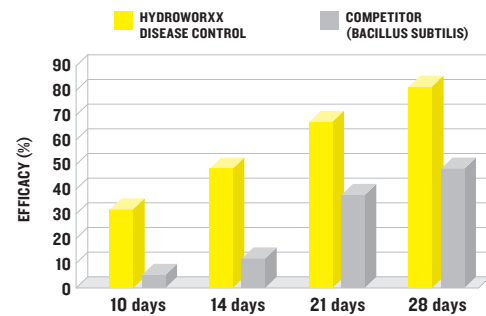
## DISEASE CONTROL: Copper soap fungicide

HYDROWORXX DISEASE CONTROL is made by combining a soluble copper with a fatty acid. The copper and the fatty acid combine to form a copper salt of the fatty acid, known technically as a true soap. The copper soap fungicide controls listed diseases using low concentrations of copper.

### BENEFITS

- Controls powdery mildew and other listed diseases
- Use up to day of harvest
- Protects buds and flowers

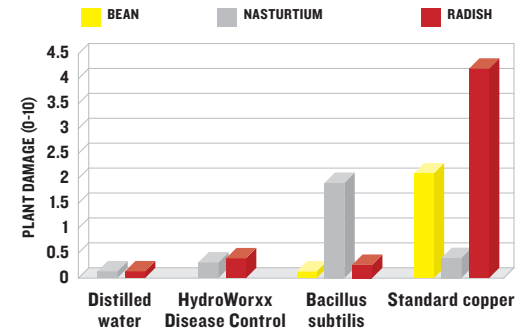
#### Control of powdery mildew on greenhouse ornamentals



HydroWorxx Disease Control's efficacy remains substantially higher than competitors' even four weeks after application.

Source: Strachan, Saanichton

#### Plant damage of treated greenhouse plants after two applications



HydroWorxx Disease Control causes minimal plant damage compared to competition.

Source: Strachan, Saanichton



#### 12/24 OZ. READY TO USE DISEASE CONTROL

**ACTIVE INGREDIENT:**  
Copper Octanoate (Copper Soap)  
0.08%

**EPA REG NO:** 67702-1  
**ITEM UPC:** 191654000062

**PESTS CONTROLLED:** A wide range of fungal and bacterial diseases including: powdery mildew, rusts, black spot, leaf & fruit spot, downy mildew, fruit rot, late blight, peach leaf curl.

**USE SITES:** hops, herbs, mint, fruits, vegetables, flowers, outdoors and greenhouses.



#### 12/32 OZ. CONCENTRATE DISEASE CONTROL

**ACTIVE INGREDIENT:**  
Copper Octanoate (Copper Soap)  
2.4%

**EPA REG NO:** 67702-39  
**ITEM UPC:** 191654000055



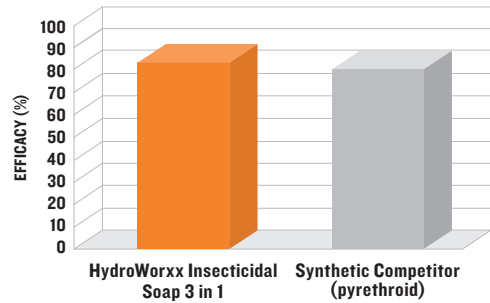
# INSECTICIDAL SOAP 3 IN 1: Contact killer for insects, mites, and powdery mildew

**HYDROWORXX INSECTICIDAL SOAP 3 IN 1** kills pests fast by disrupting membrane and cellular function and contains specially selected fatty acid salts (soaps) chosen for effective pest control and for optimum spreading. This insecticidal soap is effective against the adult, larval and nymph stages of pests.

## BENEFITS

- Insecticide / Miticide / Fungicide
- Kills listed insects on contact
- Use up to day of harvest

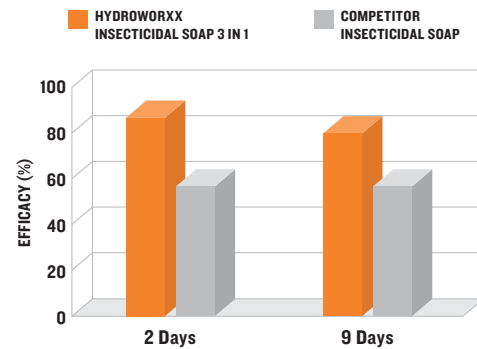
### HydroWorxx Insecticidal Soap 3 in 1 performs just as effectively as synthetic competition



Control of whiteflies on field vegetables after one treatment.

Source: University of Sinaloa, Mexico

### HydroWorxx Insecticidal Soap 3 in 1 has higher efficacy than competitive insecticidal soaps



Control of aphids on greenhouse ornamentals after two treatments.

Source: Uber, CA



### 12/24 OZ. READY TO USE INSECTICIDAL SOAP 3 IN 1

**ACTIVE INGREDIENT:**  
Potassium Salts of Fatty Acids 1%

**EPA REG NO:** 67702-21  
**ITEM UPC:** 191654000086

**PESTS CONTROLLED:** powdery mildew, and listed insects: aphids, mealybugs, mites, scale, spider mites, thrips, whiteflies, lacebugs, leafhoppers, psyllids and more.

**USE SITES:** vegetables, houseplants, indoor, outdoor, greenhouses.



### 12/32 OZ. CONCENTRATE INSECTICIDAL SOAP 3 IN 1

**ACTIVE INGREDIENT:**  
Potassium Salts of Fatty Acids 47%

**EPA REG NO:** 67702-11  
**ITEM UPC:** 191654000079



## Most of your pest problems can be solved with only three HydroWorxx products.

To achieve healthy plants and high yields, every grower has to identify and control pests. Some of the most common insects and diseases are:

- Spider Mite
- Whitefly
- Aphid
- Fungus Gnat
- Thrip
- Scale
- Mites
- Powdery Mildew

**MITE & INSECT KILLER**

- Contact kill only
- Smothers insects / eggs at all stages

**CANOLA OIL**

- Kill through contact
- Insect nerve poison

**DISEASE CONTROL**

- Fungal and bacterial diseases
- Low copper load
- Spreads on leaves

**COPPER SOAP**

- Kills through contact
- Disrupts insect cell membranes
- Spreads on leaves

**INSECTICIDAL SOAP 3 IN 1**

- Kill through contact
- Insect nerve poison

## HydroWorxx is a brand of Neudorff®



**ABOUT NEUDORFF:** Family owned since 1854, Neudorff is a Germany based company developing and producing products for organic and natural gardening. Neudorff is one of the few companies worldwide to develop and register its own environmentally responsible, reliable and effective pest control products for both home gardeners and professionals.

**WHY NEUDORFF?:** Neudorff has been specializing in the development and production of environmentally harmonious gardening products for more than 160 years. Wherever possible, Neudorff uses active ingredients that can also be found in nature. Their guiding principle is to combine a high degree of efficacy with the best possible degree of compatibility with humans, animals and the environment.

- Working in the US market for over 20 years with Consumer and Commercial /Agricultural products both our own and in cooperation with partners
- Neudorff is one of the leading brands in Europe and is present in over 30 countries
- Inventor of SLUGGO®

Industry leading supply chain management & support team servicing key partnerships throughout the United States and Canada.

### US PRODUCTION FACILITIES:

- Fresno, CA
- Lima, OH
- Smyrna, GA

### NEUDORFF EUROPEAN FACILITIES:

- Emmerthal/HQ, Germany
- Lüneburg, Germany

### RESEARCH & DEVELOPMENT

- Neudorff's R&D develops its own effective, unique and environmentally friendly products.
- State of the art R&D Center including new greenhouses, laboratories and outdoor areas for field tests.
- Over 900 registrations globally
- 19 patents plus 3 pending in US+Canada
- Own Regulatory Team in North America





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