

TRUSTED SINCE 1926

BONIDE



Fruit Tree Spray

Insect & disease control

For use on fruits, nuts, citrus
Spray up to time of harvest

READ ALL DIRECTIONS BEFORE USING
THIS PRODUCT. Shake Well Before Using

ACTIVE INGREDIENT:

Cold Pressed Neem Oil 70.0%

OTHER INGREDIENTS: 30.0%

TOTAL: 100.0%

EPA Est No. 4-NY-1 EPA Reg. No. 88760-10-4

Keep Out Of Reach Of Children

(See back label for additional precautionary statements, directions for use,
storage and disposal statements, and warranty)



**FOR ORGANIC
GARDENING**



Fruit Tree Spray

Concentrate

- ✓ Controls insects & diseases on fruit trees
- ✓ Use on fruit, citrus and nut trees
- ✓ Dormant & growing season applications
- ✓ Kills over-wintering insect eggs
- ✓ Help prevent disease on fruit trees

Store and transport in an upright position.

EPA Reg. No. 88760-10-4 EPA Est. No. 4-NY-1

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Distributed By:

Bonide Products, LLC

6301 Sutliff Road

Oriskany, NY 13424



FOR ORGANIC

- Captain Jack's® Fruit Tree Spray Concentrate is an effective biological fungicide, insecticide, miticide, and nematocide for organic gardening use on vegetables, tree fruits, nuts, vines, citrus, ornamental flowers, shrubs and trees, grass lawns and houseplants
- Controls Aphids, Beetles, Stinkbugs, Caterpillars, Leafhoppers, Leafminers, Whiteflies, Mealy Bugs, Midges, Spider Mites, Weevils, Scale, Thrips, and other listed insects and nematodes
- Use for the prevention and control of Powdery Mildew, Botrytis, Stem Mildew, and others as listed on the label
- Prevents fungal attacks of plant tissues

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

READ ALL DIRECTIONS BEFORE USING THIS PRODUCT

Shake Well Before Use

GENERAL INFORMATION

This product controls listed insects on contact or by ingestion. The product acts on insects by way of repellence, anti-feedant action and interference with the molting process. This product controls listed diseases by inhibiting mycelial fungal growth. The efficacy of this product is dependent on weather conditions, intensity of pest population, area of application, and physical stages of pests and crops. Do not store this product above 104°F for extended periods of time. Avoid storing below 70°F where possible to prevent freezing. If frozen, follow the thawing instruction below to completely thaw before use. Keep containers tightly closed and in original containers when not in use. Do not store exposed to ultraviolet light (sunlight) or moisture.

THAWING (MELTING) INSTRUCTIONS

If product is solidified, thaw (melt) it by standing product container in warm water. Make sure cap is tightly closed. Or set out in temperatures over 80°F for 24 hours. Avoid direct exposure to temperatures over 104°F.

MIXING INSTRUCTIONS

This product contains cold pressed neem oil and requires only water for the appropriate use dilution. Add this product to a mixing tank or spray bottle with a little water and agitate thoroughly. For optimal mixing, ensure water temperature is above 45°F.

Then add remaining water to the spray tank or spray bottle with continuous agitation. Agitate continuously while spraying. Non-uniform dilution can cause damage to plant or result in lowered effectiveness.

CROP USES

This product may be used on bulbs, cucurbits, fruiting vegetables, leafy and brassica (cole) vegetables, legumes, root and tuber vegetables, **small fruit** and **berries**, **citrus** and **tropical fruits**, **pome** and **stone fruits**, tree nuts, herbs, and spices, grass, lawn, and ornamentals.

FRUIT & NUT TREES

This product can be applied to fruit trees including, but not limited to: Apples, Avocados, Crabapples, Loquat, Mayhaw, Oriental Pear, Pear, Quince, Apricot, Cherry (sweet & tart), Citrus, Oranges, Grapefruit, Limes, Lemons, Nectarine, Peach, Plum, Plumcot, Prune, Almond, Beechnut, Brazil Nut, Butternut, Cashew, Chinquapin, Filbert (Hazelnut) Hickory, Macadamia nut, Pecan and Walnut (Black & English).

Fruit Tree Stages and Spray Schedule

Dormant: Absence of growth in late fall, winter and early spring.	Ideal time to apply as a Dormant spray for control of over-wintering insects.
Green Tip Stage: When branch tips show new, green tissue. Pre-Bloom/Pink Bud Stage: When blossom buds show full color before opening.	Second application can be made anytime in this period of growth.
Bloom Stage: When blossoms are open.	To protect pollinating insects, such as bees, do not spray during this period.
Petal Fall Stage: When the last of petals have fallen from the blossoms (when bees are gone).	Third application can be made.
Fruit Set: Fruit is established and clearly visible.	Fourth and subsequent applications can be made every 7 to 14 days.

USE RATES

(1) To Control Insects or Mites: Apply this product at 0.625 – 1.8% in sufficient amounts of water to achieve complete coverage in a 7-10 day interval.

(2) To Control Diseases: Use at 1.2 – 1.8% in sufficient amounts of water to achieve complete coverage with a 10-14 day interval.

(3) To Control Nematodes and For Soil Use: Use at 1.2 – 2.4% in sufficient amounts of water to achieve complete coverage with a 10-14 day interval.

This product is most effective when applied before insects or eggs are present in large numbers.

SPRAY DIRECTIONS

Apply as a foliar spray or as soil drench to control listed pests. When applied as a soil drench, avoid excessive run off. When using as a foliar application, ensure thorough coverage of plant surfaces, but avoid pooling or run off. Avoid spraying under conditions of high humidity and high temperature (>90°F). To avoid potential leaf burn, apply the product in early morning or late evening. Always test the product on a small portion of plants for compatibility before treating the entire plants.

Instructions for 1-Gallon Sprayer

Pests	Fluid Ounces per Gallon Water	Tablespoons (Tbsp) per Gallon Water
Insects-most conditions	0.8-1.5 fl. oz.	1.5-3 Tbsp
Insects-heavy infestation	2.3 fl. oz.	4.5 Tbsp
Disease control	1.5-2.3 fl. oz.	3 – 4.5 Tbsp
Soil Treatments	1.5 - 3 fl. oz.	3 – 6 Tbsp

Instructions for 32 oz. (1 Qt.) Spray Bottle

Pests	Teaspoons (tsp) per 32 fl. oz. (1 Qt) Water
Insects – most conditions	1 $\frac{1}{8}$ - 2 $\frac{1}{4}$ tsp
Insects – heavy infestation	3 $\frac{1}{2}$ tsp
Disease control	2 $\frac{1}{4}$ - 3 $\frac{1}{2}$ tsp
Soil Treatments	2 $\frac{1}{4}$ - 4 $\frac{1}{2}$ tsp

PESTS

This product may be used to control a variety of insects and diseases listed below.

Aphids such as:

Cotton Aphid
Cowpea Aphid
Pea Aphid
Green Peach Aphid

Beetles such as:

Cucumber Beetle
Japanese Beetle
Spotted Cucumber Beetle

Borers such as:

Peachtree Borer
Peach Twig Borer

Caterpillars/Moths/ worms such as:

Armyworms
Budworms
Diamondback Moth
Gypsy Moth
Leafrollers
Loopers
Navel Orange Worm

Grasshoppers

such as:

Carolina Grasshopper
Rice Grasshopper

Leafhoppers such

as:

Grape Leafhopper
Potato Leafhopper

Leafminers such

as:

Citrus Leafminer
Tomato Leafminer
Vegetable Leafminer

Maggots/Grubs

such as:

Onion Maggots
Apple Maggots

Mealybugs such as:

Citrus Mealy Bug

Scales such as:

California Red Scale
Coffee Green Scale
San Jose Scale
Soft Scale

Thrips such as:

Flower Thrip
Grape Thrip
Onion Thrip
Western Flower Thrip

True Plant Bugs such as:

Lygus Bug
Phylloxera
Spittle Bug
Sting Bug
Tomato Stink Bug

Weevils such as:

Black Vine Weevil
Boll Weevil
Pepper Weevil

Flies/Gnats such as:

Fruit Fly
Fungus Gnat
Walnut Husk Fly

Mites such as:

Pacific Spider Mites
Red Spider Mite
Spider Mites
Two Spotted Spider Mite

Psyllids such as:

Asian Citrus Psyllid,
Pear Psyllid
Potato Psyllid

Wireworms such as:

Field/Wheat
Wireworm

Whiteflies such as:

Cotton Whitefly,
Silverleaf Whitefly,
Greenhouse Whitefly

Foliar Fungal Disease

Alternaria
Anthracnose
Blight (early, late, leaf)
Botrytis
Black Spot
Brown Rot or Fruit Rot

Downey Mildew
Molds
Powdery Mildew
Rust

Scab
Stem Mildew
Southern Blight
Sour Rot Grapes

Soil Fungal Diseases

Fusarium Oxysporum
Pythium
Rhizoctonia Solani

Nematodes such as:

Dagger Nematode
Lance Nematode
Lesion Nematode
Reniform Nematode
Root Knot Nematode

Soybean Cyst Nematode
Sting Nematode

STORAGE AND DISPOSAL

For optimal use experience, store in room temperature (>60°F) where possible to prevent thickening. If product has started to solidify, refer to "Thawing Instruction". Store in tightly closed original container when not in use. Nonrefillable container. Do not reuse or refill this container. If empty: Place in trash or offer for recycling if available. If partly filled: Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

ENVIRONMENTAL HAZARDS

To protect the environment, do not allow pesticide to enter or run off into storm drains, drainage ditches, gutters or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help to ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid run off to water bodies or drainage systems.

NOTICE

Bonide Products, LLC warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. To the extent permitted by applicable law: (1) this warranty does not extend to the use of the product contrary to label instructions or under conditions not reasonably foreseeable to or beyond the control of Bonide Products, LLC and, (2) buyer and user assume the risk of any such use. TO THE EXTENT PERMITTED BY APPLICABLE LAW, BONIDE PRODUCTS, LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS WARRANTED BY THIS LABEL.

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CAPTAIN JACK'S FRUIT TREE SPRAY CONCENTRATE

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