

FRUIT TREE & PLANT GUARD CONCENTRATE

- Controls both insects and diseases on fruit trees and nut trees
- Controls aphids, Japanese beetles, plum curculio, leafhopper, and other listed insects and diseases, such as powdery mildew, apple scab, flyspeck, and other listed diseases
- Controls a wide range of listed fungal disease and insect pests
- Controls insects and diseases on listed fruit and nut trees
- Excellent multi-purpose performance for the hobby home orchardist

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READ THE ENTIRE LABEL BEFORE USE

DIRECTIONS FOR USE

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

Do not allow children or pets into the treated area until dry.

In New York State, this product may not be applied to lawns within 100 ft. of a coastal marsh, or stream that drains directly into a coastal marsh.

This product is a complete concentrate containing Insecticide, Fungicide, Miticide, Aphicide and Scalicide. Designed especially for home orchards to protect Apples, Apricots, Cherries, Nectarines, Peaches, Pears, Plums, Almonds, Pecans, Walnuts and other listed Fruits and Nuts from the ravages of listed insects and diseases.

SHAKE THIS PRODUCT THOROUGHLY BEFORE MEASURING, MIXING AND USE. This product may settle when stored and will require agitation (shaking) to re-suspend. Choose a cool, calm period to apply product, preferably early morning or evening, when trees will not be subjected to hot direct sunlight. Do not apply if rain is expected before the product has a chance to dry on the leaf surfaces. When active disease spores are present (warm humid days), shorten the spray intervals to 7-10 days. Apply spray to the leaves, fruit branches, trunk and base of tree for complete coverage (to the point of runoff). When applying, shake sprayer occasionally or agitate to keep spray solution well mixed. Carefully read and follow the spray schedule.

Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes.

For recommendations on plant care and maintenance, including identification of insect or disease infestation, contact your regional agricultural extension service.

MIXING AND APPLICATION

1. Using a clean sprayer, measure and mix 2 fl. oz. per gallon of water
2. Do not use kitchen utensils such as measuring cups and spoons for food purposes after they have been used with pesticides.
3. Spray as directed – complete coverage is important.
4. Flush sprayer with clean water after use and apply rinsate to treatment area.
5. Carefully follow all label directions and any limitations of use, such as the amount of spray to apply or PHI (pre-harvest interval) for particular edible crops.

Measurement Conversions:

1 Tablespoon (Tbs) = 3 teaspoons (tsp)

1 fl oz = 2 Tbs = 6 tsp

6 fl oz = $\frac{3}{4}$ cup

1 $\frac{1}{2}$ Tbs in 3 gallons of water = 1 $\frac{1}{2}$ tsp in 1 gallon of water

2 Tbs in 3 gallons of water = 2 tsp in 1 gallon of water

FRUIT AND NUT TREES

Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects or disease are present. For best results, apply when insects or disease first appear or damage occurs. See **Table 1-** for use rates, crops, pre-harvest interval (PHI), insects and diseases controlled.

Table 1

1 PT (16 fl oz) covers up to 12,000 sq ft., 1 QT (32 fl oz) covers up to 24,000 sq. ft., 1 GAL covers up to 96,000 sq. ft. Spray leaf surfaces to the point of drip, but do not exceed 2 fl. oz. of this product per 1,500 sq. ft.

Pome Fruits	PHI	Insects Controlled
Apple, Crabapple, Loquat, Mayhaw, Oriental Pear, Pear, Quince Do not make more than 4 applications per year	21 Days (Do not apply within 21 days of harvest)	Apple Aphid, Apple Maggot (Adult), Cherry Fruit Fly spp. (Adult), Codling Moth, Green Fruitworm, Japanese Beetle, Leafhopper spp., Leafroller spp., Lesser Appleworm, Omnivorous leafroller, Orange Tortrix, Oriental

Table 1 Cont.

Pome Fruits	PHI	Insects Controlled
		Fruit Moth, Pear Psylla spp., Pear Sawfly, Periodical Cicada, Plant Bug spp., Plum Curculio, Rosy Apple Aphid, San Jose Scale (fruit infestations only), Spirea Aphid spp., Stink Bug spp., Tent Caterpillar spp., Tentiform Leaf Miner spp. Tree Borer spp. Tufted Apple Budworm, Webworm spp.
		Diseases Controlled
		Alternaria blotch, Apple scab, Bitter rot, Black rot/ Frogeye leaf spot, Brooks spot, Flyspeck, Pear scab, Powdery mildew, Sooty blotch, White rot Suppression Only: Cedar apple rust and Quince rust
Stone Fruits	PHI	Insects Controlled
Apricot, Cherry (sweet & tart), Nectarine, Peach, Plum, Plumcot, Prune	14 Days (Do not apply within 14 days of harvest)	American Plum Borer, Apple Maggot (Adult), Black Cherry Aphid, Cherry Fruit Fly spp.(Adult), Codling Moth, Green Fruitworm, Japanese Beetle, June Beetle, Leafhopper spp., Leafroller spp. Oriental Fruit Moth, Peach Twig Borer, Peachtree Borer spp., Pear Sawfly, Periodical Cicada, Plant Bug spp., Plum Curculio, Rose Chafer, Stink Bug spp., Tent Caterpillar spp., Thrips spp.
Do not make more than 5 applications per year		Diseases Controlled
		Alternaria leaf spot, Anthracnose, Blossom blight, Brown rot, Leaf spot, Powdery mildew, Ripe fruit rot, Rust, Scab, Shothole
		For Nectarine & Peach, Suppression only for Leaf Curl

Table 1 Cont.

Tree Nuts	PHI	Insects Controlled
Almond, Beech Nut, Brazil Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory, Macadamia Nut, Walnut (Black and English)	25 Days On Almonds	Ants, Chinch Bug, Codling Moth, Filbertworm, Leaffooted Bug, Leafroller spp., Navel Orangeworm, Peach Twig Borer, Plant Bug spp., Stink Bug spp. Walnut Aphid, Walnut Husk Fly spp. (Adult)
Do not make more than 4 applications per year	14 Days On All Other Listed Nuts	Diseases Controlled
		Alternaria leaf spot, Anthracnose, Blossom blight, Eastern filbert blight, Leaf rust, Scab, Green fruit rot, Shothole

Fruit Tree Stages and Spray Schedule

Dormant: Absence of growth in late fall, winter and early spring.	Ideal time to apply Bonide All Seasons Horticultural and Dormant Spray Oil for control of listed over-wintering insects.
Green Tip Stage: When branch tips show new, green tissue.	First application can be made anytime in this period of growth
Pre-Bloom/Pink Bud Stage: When blossom buds show full color before opening.	
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).	Second application can be made.
Fruit Set: Fruit is established and clearly visible	Third and subsequent applications can be made every 10 – 14 days, up to cut-off date listed in Table 1 for PHI (Pre Harvest Interval).

ORNAMENTAL TREES, SHRUBS & FLOWERS

Apply thoroughly as a foliar cover spray to both sides of plant leaves and all plant surfaces where insects or disease are present. For best results, apply early – prior to high insect or disease infestations. See **Table 2-Ornamental Trees, Shrubs & Flowers Pest Control** for use rates and insects/diseases controlled.

Table 2. Ornamental Trees, Shrubs & Flowers Pest Control

1 PT (16 fl oz) covers up to 12,000 sq ft., 1 QT (32 fl oz) covers up to 24,000 sq. ft., 1 GAL covers up to 96,000 sq. ft. Spray leaf surfaces to the point of drip, but do not exceed 2 fl. oz. of this product per 1,500 sq. ft.

Application to impatiens and petunia during flowering may cause discoloration.

Do not apply to the following species or varieties: ninebark, wintercreeper or grapes (Concord, Worden, Fredonia, Niagara or related varieties).

Use Site	Use Rate	Insects Controlled
Ornamental Trees, Shrubs & Flowers including (but not limited to): Ageratum, Ash, Aster, Arborvitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Cherry (ornamental), Non-bearing Citrus, Chrysanthemum, Carnation, Coleus, Conifers, Douglas Fir, Elm, English Ivy, Euonymus, Exacum, Weeping Fig, Fir, Gladioli, Gold Bells,	Mix 2 fl. oz. of product in one gallon of water and apply to 1500 sq. ft.	Ants ¹ , Armyworms, Aphids, Azalea caterpillar, Bagworms, Black vine weevil (adult), Boxelder bugs, Budworms, Cankerworms, Cockroaches, Crickets, Cutworms, Eastern tent caterpillar, Elm leaf beetles, European sawfly, Fall webworm, Flea beetles, Forest tent caterpillar, Gypsy moth larvae, Japanese beetle (adults), June beetles (adults), Lace bugs, Leaf feeding caterpillars, Leafhoppers, Leafminers (adult), Leaf rollers, Leaf skeletonizers, Midges, Oleander moth larvae, Pillbugs, Pine sawfly, Pine shoot beetles, Pinetip moths, Plant bugs, Root weevil, Sawfly, Scale insects (crawlers), Spiders, Spittlebugs, Striped beetles, Striped oakworm, Thrips, Tip moth, Tussock moth larvae Broadmites, Brown soft scale, California red scale (crawler), Clover mites, Mealybugs, Pineneedle scale (crawler), Spider mites, Whiteflies

Table 2. Ornamental Trees, Shrubs & Flowers Pest Control Cont.

Use Site	Use Rate	Insects Controlled
Hawthorn, Holly, Honeysuckle, Hypoestes, Ivy, Juniper, Lilac, Locust, Maple, Marigold, Mimosa, Mock Orange, Nannyberry, Oak, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Pine, Ornamental Plum, Poinsettia, Poplar, Tulip Poplar, Rhododendron, Roses, Snapdragon, Snowberry, Spruce, Taxus, Willow, Zinnia.		¹ Argentine, Allegheny mound, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.
Reapply at 7 – 14 day intervals.		Diseases Controlled <u>Anthracnose</u> (<i>Colletotrichum</i> spp.), <u>Blossom Blight</u> (<i>Monilinia</i> spp.), <u>Crown & Basal Rots</u> (<i>Cylindrocladium</i> spp., <i>Fusarium</i> spp., <i>Rhizoctonia solani</i> , <i>Sclerotinia</i> spp.), <u>Downy Mildew</u> (<i>Peronospora</i> spp., <i>Plasmopara</i> spp.), <u>Leaf Spots</u> (<i>Alternaria</i> spp., <i>Blumeriella</i> spp., <i>Cercospora</i> spp., <i>Helminthosporium</i> spp., <i>Mycosphaerella</i> spp., <i>Myrothecium</i> spp., <i>Phoma</i> spp., <i>Phomopsis</i> spp., <i>Phyllosticta</i> spp., <i>Sphaceloma</i> spp., <i>Wilsonomyces</i> spp.), <u>Phytophthora blight</u> (<i>Phytophthora</i> spp.), <u>Powdery Mildews</u> (<i>Erysiphe</i> sp., <i>Oidium</i> sp., <i>Podosphaera</i> sp., <i>Sphaerotheca</i> sp., <i>Uncinula</i> sp.), <u>Botrytis Rot</u> (<i>Botryosphaeria</i> spp., <i>Botrytis</i> spp., <i>Coniothyrium</i> spp., <i>Exobasidium</i> spp.), <u>Rust</u> (<i>Puccinia</i> spp., <i>Uromyces</i> spp., <i>Coleosporium</i> spp., <i>Gymnosporangium</i> spp.), <u>Scab</u> (<i>Venturia</i> spp., <i>Cladosporium</i> spp).

STORAGE & DISPOSAL

Pesticide Storage: Store and transport in upright position. Store only in original container, in a cool dry place inaccessible to children or pets.

Pesticide Disposal: *If partly filled* – Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

Container Disposal: *If empty* - Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available.

FIRST AID

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Pesticide Information Center at [1-800-858-7378](tel:1-800-858-7378) for emergency medical treatment information.

If swallowed

Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

If in eyes

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco.

Environmental Hazards

This product is extremely toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply to application sites adjacent to surface water, including ornamental fish ponds, unless a vegetative buffer strip exists between the application area and the surface water. 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.

This product is highly toxic to bees exposed to direct treatment or residues on blooming plants. Do not apply this product to listed fruit trees, ornamental trees, shrubs & flowers during bloom. Do not allow pesticide to drift to non-target blooming crops or weeds if bees are visiting or foraging the treatment area.

WARRANTY

Seller warrants that this product complies with the specifications expressed in this label. To the extent consistent with applicable law, Seller makes no other warranties, and disclaims all other warranties, express or implied, including but not limited to warranties of merchantability and fitness for the intended purpose. To the extent consistent with applicable law, Seller's liability or default, breach or failure under this label shall be limited to the amount of the purchase price. To the extent consistent with applicable law, Seller shall have no liability for consequential damages.

For information on pesticide products (including health concerns, medical emergencies, or pesticide incidents) call National Pesticide Information Center at 1-800-858-7378.

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