Fruit Tree & Plant Guard

Concentrate E

Mix 2 fl. oz. ner gallon of water

Controls both listed insects and listed

diseases on fruit, nut and ornamental

trees, shrubs & flowers

ACTIVE INGREDIENTS:

Lambda-cyhalothrin 0.500% Pyraclostrobin 3.060% OTHER INGREDIENTS: ...90.818%

TOTAL

Intended for residential use only



Fruit Tree & Plant Guard Concentrate

- √ Controls both listed insects and listed diseases on fruit, nut and ornamental trees, shrubs & flowers
- ✓ 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

Store and transport in an upright position. Buyers Guarantee Limited to Label Claims. EPA Reg. No. 4-488 EPA Est. No. 4-NY-1 @Bonide Products, LLC All Rights Reserved

Distributed by: Bonide Products, LLC

6301 Sutliff Road Oriskany, NY 13424

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.

Resistance Management: Some insects are known to develop resistance to products used repeatedly for control. Because the development of resistance cannot be predicted, use of this product should conform to resistance management strategies established for the use area. For recommendations on plant care and maintenance, including identification of insect or disease infestation, contact your regional agricultural extension service.

MIXING AND APPLICATION

- Using a clean sprayer, measure and mix 2 fl. oz. of product per gallon of water (1.25 fl. oz. of product per gallon of water for fruiting vegetables except curcurbits.)
- 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.
- Flush sprayer with clean water after use and apply rinsate to treatment area.
- 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
- 4 Tbs in 1 gallon of water = 12 tsp in 1 gallon of water
- 2 1/2 Tbs in 1 gallon of water = 7 1/2 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., 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 apply within 21 days of harvest	Apple Aphid, Apple Maggot (Adult), Cherry Fruit Fly spp. (Adult), Codling Moth, Green Fruilworm Japanese Betell, Leafinopper spp., Leafroller spp., Lesser Appleworm, Omnivorous leafroller, Orange Tortix, Oriental 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., Tentform Leaf Miner spp., Tree Borer spp. Tufted Apple Budworm, Webworm spp.
more than 4		Diseases Controlled
applications per year		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 Do not make more than 5 applications per year	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.

Stone Fruits	PHI	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
Tree Nuts	PHI	Insects Controlled
Almond, Beech Nut, Brazii Nut, Butternut, Cashew, Chestnut, Chinquapin, Filbert (Hazelnut), Hickory Macadamia Nut, Pecan, Walnut (Black and English)	Do not apply within 25 days of harvest on Almonds Do not apply within 14 days of harvest on all	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	other listed nuts	Diseases Controlled
applications per year		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. Pre-Bloom/Pink Bud Stage: When blossom buds show full color before opening.	First 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).	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 (P re H arvest 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. 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).

varieties).		
Use Site	Use Rate	Insects Controlled
Ornamental Trees, Shrubs & Flowers including (but not limited to): Ageriatum, Ash, Aster, Arborvitae, Arizona Cypress, Azaleas, Begonia, Birch, Boxwood, Box Elder, Camellias, Cherry (ornamental), Non-bearing Citrus, Chrysanthemum, Carnation, Coleus, Cleim, English Ivy, Euonymus, Exacum, Weeping Fig. Fir. Cladfoli, Gold Bells, Hawthorn, Holly, Honeysuckle, Hypoestes, Impatiens (may cause discoloration during flowering),	Mix 2 fl. oz. of product in one gallon of water and apply to 1500 sq. ft. Reapply at 7 – 14 day intervals. Do not exceed 14 applications per year.	Ants', Armyworms, Aphids, Azalea caterpilar, 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, Elm leaf beetles, Japanese beetle (adults), June beetles (adults), June beetles (adults), June beetles (adults), Lace flowers, Leafmopers, Leafmopers, Leafmopers, Hamt bugs, Root weevil, Sawfly, Scale insects (crawlers), Spiders, Spittlebugs, Striped beetles, Striped oākworm, Thrips, Tip moth, Tussock moth larvae Broadmites, Brown off scale (California red scale (crawler),

Use Site	Use Rate	Insects Controlled
Ivy, Juniper, Lilac, Locust, Maple, Marigold, Mimosa,		Clover mites, Mealybugs, Pineneedle scale (crawler), Spider mites, Whitefiles *Argentine, Allegheny mound, Black carpenter, Cornfield, Field, Florida carpenter, Harvester, Honey, Pavement, Southern, Sugar, Nuisance.
Mock Orange, Nannyberry,		Diseases Controlled
Oak, Orchid, Palm, Pansy, Pea Shrub, Petunia, Philodendron, Pine, Ornamental Plum, Poinsettia, Poplar, Tulip Poplar, Rhododendron, Roses, Snapdragon, Snowberry, Spruce, Taxus, Willow, Zinnia.		Anthracnose (Colletotrichum spp.), Blossom Bilight (Morillinia spp.), Crown & Basal Rots (Cylindrocladium spp., Fusarium spp., Rhizoctonia solani, Sclerotinia spp.), Downy Mildew (Pernospora spp., Plasmopara spp., including Plasmopara obducens), Leaf Spots (Alternaria spp. Blumeriella spp.), Cercospora spp., Helminthosporium spp., Mycosphaerella spp., Myrothecium spp., Phoma spp., Phomopsis spp., Mylosticta spp., Sphaceloma spp., Wilsonomyces spp.), Phydophtora blight (Phytophthora spp.), Powdery Mildews (Erysiphe sp., Oidium sp.), Powdery Mildews (Erysiphe sp., Oidium sp.), Powdery Mildews (Erysiphe sp., Cidium sp.), Botrytis Rot (Botryosphaeria spp. Botrytis Rot (Botryosphaeria spp., Botrytis Rot (Botryosphaeria spp., Botrytis Rot. (Botryosphaeria spp., Coleosporium spp.), Rust (Puccinia spp., Uromyces spp., Coleosponium spp.), Rust (Puccinia spp., Uromyces spp., Coleosponium spp.), Rust (Puccinia spp., Urdadosporium spp.), Scab (Venturia spp., Cladosporium spp.), Scab (Venturia spp., Cladosporium spp.),

PIGETABLES

Apply thoroughly as a toliar 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 3-Vegetables Pest Control for use rates and insects/diseases controlled.

Table 3. Vegetable Pest Control

For Eggplant, Ground Cherry, Pepino, Peppers and Tomatillo: 1 PT (16 ff. oz.) covers up to 19,200 sq. ft. 1 QT (32 ff. oz.) covers up to 38,400 sq. ft. Do not exceed 1.25 ff. oz. of this product per 1,500 sq. ft. For all other listed vegetables: 1 PT (16 ff. oz.) covers up to 12,000 sq ft. 1 QT (32 ff. oz.) covers up to 24,000 sq. ft. Do not exceed 2 ff. oz. of this product per 1,500 sq. ft.

Use Site	Use Rate	Pests
Garlic Onion	Mix 2 fl. oz. of product in one gallon one gallon of water and apply to 1500 sq. ft. Do not apply within 14 days of harvest Do not make more than 6 applications per year	Insect Controlled Cutworm spp., Leafminer spp. (Adult), Onion Maggot (Adult), Seedcorn Maggot (Adult), Aphid spp.2, Armyworm spp.1, Flower Thrips ^{2,3} , Onion Thrips ³ , Plant bug spp., Stink Bug spp., Tobacco Thrips ² , Western Flowers Thrips ^{2,3} Western Flowers Thrips ^{2,4} Western Flowers Thrips ^{2,5} Diseases Controlled Botrytis leaf Blight (botrytis spp.), Purple blotch and leaf blight (Alternaria porn), Stemphylium leaf blight and stalk rot (Stemphylium vescarium), suppression of Downy Mildew.

Use Site	Use Rate	Pests
Cucurbit Vegetables Group Includes all types and hybrids of Chayote Chinese waxgourd, Citron Melon, Cucumber, Gherkin, Pumpkin, Watermelon Edible Gourd Chinese okra, Cucuzza Hyotan Momordica spp. Balsam apple, Balsam pear, Bitter melon, Chinese cucumber Muskmelon, Cantaloupe, Casaba, Crenshaw melon, Honeydew melon, Honey balls, Mango melon, Persian melon, Pineapple melon, Santa Clause melon, Santa Claus	Mix 2 ft. oz. of product in one gallon of water and apply to 1500 sq. ft. Do not apply within 1 day of harvest Do not make more than 4 applications per year	Insect Controlled Armywogms³, Aphid species³, Blister beetle species, Cabbage looper, Corn earworm, Cricket species, Cuumber beetle species (adult), Cutworm species, Flea Beetle species, Grasshopper species. June beetle species, Leaffooted bug, Leaffooted bug, Leaffooted bug, Leaffooter species, Leafminer species², J. Lygus Bug species³, Rindworm species complex, Saltmarsh caterpillar, Spider mite species², Squash beetle, Squash bug species, Stink bug species, Thrips species³, Tobacco budworm³, Tobacco budworm³, Webworm species, Whitefly species²,3

Use Site		Use Rate	Pests	
Winter Squash, Acom squash, Butternut Squash, Calabaza, Hubbard squash, Spaghetti squash			Diseases Controlled Downey mildew (Pseudoperonospora cubensis), Alternaria blight (Alternaria cucumeria), Cercospora leaf spot (Cercospora citrulina), Summy stem blight (Didymella bryoniae), Powdery mildew (Sphaerotheca fuliginea, Erysiphe cichoracearum)	
Use Site	Use Rate		Pests	
Fruiting Vegetables (except cucurbits)	egetables fl. oz. of product in		Insects Controlled Aphid spp. 2-3, Beet armyworm 1,3, Blister Beetle, spp., Cabbage Looper, Colorado Potato Beetles, Cucumber Beetle spp., (Adujt), Cutworm spp., Furonean Corn Borer 5, Fall	

Crop of water Armyworm¹, Flea Beetle spp., Grasshopper Group and apply to spp., Hornworm spp., Japanese Beetle (Adult), 1500 sq. ft. Leafhopper spp., Leafminer spp. 2, Meadow Eggplant, Spittlebug, Pepper weevil (Adult)2, Plant Bug, Ground spp., Southern Armyworm¹, Spider Mite spp.², Stalk Borer⁴, Stink Bug spp., Thrips⁵, Tobacco Do not apply Cherry. within 5 days Budworm³, Tomato Fruitworm, Tomato Pinworm, Tomato Psyllid^{2,3}, Vegetable Weevil Pepino, of harvest Peppers, (Adult), Whitefly spp. 2,3, Yellow-striped Tomatillo Do not make Armyworm¹ more than 6 applications **Diseases Controlled** per year Black mold (Alternaria alternata) Early Blight (Alternaria solani)

Use Site	Use Rate	Pests
Tomato	Mix 2 ft. oz. of product in one gallon of water and apply to 1500 sq. ft. Do not apply within 5 days of harvest Do not make more than 2 applications per year	Insects Controlled Aphid spp. 2-3, Beet armyworm ^{1,3} , Blister Beetle spp., Cabbage Looper, Colorado Potato Beetle ³ , Cucumber Beetle spp., (Adult), Cutworm spp., European Corn Borer ⁴ , Fall Armyworm ¹ , Flea Beetle spp., Grasshopper spp., Hornworm spp., Japanese Beetle (Adult), Leafhopper spp., Leafminer spp. ² , Meadow Spittlebug, Pepper weevi (Adult), Plant Bug spp., Southern Armyworm ¹ , Spider Mite spp. ² , Stalk Borer ⁴ , Stink Bug spp., Thrips ³ , Tobacco Budworm ³ , Tomato Fruitworm, Tomato Pinworm, Tomato Psyllid ^{2,3} , Vegetable Weevil (Adult), Whitefly spp. ^{2,3} , Yellow-striped Armyworm ¹ Disease Controlled Anthracnose (Colletotrichum spp.), Black mold (Alternaria alternaria), Botrytis gray, mold (Botrytis cinerea), Early Blight (Alternia solan), Late Blight (Phylophthroa infestans), Powdery mildew (Leveillula taurica), Septoria leaf spot (Septoria lycopersici), Target spot (Corynespora cassiicola)

Use Site	Use Rate	Pests
Beans Lupinus spp. Lupine, Sweet lupine Fleid bean, Kidney bean, Pinto bean, Navy bean, Pinto bean, Tepary bean Vigna spp., Adzuki Blackeyed pea, Catjang, Catjang, Catyang, Moth bean, Mung bean, Kice bean, Southern pea, Southern pea, Southern pea, Southern pea, Southern pean,	Mix 2 fl. oz. of product in one gallon of water and apply to 1500 sq. ft. Do not apply within 21 days of harvest Do not make more than 2	Insects Controlled Alfalfa Caterpillar, Alfalfa Looper, Aphid spp.3, Armyworm, Aster Leafhopper, Bean Leaf Beetle, Bean Leaf skeletonizer, Beet Armyworm! 2.3, Bird Cherry-Oat Aphid, Blister Beetle, Cinch Bug, Colorado Potato Beetle, Common Comstalk Borer, Corn Earworm4, Corn Leaf Aphid, Corn Silkfly (adult), Cucumber Beetle Adult, Curculio and Weevil species*1.9, Cutworm, Diamondback Moth, English Garin Aphid, European Corn Borer4, Fall Armyworm1, Plea Beetle, Flea Hopper, Flower Thrips, Grasshopper, Green Cloverworm, Greenbug, Hop Vine Borer4, Hornworm, Imported Cabbageworm, Japanese Beetle (adult), Leafhopper, Leafminer (adult), 2.3, Leaftier species, Lesser Cornstalk Borer2, 4, Looper species, Meadow Spittlebug, Mexican Bean Beetle, Mexican Rootworm Beetle (adult), Mexican Rice Borer4, Northern Corn Rootworm Bean Beetle, Mexican Rootworm Beetle (adult), Plant Bug, including Lygus Bug3 Rice Stalk Borer4, Saltmarh Caterpillar, Sap Beetle (adult), Seedcorn Beetle, Seedcorn Maggot (adult), Southern Armyworm, Southern Cabbageworm, Southern Corn Leaf Beetle, Southern Corn Rootworm Beetle (adult), Southwestern Corn Borg4*, Soybean Looper2.3, Spider Mite, Stalk Borer4*,

Use Site	Use Rate	Pests
		Stink Bug, Sugarcane Borer ⁴ , Tarnished Plant Bug, Threecornered Alfalfa Hopper, Thrips ^{3,5} , Tobacco Budworm ^{3,4} , Tobacco Thrips, Tomato Friutworm, Tomato Psyllid, Vegetable Weevil (adult), Velvetleaf Caterpillar, Webworm, Western Bean Cutworm ⁴ , Western Corn Rootworm Beetle (adult), Western Flower Thrips, Western Yellowstriped Armyworm, Whitefly ^{2,3} , Yellowstriped Armyworm
		Diseases Controlled Alternaria leaf and pod spot (Alternaria spp.), Ascochyta blight (Phoma exigua, Ascochyta spp.), Cercospora leaf spot (Cercospora spp.), Downy mildew (Phytophthora nicotianae) Mycosphaerella blight (Mycosphaerella spp.), Powdery mildew (Erysiphe polygoni), Rust (Uromyces appendiculatus) Septoria leaf spot (Septoria spp.), Anthracnose (Colletotrichum spp.), Botrytis gray mold (Botrytis cinerea), White mold (Scierolinia seleroliorum)

For control of first and second instar only.

Suppression only.
3See resistance management statement above (elsewhere on this label)
4For control before the larvae bores into the plant stalk or fruit.
5Does not include Western Flower Thrips.

⁶Foliage and pod feeding adults and larvae.

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 and Container Handling: Non-refillable 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

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 thacco

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.

FIRST AID

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.
- 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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 call National Pesticide Information Center at 1-800-858-7378, 8AM to 12PM, Monday through Friday.