

Xytect™ 2F

Insecticide

For foliar and systemic insect control in turfgrass, landscape ornamentals, listed residential fruit and nut trees and interior landscapes.

PULL HERE TO OPEN

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet. **STOP** – Read the label before use.

**SHAKE WELL
BEFORE USING**

ACTIVE INGREDIENT:	
Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine	21.4%
OTHER INGREDIENTS:	78.6%
TOTAL:	100.0%

Contains 2 pounds of imidacloprid per gallon.

EPA Reg. No. 42750-115-74779

EPA Est. No. 42750-MO-1

PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente. (TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

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Net Contents:

1 gallon 128 fl oz (3.78 L)



Rainbow Treecare
Scientific Advancements

Distributed By:
Rainbow Treecare
Scientific Advancements
11571 K-Tel Drive
Minnetonka, MN 55343
1-877-272-6747
www.treecarescience.com

FIRST AID

IF SWALLOWED	<ul style="list-style-type: none"> • 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 ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15 to 20 minutes. • Call a poison control center or doctor for treatment advice.
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15 to 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.
<p>In case of emergency call CHEMTREC toll free at 1-800-424-9300. Have a product container or label with you when calling a poison control center or, doctor, or going for treatment.</p>	
<p>Note to Physician: No specific antidote is available. Treat the patient symptomatically.</p>	

For non-emergency questions for this product call Albaugh, Inc. toll free at 1-800-247-8013

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling. Keep children or pets off treated area until spray is dry.

Applicators and Other Handlers Must Wear:

1. Long-sleeved shirt and long pants
2. Chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinyl chloride (PVC) or viton. If you want more options, follow the instructions for category A on an EPA chemical-resistant category chart.
3. Shoes plus socks

Follow manufacturer's instructions for cleaning/ maintaining personal protective equipment, PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS

User should:

1. Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
2. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
3. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product is highly toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops, plants or weeds. Do not apply this product or allow it to drift to blooming crops, plants or weeds if bees are foraging the treatment area.

This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination.



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PROTECTION OF POLLINATORS

APPLICATION RESTRICTIONS EXIST FOR THIS PRODUCT BECAUSE OF RISK TO BEES AND OTHER INSECT POLLINATORS. FOLLOW APPLICATION RESTRICTIONS FOUND IN THE DIRECTIONS FOR USE TO PROTECT POLLINATORS.



Look for the bee hazard icon  in the Directions for Use for each application site for specific use restrictions and instructions to protect bees and other insect pollinators.

This product can kill bees and other insect pollinators.

Bees and other insect pollinators will forage on plants when they flower, shed pollen, or produce nectar.

Bees and other insect pollinators can be exposed to this pesticide from:

- o Direct contact during foliar applications, or contact with residues on plant surfaces after foliar applications
- o Ingestion of residues in nectar and pollen when the pesticide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:

- o Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- o Minimize drift of this product on to beehives or to off-site pollinator attractive habitat. Drift of this product onto beehives or off-site to pollinator attractive habitat can result in bee kills.

Information on protecting bees and other insect pollinators may be found at the Pesticide Environmental Stewardship website at: <http://pesticidestewardship.org/PollinatorProtection/Pages/default.aspx>.

Pesticide incidents (for example, bee kills) should immediately be reported to the state/tribal lead agency. For contact information for your state, go to: www.aapco.org/officials.html. Pesticide incidents should also be reported to the National Pesticide Information Center at: www.npic.orst.edu or directly to EPA at: beekill@epa.gov

DIRECTIONS FOR USE

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

See individual sites for specific pollinator protection application restrictions. If none exist under the specific site, for outdoor foliar applications, follow these application directions.

- Do not apply Xytect™ 2F Insecticide while bees are foraging.
- Do not apply Xytect™ 2F Insecticide to plants that are flowering.
- Only apply after all flower petals have fallen off.

RESTRICTION: Do not formulate this product into other end-use products.

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STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food, and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

Handle and open container in a manner as to prevent spillage. If the container is leaking or material spilled for any reason or cause, care-fully sweep material into a pile. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Dispose of pesticide as directed below. In spill or leak incidents, keep unauthorized people away. You may contact Chemtrec at 800-424-9300 for decontamination procedures or any other assistance that may be necessary.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Non-refillable containers (1, 2.5, 30 & 55 gallon): Do not reuse or refill this container. Triple rinse or pressure rinse container (or equivalent) promptly after emptying. Offer for recycling, if available or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

(non-refillable ≤5 gallons): Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use for disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

APPLICATION TO TURFGRASS

Xytect™ 2F Insecticide will control the following soil inhabiting pests and larvae found in turfgrass

PEST	SCIENTIFIC NAME
Northern & Southern masked chafers	<i>Cyclocephala borealis</i> , <i>C. immaculata</i> , and/or <i>C. lurida</i>
Asiatic garden beetle	<i>Maladera castanea</i>
European chafer	<i>Rhizotoxus majalis</i>
Green June beetle	<i>Cotinis nitida</i>
May or June beetle	<i>Phyllophaga spp.</i>
Japanese beetle	<i>Popillia japonica</i>
Oriental beetle	<i>Anomala orientalis</i>
Billbugs	<i>Spherophorus spp.</i>
Annual bluegrass weevil	<i>Hyperodes spp.</i>
Black turfgrass ateniuis	<i>Ateniuis spretulius</i> and <i>Aphodius spp</i>
European Crane Fly	<i>Tipula paludosa</i>
Mole crickets	<i>scapteriscus spp.</i>

Xytect™ 2F Insecticide will suppress cutworms and chinch bugs.

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Xytect™ 2F Insecticide can be applied on turfgrass in the following sites:

Home lawns	Multi-family residential complexes	Cemeteries	Athletic fields
Business and office complexes	Golf courses	Parks	
Shopping complexes	Airports	Playgrounds	

Xytect™ 2F Insecticide has adequate residual activity that applications can be made preceding the egg laying activity of the target pests. Best control is achieved when applications are made prior to egg hatch of the pests and when rainfall or irrigation after application will penetrate vertically in the soil column carrying the active ingredient into the zone where insects are normally located. In order to move the active ingredient through the thatch, irrigate if rainfall does not occur within 24 hours after application.

Apply 1.25 to 1.6 pints per acre (equivalent to 0.46 to 0.6 fl oz per 1000 sq ft). Make application prior to egg hatch of grubs, billbugs, annual bluegrass weevil, and European Crane Fly to maximize control.

For chinch bugs (suppression) and mole crickets apply 1.6 pints per acre (equivalent to 0.6 fl oz per 1000 sq ft). For suppression of chinchbugs, make application before the hatching of the first instar nymphs.

For control of mole crickets make application before or during the peak egg hatch period. If adults or large nymphs are actively tunneling, combine applications of Xytect™ 2F Insecticide with a remedial insecticide. Follow label instructions for other insecticides when tank-mixing.

Consult your local turf, state Agricultural Experiment Station, or State Extension Service Specialists for more specific information regarding timing of application.

Application Equipment for Use on Turfgrass

Dilute Xytect™ 2F Insecticide with enough water to provide adequate volume to promote thorough distribution into the pest zone. Use only accurately calibrated equipment for application to turfgrass. Apply a uniform, coarse droplet spray, using a low pressure setting to eliminate off target drift. Perform calibration on a regular basis to ensure that equipment is distributing product properly.

RESTRICTIONS FOR TURFGRASS USE:

- Do not exceed a total of 1.6 pints application (0.4 lb of active ingredient) per acre per year.
- Do not allow this product to contact plants in bloom if bees are foraging in the treatment area.
- Do not mow turf or lawn area, until after adequate irrigation or rainfall has occurred.
- Keep people and pets off treated area until dry.
- Not for use on grasses grown for seed, or on commercial fruit and nut trees.
- Do not graze treated areas or use clippings from treated areas for feed or forage.
- Do not apply through any irrigation system
- Do not apply to areas which are water logged or saturated, which will not allow penetration into the root zone of the plant.

APPLICATION TO ORNAMENTALS

Xytect™ 2F Insecticide can be applied to ornamental plants in commercial and residential landscapes and interior plantscapes. Xytect™ 2F Insecticide is a systemic insecticide that is transported within the plant system from the roots to upper foliage. Xytect™ 2F Insecticide must be applied into a growing area of the plant that allows absorption of the active ingredient. Adding soluble nitrogen type fertilizers to the spray solution when appropriate can promote the uptake of the active ingredient.

Application can be made by foliar application or soil applications; including soil injection, drenches, and broadcast sprays. Foliar applications offer locally systemic activity against insect pests.

The systemic translocation of active ingredient will be slower when applied to woody plants with soil applications. This delay can take 60 days or longer depending on species and size of plant. To offset this, make applications before anticipated pest infestation.

ANT MANAGEMENT PROGRAMS

Use Xytect™ 2F Insecticide to control aphids, scale insects, mealybugs and other sucking pests on ornamentals with ant populations because it removes honeydew as a food source. To enhance control of ants, supplement with residual sprays, bait placements or other ant control tactics.

Xytect™ 2F Insecticide mixes readily with water and may be used in many types of application equipment. Add a commercial spreader/sticker to promote coverage on hard to wet foliage such as holly, pine, or ivy.

Xytect™ 2F Insecticide is compatible with many commonly used fungicides, miticides, liquid fertilizers, and other insecticides. If applicator has no prior experience with a particular tank mix; check physical compatibility by making a small clear jar test using correct proportions of products to be tank mixed.

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RESTRICTIONS FOR ALL ORNAMENTALS:

- Keep people and pets off treated area until dry.
- Do not apply more than 1.6 pints (0.4 lb of active ingredient) per acre per year.
- Not for use in commercial greenhouses, nurseries, or on grasses grown for seed, or on commercial fruit and nut trees.
- Do not apply through any irrigation system
- Do not apply to areas which are water logged or saturated, which will not allow penetration into the root zone of the plant.
- Do not apply this product, by any application method, to linden, basswood or other *Tilia* species

FOLIAR APPLICATION TO ORNAMENTAL AND NON-BEARING FRUIT & NUT TREES, SHRUBS, EVERGREENS, FLOWERS, FOLIAGE PLANTS, GROUNDCOVERS AND INTERIOR PLANTSCAPES

(Only for Industrial, Commercial Buildings, Residential and Landscaped Planting Areas)

TO CONTROL:

- | | | |
|---|--|--|
| Adelgids | Japanese beetles | Mealybugs |
| Aphids | Lace bugs | Planthoppers |
| Honeylocust Plant Bug | Leaf beetles (Including elm and viburnum leaf beetles) | Psyllids |
| Diptera (Including Rhododendron gall midge, Honeylocust pod gall midge) | Leafhoppers (Including glassy-winged sharpshooter) | Sawfly larvae |
| Froghopper | Leafminers (Including Boxwood leafminer) | Scales (Including Lecanium, Azalea bark, Calico, Cottony Camellia, Cottony maple, Cottony taxus) |
| Galls (Including Hickory stem gall) | | Spittlebugs |

- Spittlebugs
- Thrips (suppression) (Including Flower, Pear and Pine thrips)
- Treehoppers
- Weevils (Including white Pine and Black vine)
- Whiteflies

Apply 1.5 fluid ounces (45mL) per 100 gal of water. Make foliar applications before high pest populations become established. Reapply on an as needed basis.

To control White grub larvae, (such as Japanese beetle larvae, Chafers, Phyllophaga spp. Asiatic garden beetle, Oriental beetle) apply 0.46 to 0.6 fluid ounces (14 to 17 mL) per 1000 sq ft.

Make broadcast applications by mixing specified rate in enough water to uniformly cover the treated area. Do not use less than 2 gallons of water per 1000 sq ft. In order to move the active ingredient through the thatch, irrigate if rainfall does not occur within 24 hours after application.

Refer to use directions specific for FLOWERS and GROUND COVERS concerning additional use directions.

RESTRICTION:

- Do not apply more than 1.6 pints application (0.4 lb of active ingredient) per acre per year.
- Do not apply this product in the state of Oregon, by any application method, to linden, basswood or other *Tilia* species



Technical Support
1-877-272-6747
www.treecarescience.com

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**SOIL APPLICATION TO ORNAMENTAL AND NON-BEARING
FRUIT & NUT TREES, SHRUBS, FLOWERS AND GROUNDCOVERS**

(Only For Industrial, Commercial Buildings, Residential, Landscaped Planting Areas)
(Including State, National, and Private Wooded and Forested Areas)

TO CONTROL:

Adelgids	Japanese beetles	Pine tip moth larvae	Thrips (suppression)
Aphids	Lace bugs	Plant bugs	White grub larvae
Armored scales (suppression)	Leaf beetles (including elm and viburnum leaf beetles)	Psyllids	Whiteflies
Black vine weevil larvae	Leafhoppers (including glassy- winged sharpshooter)	Roundheaded borers (including Asian longhorned beetles)	
Eucalyptus longhorned borer	Leafminers	Royal Palm Bugs	
Flatheaded borers (including bronze, alder and emerald ash borers)	Mealybugs	Sawfly larvae	
		Soft scales	

For TREES –

Use the following rates as a function of tree diameter at breast height (DBH):

Apply 0.1 - 0.4 fl oz per inch of trunk diameter (DBH). You may use the higher rate (0.3 - 0.4 fl oz) only for trees greater than 15 DBH to control the following pests:

Asian longhorned beetle
Emerald Ash Borer
Eucalyptus longhorned borer
Bronze birch borer
Alder borer

RESTRICTION:

- Do not apply more than 25.6 fl oz (0.4 lb of active ingredient) per acre per year.

Diameter at Breast Height (D.B.H.) = is measured at 4.5 feet from the ground.

APPLICATION TECHNIQUE:**SOIL INJECTION:**

Mix required dosage in sufficient water to inject an equal amount of solution in each hole. For concentrate injectors mix required dose with up to 1 gallon of water per DBH inch. Maintain a low pressure and use sufficient solution for distribution of the liquid into treatment zone. Dilution rate may vary depending on equipment used, tree size and application rate. Refer to the instructions for injector equipment being used for guidance.

- GRID SYSTEM:** Make applications in a grid pattern on 2.5 foot centers within the drip line of the tree.
- CIRCLE SYSTEM:** Make applications in holes evenly spaced approximately 2 – 3 feet apart in a circle within the drip line of the tree. Larger trees may require additional application circles.
- BASAL SYSTEM:** Make applications into holes evenly spaced around the base of the tree trunk no more than 6 to 12 Inches out from the base.

SOIL DRENCH:

Uniformly apply the dosage in no less than 10 gallons of water per 1000 square feet as a drench around the base of the tree, directed to the root zone. Any plastic or other barrier that may prevent drench solution from reaching the root zone must be removed.

FOR ALL APPLICATION TECHNIQUES:

- Inject an equal amount of water and solution in each hole.
- Use low pressure and sufficient solution for thorough distribution into the treatment zone.
- Maintain soil moisture for 7 to 10 days.
- Application to trees already heavily infested with borers listed may not prevent the eventual loss of the trees.

RESTRICTIONS FOR TREES:

- Do not use less than 4 holes per tree.
- No Soil Injection Applications Allowed In Nassau or Suffolk Counties of New York.
- Do not apply more than 25.6 fl oz (0.4 lb of active ingredient) per acre per year.
- Do not apply this product in the state of Oregon, by any application method, to linden, basswood or other *Tilia* species

For SHRUBS –

Apply 0.1 to 0.2 fl oz (3 to 6 mL) per foot of shrub height.

APPLICATION TECHNIQUES:**SOIL INJECTION:**

Apply to individual plants using dosage indicated.

SOIL DRENCH:

Uniformly apply the dosage in no less than 10 gallons of water per 1000 square feet as a drench around the base of the tree, directed to the root zone. Remove plastic or any other barrier that will stop solution from reaching the root zone.

- Mix required dosage in sufficient water to inject an equal amount of solution in each hole.
- Maintain a low pressure and use sufficient solution for distribution of the liquid into the treatment zone.
- Maintain soil moisture for 7 to 10 days.

RESTRICTIONS FOR SHRUBS:

- Do not use less than 4 holes per shrub.
- No Soil Injection Applications Allowed In Nassau or Suffolk Counties of New York.
- Do not apply more than 25.6 fl oz (0.4 lb of active ingredient) per acre per year.

For FLOWERS and GROUNDCOVERS –

Apply 0.46 to 0.6 fluid ounces (14 to 17 mL) per 1000 sq ft.

Apply as a broadcast treatment and incorporate into the soil before planting or apply after plants are established. If application is made to established plants, irrigate after application.

**POME FRUITS (For Residential Areas Only)**

Includes: Apple, Crabapple, Loquat, Mayhaw, Pear, Pear (oriental), Quince

TO CONTROL:

Aphids (except Woolly apple aphid)

Leafhoppers (including glassy-winged sharpshooter)

Leafminer
Mealybugs

San Jose Scale

Apply 1.5 fluid ounces (45 mL) per 100 gal

OR

6.0 fluid ounces per acre as foliar spray as needed after petal-fall is complete.

- For control of rosy apple aphid, apply prior to leafrolling caused by the pest.
- For first generation leafminer control, make first application as soon as petal fall is complete. Greatest leafminer control will result from the earliest possible application. For second and succeeding generations of leafminer, optimal control is obtained from applications made early in the adult flight against egg and early instar larvae. A second application may be required 10 days later if severe pressure continues or if generations are overlapping. A single application may result in suppression only. Xytect™ 2F Insecticide will not control late stage larvae.
- For San Jose Scale, time applications to the crawler stage. Treat each generation.
- For late season (preharvest) control of leafhopper species, apply Xytect™ 2F Insecticide while most leafhoppers are in the nymphal stage.
- For optimal control of mealybug, insure good spray coverage of the trunk and scaffolding limbs or other resting sites of the mealybug.

RESTRICTIONS FOR RESIDENTIAL POME FRUITS:

- Do not apply more than 6.0 fluid ounces per acre in a single application.
- Do not make more than 4 applications per year.
- Allow 10 or more days between applications.
- Allow at least 7 days between last application and harvest.
- Not for use in California for control on pears.
- Do not apply pre-bloom or during bloom or when bees are foraging the treatment area.



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TO CONTROL:

Yellow pecan
Pecan spittle

Apply 1.5 fl oz
OR

6.0 fl oz/A¹

Make a second application at specified

RESTRICTIONS:

- Do not apply
- Use on pecan
- Do not apply
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- Do not apply

¹The amount of 4C Insecticide

TO CONTROL:

Leafhopper
Mealybugs

Apply 1.5 fl oz
OR

3.0 fl oz/A¹

RESTRICTIONS:

- Do not apply
- Allow at least
- Apply at



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Citrus and other
(around pecan)

TO CONTROL:

Aphids
Asian citrus



PECAN (For Residential Areas Only)

TO CONTROL:

Yellow pecan aphid
Pecan spittlebug

Black margined aphid
Pecan stem phylloxera

Pecan leaf phylloxera

Apply 1.5 fl oz (45 ml) per 100 gal
OR

6.0 fl oz/A¹ as a foliar application as pest pressure begins to increase.

Make a second application 10 to 14 days after first if field scouting reveals continued pest pressure. Use of an organosilicone based spray adjuvant at specified rate can insure thorough coverage of foliage.

RESTRICTIONS FOR RESIDENTIAL PECAN TREES:

- Do not apply more than a total of 18.0 fluid ounces per acre per year.
- Use on pecans not permitted in California unless directed by state 24(c) labeling.
- Do not make more than 3 applications per year.
- Allow 10 or more days between applications.
- Allow at least 7 days between last application and harvest.
- Do not apply pre-bloom or during bloom or when bees are foraging the treatment area.

¹The amount of Xytect™ 2F Insecticide required per acre may vary and depends on tree size or volume of foliage. The rates given are based on a standard of 400 gallons of dilute spray solutions per acre for large trees with full foliage. DO NOT apply more than 18 fluid ounces of Xytect™ 2F Insecticide per acre per year.

GRAPES

(For Use Only For Industrial, Commercial Buildings and Residential Planting Areas)

TO CONTROL:

Leafhoppers (including glassy-winged sharpshooter)
Mealybugs

Apply 1.5 fl oz (45 mL) per 100 gal
OR

3.0 fl oz/A (90 mL/A) as a foliar spray using 200 gallons of water per acre.

RESTRICTIONS FOR GRAPES IN RESIDENTIAL, INDUSTRIAL OR COMMERCIAL BUILDING AREAS:

- Do not apply more than a total of 6.0 ounces of Xytect™ 2F Insecticide per acre per year.
- Allow at least 14 days between applications.
- Applications may be applied up to and including day of harvest.



CITRUS:

Citrus and Citrus hybrids, Orange (sweet and sour), Calamondin, Grapefruit, Kumquat, Lemon, Lime, Pummelo, Tangerine, Tangelo (around perimeter of industrial and commercial buildings and on residential areas)

TO CONTROL:

Aphids
Asian citrus psyllid

Black fly
Citrus leafminer

Leafhoppers/Sharpshooters
Mealybugs

Scales
Whiteflies

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TO CONT

Aphids
Avocado L

Apply 1.5
OR

6.0 fl. oz./A

REMARKS
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- Do not :
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- Do not :
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Apply 1.5 fl. oz. (45 ml) Per 100 gallons of water

OR

6.0 fl. oz./A¹

Apply specified dosage to foliar spray as needed after petal-fall is complete.

REMARKS:

For first generation leafminer control, make first application as soon as petal-fall is complete. Greatest leafminer control will result from the earliest possible application. For second and succeeding generations of leafminer, optimal control is obtained from applications made early in the adult flight against egg and early instar larvae. A second application may be required 10 days later if severe pressure continues or if generations are overlapping.

For late season (preharvest) control of leafhopper species, apply this product while most leafhoppers are in the nymphal stage.

For control of mealybugs, insure good spray coverage of the trunk and scaffolding limbs or other resting sites of the mealybugs.

¹The amount of this product required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees.

RESTRICTIONS FOR CITRUS IN RESIDENTIAL, INDUSTRIAL OR COMMERCIAL BUILDING AREAS:

- Do not apply more than a total of 6.0 ounces of this product per acre per year.
- Do not make more than 5 applications per year.
- Allow 10 or more days between applications. Allow at least 7 days between last application and harvest.
- Do not apply through any irrigation system.
- Do not apply pre-bloom or during bloom or when bees are actively foraging.



AVOCADO:

(around perimeter of industrial and commercial buildings and on residential areas)

TO CONTROL:

Aphids

Leafhoppers

Avocado Lacebug

Apply 1.5 fl. oz. (45 ml) Per 100 gallons of water

OR

6.0 fl. oz./A¹

REMARKS:

¹The amount of this product required per acre will depend on tree size and volume of foliage present. The rate per acre is based on a standard of 400 gallons of dilute spray solution per acre for large trees

RESTRICTIONS FOR AVOCADOS IN RESIDENTIAL, INDUSTRIAL OR COMMERCIAL BUILDING AREAS:

- Do not apply more than a total of 6.0 ounces of this product per acre per year.
- Allow at least 14 days between applications
- Allow at least 7 days between application and harvest
- Do not apply through any irrigation system.
- Do not apply pre-bloom or during bloom or when bees are actively foraging.

The DIRECT must be foli or other unii application, TO THE EXT RAINBOW chemical de above. TO SUPPLEMEN MERCHANT WARRANTY RESULTS FR TO THE EXT SCIENTIFIC INJURIES RI LIABILITY IN THE PURCH WITH APPLI contract, ne remedy stat ADVANCEM RESULTING Distributors, varied only I No employe exceed the

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CONDITIONS OF SALE AND WARRANTY

The DIRECTIONS FOR USE of this product reflect the opinion of experts based on field use and tests. The directions are believed to be reliable and must be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS, its Supplemental Distributors, or the Seller. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, All such risks shall be assumed by the Buyer.

RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS, its Supplemental Distributors and the Seller warrant that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use subject to the inherent risks referred to above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, NEITHER RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS NOR ITS SUPPLEMENTAL DISTRIBUTORS MAKE ANY OTHER EXPRESS OR IMPLIED WARRANTY OF FITNESS FOR ANY PARTICULAR PURPOSE OR OF MERCHANTABILITY OR ANY OTHER EXPRESS OR IMPLIED WARRANTY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S EXCLUSIVE REMEDY AND THE EXCLUSIVE LIABILITY OF RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS, ITS SUPPLEMENTAL DISTRIBUTORS AND THE SELLER FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, When Buyer suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), Buyer must promptly notify Seller in writing of any claims to be eligible to receive either remedy stated above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS, ITS SUPPLEMENTAL DISTRIBUTORS, OR THE SELLER BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS, its Supplemental Distributors, and the Seller offer this product, and the Buyer accepts it, subject to the foregoing Conditions of Sale and Warranty, which may be varied only by agreement in writing signed by a duly authorized representative of RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS.

No employee or agent of RAINBOW TREECARE SCIENTIFIC ADVANCEMENTS, its Supplemental Distributor, or the Seller is authorized to vary or exceed the terms of this Warranty in any other manner.



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Net Contents:
1 gallon
128 fl oz (3.78 L)

Xytect™ 2F

Insecticide

For foliar and systemic insect control in turfgrass, landscape ornamentals, listed residential fruit and nut trees and interior plantscapes.

KEEP OUT OF REACH OF CHILDREN.
CAUTION

See additional precautionary statements and directions for use inside booklet. **STOP** – Read the label before use.

**SHAKE WELL
BEFORE USING**

ACTIVE INGREDIENT:

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine 21.4%

OTHER INGREDIENTS: 78.6%

TOTAL: 100.0%

Contains 2 pounds of imidacloprid per gallon.

EPA Reg. No. 42750-115-74779

EPA Est. No. 42750-MO-1

PRECAUCION AL USUARIO: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)

AD010814



PROOF

THIS PROOF IS TO BE CHECKED FOR ACCURACY

Please review and approve **Text, Spelling, Copy Placement, Size, Shape, Colors** and **Dieline**.

Authorized signature accepts responsibility for accuracy of all copy, color break and artwork. Cimarron Label is not liable for any discrepancies subsequently identified.

PLEASE NOTE: Due to color variance between printers/monitors, the colors represented by this proof cannot be deemed accurate. Please refer to a color matching system such as the Pantone Matching System for a truer representation of spot colors.










THIS PROOF IS NOT ACCURATE FOR COLOR-MATCH.

Dieline does not print.



Experts in Extended Text Labeling

4201 North Westport Ave. • Sioux Falls, SD 57107
 Phone: (605) 978-0451 • Fax: (605) 978-0463

DATE	JOB NUMBER	CUSTOMER
7/20/17	130021	RAINBOW TREECARE
LABEL SIZE	LEAFLET FOLDED SIZE	LEAFLET FLAT SIZE
5.0" X 6.0"	5.0" X 5.25"	5.0" X 31.125"
LABEL COLORS	LEAFLET "OUT" COLORS	LEAFLET "IN" COLORS
 BLK	 BLK  CYAN  MAG  YELLOW	 BLK  CYAN  MAG  YELLOW
PATTERN VARNISH: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		

Form: CS 006L - 11/8/2011

ARTWORK IS APPROVED

REVISED PROOF NEEDED

WE CANNOT PROCESS THIS ORDER WITHOUT AN AUTHORIZED SIGNATURE

Signed _____ Date _____