

# Xytect™ 2F

## Insecticide

For foliar and systemic insect control in turfgrass (including sod farms), landscape ornamentals, listed 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. 63416-MN-001

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglés, 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 (3.63 kg)



Distributed By:  
Rainbow Treecare  
Scientific Advancements  
11571 K-Tel Drive  
Minnetonka, MN 55343  
**1-877-272-6747**  
[www.treecarescience.com](http://www.treecarescience.com)

Classified for  
“RESTRICTED USE”  
in New York State  
under 6NYCRR Part 326

ACCEPTED  
FOR REGISTRATION

Sept. 22, 2010

New York State Department  
of Environmental Conservation  
Division of Solid & Hazardous Materials  
Pesticide Product Registration

PULL HERE TO OPEN

PF-26185-2

## PROOF

### THIS PROOF IS TO BE CHECKED FOR ACCURACY

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

#### WE CANNOT PROCESS THIS ORDER WITHOUT AN AUTHORIZED SIGNATURE

ARTWORK IS APPROVED

REVISED PROOF NEEDED

Signed \_\_\_\_\_

Date \_\_\_\_\_

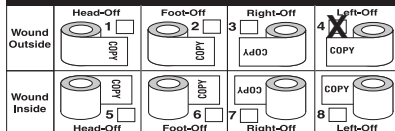
Please Return To: \_\_\_\_\_



4201 North Westport Avenue, Sioux Falls, South Dakota 57107  
Phone: (605) 978-0451 • Fax: (605) 978-0463

Please indicate the correct unwind position

#### Unwind Positions



PROOF DATE: 9/21/10

CUSTOMER: RAINBOW TREECARE SERVICE

JOB NUMBER: 49505

LABEL SIZE: 5.0" x 6.0"

LEAFLET FLAT SIZE: 5.0" x 25.937"

LEAFLET FOLDED SIZE: 5.0" x 5.25"

LABEL COLORS: BLACK

PATTERN VARNISH

LEAFLET "IN" COLORS: BLACK

LEAFLET "OUT" COLORS: YE MA CY BL

dieline does not print

## 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.
- Do not give anything by mouth to an unconscious person.

### IF ON SKIN OR CLOTHING

- 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

- 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.

**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.

**Note to Physician:** No specific antidote is available. Treat the patient symptomatically.

## 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, 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.

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**ENGINEERING CONTROLS STATEMENTS:**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

**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 or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting 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.

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

**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.

**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, carefully 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 DISPOSAL:** 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 ¼ 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 or 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.

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**PEST**

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## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep children and pets off treated area until dry.

## AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

Exception: If the product is applied by drenching, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is:

1. Coveralls
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

## 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 Asiatic garden beetle European chafer Green June beetle May or June beetle Japanese beetle Oriental beetle Billbugs Annual bluegrass weevil Black turfgrass ataenius European Crane Fly Mole crickets	<i>Cyclocephala borealis</i> , <i>C. immaculata</i> , and/or <i>C. lurida</i> <i>Maladera castanea</i> <i>Rhizotroqus majalis</i> <i>Cotinis nitida</i> <i>Phyllophaga</i> spp. <i>Popillia japonica</i> <i>Anomala orientalis</i> <i>Spherophorus</i> spp. <i>Hyperodes</i> spp. <i>Ataenius spretulus</i> and <i>Aphodius</i> spp. <i>Tipula paludosa</i> <i>Scapteriscus</i> spp.
Xytect™ 2F Insecticide will suppress cutworms and chinch bugs.	

**Xytect™ 2F In Home lawns, Playgrounds, A**

Xytect™ 2F Ins is achieved wh soil column car irrigate if rainfa

Apply 1.25 to 1 weevil, and Eu

For chinch bug application bef

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**RESTRICTION**

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**APPLICATION**  
Xytect™ 2F Ins is a systemic ins ing area of the promote the up Application car locally systemic The systemic tr depending on

**RESTRICTION**

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

Home lawns, Business and office complexes, Shopping complexes, Multi-family residential complexes, Golf courses, Airports, Cemeteries, Parks, Playgrounds, Athletic fields, Sod farms\*.

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 mow turf or lawn area, until after adequate irrigation or rainfall has occurred.
- Do not apply when infested turfgrass areas are waterlogged or soil beneath turf is saturated with water. These conditions prevent thorough and consistent distribution.
- \* Do not use in Arizona unless otherwise directed by supplemental labeling.

**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.

**RESTRICTION:** For outdoor ornamentals, applications cannot exceed a total of 1.6 pints (0.4 lb of active ingredient) per acre per year.

**SOIL A**

(Only for Instruct

**PEST**

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Aphids  
Armored scale  
Black vine wee  
Eucalyptus lon  
Flatheaded bo  
(including br  
emerald ash  
Japanese beet  
Lace bugs  
Leaf beetles  
(including elm  
Leafhoppers  
(including gl  
Leafminers

**Application To  
Soil Injection**

Mix required dos:  
1 gallon of water  
may vary depend

**GRID SYSTEM:****CIRCLE SYSTEM**

may require addit

**BASAL SYSTEM:****Soil Drench**

Uniformly apply t  
Any plastic or oth

## SOIL APPLICATION TO NON-BEARING FRUIT & NUT TREES, SHRUBS, FLOWERS AND GROUND COVERS

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

PEST	RATE
Adelgids Aphids Armored scales (suppression) Black vine weevil larvae Eucalyptus longhorned borer Flatheaded borers (including bronze birch, alder, and emerald ash borer) Japanese beetles Lace bugs Leaf beetles (including elm and viburnum leaf beetles) Leafhoppers (including glassywinged sharpshooter) Leafminers	<b>For TREES</b> – Use the following rates as a function of tree diameter at breast height (DBH): Apply 0.1 to 0.4 fl oz (3 to 12 ml) per inch of trunk diameter (DBH). Use the higher rate (0.3 - 0.4 fl oz) for trees greater than 15 DBH to control the following pests: Asian longhorned beetle, Emerald Ash Borer, Eucalyptus longhorned borer, Bronze birch borer, and Alder borer.  <b>For SHRUBS</b> – Apply 0.1 to 0.2 fl oz (3 to 6 mL) per foot of shrub height.  <b>Restriction:</b> – Do not apply more than 25.6 fl oz (0.4 lb of active ingredient) per acre per year. Diameter at Breast Height (DBH) = is measured at 4.5 feet from the ground.
Mealybugs Pine tip moth larvae Plant bugs Psyllids Roundheaded borers (including Asian Longhorned beetles) Royal Palm Bugs Sawfly larvae Soft scales Thrips (suppression) White grub larvae Whiteflies	

### Application Techniques: TREES

#### 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 to 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 1,000 sq. ft. 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.



Technical Support  
**1-877-272-6747**  
[www.treecarescience.com](http://www.treecarescience.com)

**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.

**Application Techniques: SHRUBS****Soil Injection:**

Apply to individual plants using dosage indicated.

**Soil Drench:**

Uniformly apply the dosage in no less than 10 gallons of water per 1,000 sq. ft. 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.

**APPLICATION EQUIPMENT FOR FOLIAR APPLICATIONS**

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.

**RESTRICTIONS**

- Keep children and pets off treated area until dry.
- Do not apply more than 1.6 pt (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 graze treated areas or use clippings from treated areas for feed or forage.
- Do not apply through any irrigation system.
- Do not allow puddling of irrigation water following application.
- Do not apply Xytect™ 2F Insecticide to areas which are water logged or saturated, which will not allow penetration into the root zone of the plant.
- Treated areas may be replanted with any crop specified on an imidacloprid label, or with any crop for which a tolerance exists for the active ingredient.
- For crops not listed on an imidacloprid label, or for crops for which no tolerances for the active ingredient have been established, a 12-month plant-back interval is required.

**FOLIA  
EVE****PEST**

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Lace bugs  
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Leafminers  
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**RESTRICTION****PEST**

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

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

PEST	RATE
Adelgids Aphids Honeylocust Plant Bug Diptera (Including Rhododendron gall midge, Honeylocust pod gall midge) Froghopper Galls (Including Hickory stem gall) Japanese beetles Lace bugs Leaf beetles (Including elm and viburnum leaf beetles) Leafhoppers (Including glassy-winged sharpshooter) Leafminers (Including Boxwood leafminer)	Mealybugs Planthoppers Psyllids Sawfly larvae Scales (Including Lecanium, Azalea bark, Calico, Cottony Camellia, Cottony maple, Cottony taxus) 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.	
For FLOWERS and GROUNDCOVERS – Apply 0.46 to 0.6 fluid ounces (14 to 17 mL) per 1000 sq ft.	
To control White grub larvae (such as Japanese beetle larvae, Chafers, <i>Phyllophaga spp.</i> , Asiatic garden beetle, Oriental beetle), apply 0.46 to 0.6 fl oz (14 to 17 mL) per 1,000 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 1,000 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.

### Application Techniques: FLOWERS and GROUNDCOVERS

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.

**RESTRICTION:** Do not apply more than 1.6 pints application (0.4 lb of active ingredient) per acre per year.

## PECAN

(For Residential Areas Only)

PEST	RATE
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/A <sup>1</sup> 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.

### RESTRICTION

- Do not apply
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- <sup>1</sup> The amount c based on a st fluid ounces c

### PEST

Leafhoppers (Mealybugs)

### RESTRICTION

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- Allow at least
- Applications

### PEST

Aphids (excl Leafhoppers Leafminer Mealybugs San Jose Sc

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### RESTRICTION

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**RESTRICTIONS FOR RESIDENTIAL PECAN TREES:**

- Do not apply more than a total of 18.0 fluid ounces of Xytect™ 2F Insecticide per acre per year.
- Do not make more than 3 applications per year.
- Allow 10 or more days between applications.
- Do not use on pecans in California unless directed by specific supplemental labeling.

<sup>1</sup> The 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.

Use Xytect™ 2F because it removes control tactics

GRAPES	
(For Use Only For Industrial, Commercial Buildings and Residential Planting Areas)	
PEST	RATE
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.

The DIRECTIONS must be followed on the label and is other unintended application, all of which EXTENT CONSIST

Rainbow Treecare on the label and is CONSISTENT WITH MAKE ANY OTHER EXPRESS OR IMPLIED BUYER SHALL BE SNER WHICH IS IN REMEDY AND THE SELLER FOR ANY, OR NOT BASED IN TO REPLACEMENT ARE CLAIMED. TC this product (including claims to be eligible TREECARE SCIENCE INDIRECT DAMAGE Supplemental Distribution may be varied only

No employee or agent exceed the terms of

**RESTRICTIONS FOR RESIDENTIAL GRAPES:**

- 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.

POME FRUITS	
(For Residential Areas Only) includes: Apple, Crabapple, Loquat, Mayhaw, Pear, Pear (Oriental), Quince	
PEST	RATE
Aphids (except Woolly apple aphid) Leafhoppers (including glassy-winged sharpshooter) Leafminer Mealybugs San Jose Scale	Apply 1.5 fl oz (45 ml) per 100 gal OR 6.0 fl oz 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 acre 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.

Rainbow

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Xytect is a trademark

## ANT MANAGEMENT PROGRAMS

Use Xytext™ 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.

## 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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For foliar  
scape

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Imidacloprid  
OTHER ING  
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AD070110

Job #49505



Net Contents:  
**1 gallon**  
128 fl oz (3.63 kg)

# Xytect™ 2F

## Insecticide

For foliar and systemic insect control in turfgrass (including sod farms), landscape ornamentals, listed 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. 63416-MN-001

**PRECAUCION AL USUARIO:** Si usted no puede leer o entender inglés, 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.)

AD070110

