Xytect™ 75WSP Insecticide

For foliar and systemic insect control in turfgrass (including sod farms), landscape ornamentals, listed fruit and nut trees and interior plantscapes.

ACTIVE INGREDIENT:
Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine ........................................ 75.0%
OTHER INGREDIENTS: ........................................... 25.0%
TOTAL: .................................................................... 100.0%

Keep water-soluble packets in this container and store in a cool dry place but not below freezing (32°F).

EPA Reg. No. 42750-117-74779     EPA Est. No. 65387-AR-002

Do not remove packets from container except for immediate use.

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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Xytect is a trademark of Rainbow Treecare Scientific Advancements

CONTAINS 22 packets
EACH CONTAINING 1.6 OZ
NET CONTENTS 2.2 LB

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

STOP -
Read the label before use.

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

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**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, and 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.

**USER SAFETY RECOMMENDATIONS**

**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 vinyl
3. Shoes plus socks

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

**ENGINEERING CONTROLS STATEMENTS:**
When handlers use closed systems, enclosed cabs, or air- craft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesti- cides [40 CFR 170.240(d)(4-6)], the handler PPE require- ments may be reduced or modified as specified in the WPS.

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed or absorbed through skin. Causes eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing dust or vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse. Keep children or pets off treated area until spray is dry.

**ENVIRONMENTAL HAZARDS**

This product is highly toxic to aquatic invertebrates. Do not apply directly to water, or to areas where surface water is pres- ent 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, 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.

**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.

**PROTECTIVE MEASURES**

**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 require- ments specific to your State or Tribe, consult the agency respon- sible for pesticide regulation.

**PROTECTION OF POLLINATORS**

**(Continued)**

Bees and other insect pollinators can be exposed to this pes- ticide from:
- Direct contact during folic applications, or contact with residues on plant surfaces after foliar applications
- Ingestion of residues in nectar and pollen when the pesti- cide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

When Using This Product Take Steps To:
- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
- Minimize drift of this product on to bee hives or to off-site pollinator attractive habitat. Drift of this product onto bee- hives 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/national lead agency. For contact information for your state, go to: www.aapc.gov/officals.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.

**APPLICATION RESTRICTIONS FOR EACH USE**

**USER SAFETY RECOMMENDATIONS**

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

**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 require- ments specific to your State or Tribe, consult the agency respon- sible for pesticide regulation.

**PROTECTION OF POLLINATORS**

**(Continued)**

Bees and other insect pollinators can be exposed to this pes- ticide from:
- Direct contact during folic applications, or contact with residues on plant surfaces after foliar applications
- Ingestion of residues in nectar and pollen when the pesti- cide is applied as a seed treatment, soil, tree injection, as well as foliar applications.

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- Minimize exposure of this product to bees and other insect pollinators when they are foraging on pollinator attractive plants around the application site.
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Pesticide incidents (for example, bee kills) should immediately be reported to the state/national lead agency. For contact information for your state, go to: www.aapc.gov/officals.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.
**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 restrictions and exceptions pertaining to the statements on this label about PPE.

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

<table>
<thead>
<tr>
<th>PPE required for entry into treated areas that is permitted under the Worker Protection Standard</th>
<th>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</th>
<th>Shoes plus socks</th>
</tr>
</thead>
</table>

**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 protect agricultural workers on farms, forests, nurseries, or greenhouses. 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. Keep children and pets off treated area until dry.

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

**APPLICATION TO TURFGRASS**

Xytect™ 75WSP Insecticide will control the following soil-inhibiting pests found in turfgrass.

<table>
<thead>
<tr>
<th>PEST</th>
<th>SCIENTIFIC NAME</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern &amp; Southern masked chafers</td>
<td>Cytoccephala borealis, C. immaculata, and/or C. lurida</td>
</tr>
<tr>
<td>Asian garden beetle</td>
<td>Malaria castanea</td>
</tr>
<tr>
<td>European chafer</td>
<td>Rhizotrogus majalis</td>
</tr>
<tr>
<td>Green June beetle</td>
<td>Copris nixa</td>
</tr>
<tr>
<td>May or June beetle</td>
<td>Phylophaga spp.</td>
</tr>
<tr>
<td>Japanese beetle</td>
<td>Anomala orientalis</td>
</tr>
<tr>
<td>Oriental beetle</td>
<td>Sphenophorus spp.</td>
</tr>
<tr>
<td>Billbugs</td>
<td>Hyperoder spp.</td>
</tr>
<tr>
<td>Annual bluegrass weevil</td>
<td>Attaenius spretulus and Aphodius spp.</td>
</tr>
<tr>
<td>Black turfgrass atenuis</td>
<td>Tipula paludosa</td>
</tr>
<tr>
<td>European Crane Fly</td>
<td>Scapteriscus spp.</td>
</tr>
</tbody>
</table>

Xytect™ 75WSP Insecticide will suppress cutworms and chinch bugs.
Xytect™ 75WSP 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, Sad farms.

Xytect™ 75WSP 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 1.6 ounces (1 packet per 8,250 to 11,000 sq ft). Make broadcast applications before or during the peak egg hatch period. If adults or large nymphs are actively tunneling, combine applications of Xytect™ 75WSP 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:
• Do not exceed a total of 8.6 ounces 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.
• Do not use on grasses grown for seed, or on commercial fruit and nut trees.
• Do not apply through any irrigation system or rainfall has occurred.
• Do not graze treated areas or use clippings from treated areas for feed or forage.
• Do not apply in waterlogged or saturated 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 lawn, basswood or other Tilia species.
• 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 to areas which are water logged or saturated, which will not allow penetration into the root zone of the plant.
• Do not use in commercial greenhouses, nurseries, or on grasses grown for seed, or on commercial fruit and nut trees.
• Do not apply more than 8.6 ounces (0.4 lb of active ingredient) per acre per year.

APPLICATION TO ORNAMENTALS
Xytect™ 75WSP Insecticide can be applied to ornamental plants in commercial and residential landscapes and interior plant complexes. Xytect™ 75WSP Insecticide is a systemic insecticide that is transported within the plant system from the roots to upper foliage. Xytect™ 75WSP 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 listed 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
Using Xytect™ 75WSP Insecticide to control aphids, scale insects, mealybugs and other sucking pests on ornamentals will reduce 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.

APPLICATION EQUIPMENT FOR FOLIAR APPLICATIONS
Xytect™ 75WSP Insecticide mixes readily with water and may be used in many types of application equipment. Add a commercial spreader/stirrer to promote coverage on hard to wet foliage such as holly, pine, or ivy.

Xytect™ 75WSP Insecticide is compatible with many commonly used fungicides, miticides, liquid fertilizers, and other insecticides. If applicator has no prior experience with a particular tank mixing, refer to use direction or rainfall has occurred. Make broadcast applications before or during the peak egg hatch period. If adults or large nymphs are actively tunneling, combine applications of Xytect™ 75WSP 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 ALL ORNAMENTALS:
• Keep people and pets off treated area until dry.
• Do not apply more than 8.6 ounces (0.4 lb of active ingredient) per acre per year.
• Do not apply through any irrigation system or rainfall has occurred.
• 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 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 lawn, basswood or other Tilia species.

APPLICATION EQUIPMENT FOR USE ON TURFGRASS
Dilute Xytect™ 75WSP 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:
• Do not exceed a total of 8.6 ounces 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.
• Do not 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 or rainfall has occurred.
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• Do not apply this product, by any application method, to lawn, basswood or other Tilia species.

APPLICATION TO ORNAMENTALS
Xytect™ 75WSP Insecticide can be applied to ornamental plants in commercial and residential landscapes and interior plant complexes. Xytect™ 75WSP Insecticide is a systemic insecticide that is transported within the plant system from the roots to upper foliage. Xytect™ 75WSP 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 listed 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
Using Xytect™ 75WSP Insecticide to control aphids, scale insects, mealybugs and other sucking pests on ornamentals will reduce 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.

APPLICATION EQUIPMENT FOR FOLIAR APPLICATIONS
Xytect™ 75WSP Insecticide mixes readily with water and may be used in many types of application equipment. Add a commercial spreader/stirrer to promote coverage on hard to wet foliage such as holly, pine, or ivy.

Xytect™ 75WSP Insecticide is compatible with many commonly used fungicides, miticides, liquid fertilizers, and other insecticides. If applicator has no prior experience with a particular tank mixing, refer to use direction or rainfall has occurred. Make broadcast applications before or during the peak egg hatch period. If adults or large nymphs are actively tunneling, combine applications of Xytect™ 75WSP 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:
• Do not exceed a total of 8.6 ounces 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.
• Do not use on grasses grown for seed, or on commercial fruit and nut trees.
• Do not apply through any irrigation system or rainfall has occurred.
• 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 lawn, basswood or other Tilia species.

APPLICATION TO ORNAMENTALS
Xytect™ 75WSP Insecticide can be applied to ornamental plants in commercial and residential landscapes and interior plant complexes. Xytect™ 75WSP Insecticide is a systemic insecticide that is transported within the plant system from the roots to upper foliage. Xytect™ 75WSP 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 listed 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
Using Xytect™ 75WSP Insecticide to control aphids, scale insects, mealybugs and other sucking pests on ornamentals will reduce 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.
FOR 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 Areas)

TO CONTROL:
- Adelgids
- Aphids
- Honeylocust Plant Bug
- Diptera (including Rhododendron gall midge, Honeylocust pod gall midge)
- Froghoppers
- Gall (including Hickory stem gall)
- Japanese beetles
- Lace bugs
- Leaf beetles
- Leafhoppers
- Mealybugs
- Plant hoppers
- Psyllids
- Sawfly larvae
- Scales (including Lecanium, Azalea bark, Calico, Cottony Camellia, Cottony maple, Cottony tassus)
- Spider bugs
- Thrips (suppression) (including Flower, Pear and Pine thrips)
- Tree hoppers
- Weevils (including white Pine and Black vine)
- Whiteflies

Apply 1.6 ounces (1 packet) of Xytect™ 75WSP Insecticide per 300 gallons 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 1.6 ounces (1 packet) per 8,250 to 11,000 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 1000 sq ft. If necessary, irrigate thoroughly to incorporate Xytect™ 75WSP Insecticide into the upper soil profile.

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

RESTRICTIONS:
- Do not apply more than 8.6 ounces (0.4 lb of active ingredient) per acre per year
- Do not apply this product, by any application method, to linden, basswood or other Tilia species

FOR SOIL APPLICATION TO ORNAMENTAL AND NON-BEARING FRUIT & NUT TREES, SHRUBS, FLOWERS AND GROUNDCOVERS
(Only For Industrial, Commercial Buildings, Residential, and Landscaped Planting Areas)

TO CONTROL:
- Adelgids
- Aphids
- Mealybugs
- Armored scales (suppression)
- Black vine weevil larvae
- Eucalyptus longhorned borer
- Flatheaded borers
- Japanese beetles
- Lace bugs
- Leaf beetles
- Leafhoppers
- Mealybugs
- Plant hoppers
- Psyllids
- Sawfly larvae
- Scales (including Lecanium, Azalea bark, Calico, Cottony Camellia, Cottony maple, Cottony tassus)
- Spider bugs
- Thrips (suppression) (including Flower, Pear and Pine thrips)
- Tree hoppers
- Weevils (including white Pine and Black vine)
- Whiteflies
- Leafminers
- Pine tip moth larvae
- Plant bug
- Roundheaded borers
- (including Asian longhorned beetles)
- Royal Palm Bugs
- Sawfly larvae
- Soft scales
- Thrips (suppression)
- White grub larvae
- Whiteflies

For TREES -
Use the following rates as a function of tree diameter at breast height (DBH):
Apply 1.6 ounces (1 packet) of Xytect™ 75WSP Insecticide per 12 to 48 inches of cumulative trunk diameter for tree(s) intended to be treated.

You may use the higher rate only for trees greater than 15 DBH to control the following pests:
- Asian longhorned beetle
- Eucalyptus longhorned borer
- Emerald Ash Borer
- Pine tip moth larvae
- Roundheaded borers
- White grub larvae

To calculate the higher rates divide the cumulative trunk diameter by 12.23 inches.
TO CONTROL:
Apply 1.6 ounce OR 2.1 ounces per a For control o For first gener from the earli cations made severe pressu Insecticidewill For San Jose For late seas the nymphal  For optimal c mealybug.

RESTRICTIONS
 Do not apply Do not make Allow 10 or m Allow at least Not for use in Do not apply 1The amount o based on a sta

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.
BASEL 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
Apply 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 any 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 8.53 oz (0.4 lb of active ingredient) per acre per year.

For SHRUBS
Apply 1.6 ounces (1 packet) of Xytect™ 75WSP Insecticide per 24 to 48 foot of cumulative shrub height.

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.

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 8.53 oz (0.4 lb of active ingredient) per acre per year.

For FLOWERS and GROUNDCOVERS
Apply 1.6 ounces (1 packet) of Xytect™ 75WSP Insecticide per 8,250 to 11,000 sq ft.

Apply as a broadcast treatment and incorporate into the soil before piling or apply after plants are established. If application is made to established plants, best control is achieved by irrigating after application.

RESTRICTIONS:
 Do not apply.
 Do not make.
 Allow 10 or r
 Allow at least.
 Not for use in.
 Do not apply.

EXAMPLES OF HOW TO CALCULATE:
To calculate the lower rate:
• If you have three trees having DBH of 8, 10 & 16 inches, the total cumulative inches of trunk diameter will be 34 inches (8 + 10 + 16 = 34)
 34/48 = .708 x 1.6 fl. oz. (1 packet) = 1.13 oz per tree OR
 34/24 = 1.417 x 1.6 fl. oz. (1 packet) = 2.27 oz per tree
• If you have a single tree with a DBH of 12 inches, the lower rate range will be:
 12/48 = .25 x 1.6 fl. oz (1 packet) = .4 oz per tree OR
 12/24 = .5 x 1.6 fl. oz (1 packet) = .8 oz per tree

To calculate the higher rate:
• If you have three trees having DBH of 15, 20 & 25 inches, the total cumulative inches of trunk diameter will be 60 inches (15 + 20 + 25 = 60)
 60/48 = 1.25 x 1.6 fl. oz (1 packet) = 2.08 oz per tree OR
 60/12 = 5 x 1.6 fl. oz (1 packet) = 8 oz per tree
• If you have a single tree with a DBH of 30 inches, the higher rate range will be:
 30/48 = 0.625 x 1.6 fl. oz. (1 packet) = 0.8 oz per tree OR
 30/12 = 2.5 x 1.6 fl. oz. (1 packet) = 4.0 oz per tree

RESTRICTION: Do not apply more than 8.53 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.
POME FRUITS (For Residential Areas Only)
Includes: Apple, Crabapple, Loquat, Mayhaw, Pear, Pear (oriental), Quince

TO CONTROL:
- Aphids (except Wooly apple aphid)
- Leafhoppers (including glassy-winged sharpshooter)
- Leafminer

Apply 1.6 ounces (1 packet) per 300 gallons of water OR 2.1 ounces per acre as a foliar spray 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™ 75WSP 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™ 75WSP 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 2.1 ounces per acre in a single application.
- Do not apply more than 4 applications per year.
- Allow 10 or more days between applications.
- Not for use in California for control on pears.
- Do not apply pre-bloom or during bloom or when bees are foraging.

PECAN (For Residential Areas Only)

TO CONTROL:
- Yellow pecan aphid
- Pecan spittlebug
- Black margined aphid
- Pecan stem phylloxera
- Pecan leaf phylloxera

Apply 1.6 ounces (1 packet) per 300 gallons OR 2.1 ounces per acre 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 6.3 ounces of Xytect™ 75WSP Insecticide per acre per year.
- Use on pecans not permitted in California unless directed by specific supplemental labeling.
- Do not make more than 3 applications per year.
- Allow 10 or more days between applications.
- Do not apply pre-bloom or during bloom or when bees are foraging.

The amount of Xytect™ 75WSP 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 6.3 fluid ounces of Xytect™ 75WSP Insecticide per acre per year.
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 OF FITNESS FOR ANY PARTICULAR PURPOSE OR OF MERCHANTABILITY. 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.

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TO CONTROL:

Leafhoppers (including glassy-winged sharpshooter)  
Mealybugs

Apply 1.6 ounces (1 packet) per 300 gallons of water  
OR

1.0 ounces per acre as a foliar spray using 200 gallons of water per acre.

RESTRICTIONS FOR RESIDENTIAL GRAPES:

• Do not apply more than a total of 2.0 ounces of Xytect™ 75WSP Insecticide per acre per year.
• Allow at least 14 days between applications.
• Applications may be applied up to and including day of harvest.

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For foliar and systemic insect control in turfgrass (including sod farms), landscape ornamentals, listed fruit and nut trees and interior plantscapes.

CONTAINS 22 packets EACH CONTAINING 1.6 OZ NET CONTENTS 2.2 LB

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.

ACTIVE INGREDIENT:
Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine . . . . . . . . . . . . . . . . . . . . . . . 75.0%
OTHER INGREDIENTS: . . . . . . . . . . . . . . . . . . . . . . . 25.0%
TOTAL: . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . 100.0%

Keep water-soluble packets in this container and store in a cool dry place but not below freezing (32°F).

EPA Reg. No. 42750-117-74779     EPA Est. No. 65387-AR-002
Do not remove packets from container except for immediate use.

Precaucion Al Usuario: Si usted no puede leer o entender ingles, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

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11571 K-Tel Drive
Minnetonka, MN 55343
1-877-272-6747
www.treecarescience.com
**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.

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**PATTERN VARNISH:** ☑ YES ☐ NO

Form: CS 006L - 11/8/2011

☐ ARTWORK IS APPROVED ☐ REVISED PROOF NEEDED

WE CANNOT PROCESS THIS ORDER WITHOUT AN AUTHORIZED SIGNATURE

Signed________________________ Date________________________

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Cimarron Label
Experts in Extended Text Labeling

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