

# DISCUS® TABLETS

GROUP 4A INSECTICIDE

INSECTICIDE

SPECIMEN LABEL

12-9-4

For use in nurseries and greenhouses.

**ACTIVE INGREDIENT:**

Imidacloprid, 1-[(6-Chloro-3-pyridinyl)methyl]-N-nitro-2-imidazolidinimine . . . . . 20%

**OTHER INGREDIENTS:** . . . . . 80%  
100%

EPA Reg. No. 432-1457-59807

EPA Est. Indicated by second and third digits of the batch number on this package. (98) = 33967-NJ-1

**STOP - Read the label before use.  
KEEP OUT OF REACH OF CHILDREN  
CAUTION**

For **TRANSPORTATION Emergencies ONLY**  
Call 24 Hours A Day 1-800-424-9300.

For **MEDICAL and PRODUCT USE Information**  
Call 24 Hours a Day 1-800-356-4647.

<b>Guaranteed Analysis:</b>	F1977
Total Nitrogen (N) . . . . .	12.00%
1.30% Ammoniacal Nitrogen	
0.70% Urea Nitrogen	
10.00% Water Insoluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) . . . . .	9.00%
Soluble Potash (K <sub>2</sub> O) . . . . .	4.00%
Magnesium (Mg) . . . . .	0.50%
0.50% Water Soluble Magnesium (Mg)	
Sulfur (S) . . . . .	1.00%
1.00% Combined Sulfur (S)	
Molybdenum (Mo) . . . . .	0.004%
Derived from: Isobutylidene Diurea, Ammonium Phosphate, Ammonium Sulfate, Sulfate of Potash, Magnesium Sulfate and Ammonium Molybdate	
* 10.00% Slowly Available Nitrogen from Isobutylidene Diurea.	
Warning: Forage crops high in molybdenum (Mo) are toxic to ruminant animals. This fertilizer contains molybdenum (Mo) and should not be applied on crops that can be consumed by grazing animals (ruminants).	
Information regarding the contents and levels of metals in this product is available on the internet at <a href="http://www.aapfco.org/metals.htm">http://www.aapfco.org/metals.htm</a>	

FIRST AID continued	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
In case of emergency call toll free the OHP, Inc. Emergency Telephone No. 1-800-356-4647. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>Note To Physician:</b> 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.

**Personal Protective Equipment (PPE):**

**WPS USES:** Applicators and other handlers who handle this product for any use covered by the Worker Protection Standard (40 CFR part 170) – in general, agricultural plant uses e.g., use

FIRST AID	
<b>IF ON SKIN OR CLOTHING:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

NET CONTENTS: 1200 TABLETS – 6.6 lbs (3 KG)



in nursery, must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton.
- Shoes plus socks

**Non-WPS USES:** Applicators and other handlers who handle this product for any use NOT covered by the Worker Protection Standard (40 CFR part 170) – in general, only agricultural plant uses are covered by the WPS, must wear:

- Shirt and pants
- Shoes plus socks
- Gloves

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

#### users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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 or weeds.

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.

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

### Resistance Management Recommendations

Some insects are known to develop resistance to insecticides after repeated use. As with any insecticide, the use of this product should conform to resistance management strategies established for the use area. **DISCUS TABLETS** contains a Group 4A insecticide. Insect biotypes with acquired or inherent resistance to Group 4A insecticides may eventually dominate the insect population if Group 4A insecticides are used repeatedly as the predominant method of control for targeted species.

The active ingredient in **DISCUS TABLETS** is a member of the neonicotinoid chemical class. Insect pests resistant to other chemical classes have not shown cross-resistance to **DISCUS TABLETS**.

Contact your Cooperative extension specialist, certified crop advisor and/or product manufacturer for additional insect resistance management recommendations.

### 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 requirement specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**DISCUS TABLETS** can be used as directed in nurseries and greenhouses.

### 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: 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

- Long-sleeved shirt and long pants
- Chemical resistant gloves made of any waterproof material such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, natural rubber, polyethylene, polyvinylchloride (PVC) or viton
- Shoes plus socks

### 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.

### NURSERY AND GREENHOUSE

**DISCUS TABLETS** will control or significantly reduce populations of insects that attack containerized, newly-planted and established trees and shrubs. For trees and shrubs grown in nurseries and greenhouses, **DISCUS TABLETS** will in some cases provide control of insects for up to two years. The tablet also has been shown to improve survival and growth rates of newly-established seedlings, containerized trees and shrubs, and newly-planted and well-established trees and shrubs. The decision to retreat plants in the second year after application should be based on the presence of pests.

**DISCUS TABLETS** is formulated to provide consistent delivery of active ingredient over time. Release of active ingredient is dependent on presence of adequate soil moisture. Irrigate moderately but thoroughly after application, allowing no leaching and runoff from container for at least 3 irrigations or 10 days which ever is longer. Ensure that the plant receives regular irrigation for at least 2-3 months after treatment.

**Treatment of containerized ornamental plants** - For containerized, balled and burlapped, and pot-in-pot trees and shrubs, place the prescribed number of **DISCUS TABLETS** 1-4" deep into the media,

and at least 2" from the outside edge of the container. Ensure that the tablet is completely covered with media after application.

**Treatment of bare root seedlings, whips, sticks, cuttings, etc., at planting** – Place the prescribed number of **DISCUS TABLETS** in each planting hole or slit, directly underneath to or next to the root system of the plant. Or, place the tablets 1-4" deep into the soil next to the plant (ca. within 2-5") after the plant has been planted and the root system covered with soil. Avoid applying tablets if the soil is saturated or if there is water present at the bottom of the planting hole or slit.

**Treatment of containerized or balled and burlapped trees and shrubs at planting** – While planting containerized trees and shrubs, place the prescribed number of **DISCUS TABLETS** in each planting hole directly underneath the root ball, or 1-4" deep into the root ball after the plant has been placed in the hole and the hole filled with soil. Avoid applying tablets if the soil is saturated or if there is water present at the bottom of the planting hole.

**Treatment of in-ground trees and shrubs** – For best results on established trees and shrubs, place **DISCUS TABLETS** as close to the fine absorptive roots as possible. For most deciduous trees and shrubs, these and adequate number of these absorptive roots are located within 6-24" of the trunk, depending on tree size. Apply **DISCUS TABLETS** 2-5" below the soil surface, next to the plant (ca. within 3-5" of newly planted trees or shrubs, or within 6-24" of well-established ornamentals). Ensure that the tablets are completely covered with soil after application.

For bushy coniferous trees and shrubs, numerous absorptive roots may be located near the drip-line. To apply **DISCUS TABLETS** post-plant to plants with a definite drip-line, place tablets 2-5" below the soil surface, evenly spaced around the tree and along the drip-line. Ensure that the tablets are completely covered with soil after application.

Restriction: Do not apply more than 450 tablets per acre per year (0.5 lb imidacloprid) to in-ground plants.

<b>NURSERY AND GREENHOUSE</b>			
<b>Crop</b>	<b>Pest</b>	<b>Container size</b>	<b>Dose (# tablets per pot)</b>
Trees and Shrubs (including non-bearing fruit and nut trees) in containers or in containers prior to planting, during or after planting into landscape environments	Adelgids	< 1 gallon	1
	Aphids	1 gallon	1-2
	Armored scales (suppression)	3 gallon	2-3
	Black vine weevil larvae	5 gallon	3-4
	Flatheaded borers (excluding emerald ash borer)	7 gallon	4-5
	Japanese beetle adults	10 gallon	5-7
	Lace bugs	Large containers, or spaded, balled and burlaped, and pot-in-pot ornamentals	2-3 tablets per inch of trunk diameter or per foot of shrub height
	Leaf beetles		
	Leafhoppers (including glassy-winged sharpshooter)		
	Leafminers		
	Mealybugs		
	Pine tip moth larvae		
	Psyllids		
	Roundheaded borers (excluding Asian longhorned beetle)		
	Royal palm bugs		
	Sawfly larvae		
	Soft scales		
Thrips (foliage only)			
White grub larvae			
Whiteflies			

<b>NURSERY AND GREENHOUSE</b>		
<b>Crop</b>	<b>Pest</b>	<b>Dose (# tablets)</b>
Newly-planted whips or seedling ornamentals (including non-bearing fruit and nut trees), less than 1" dbh, or less than 1 ft of shrub height	Adelgids	1 tablet per plant for preventative or first onset of infestation  2 tablets per plant - higher rate for heavy pest population
	Aphids	
	Armored scales (suppression)	
	Japanese beetle adults	
	Lace bugs	
	Leaf beetles	
	Leafhoppers (including glassy-winged sharpshooter)	
	Mealybugs	
	Psyllids	
	Soft scales	
	Thrips (foliage feeding)	
White grub larvae		
Whiteflies		
	Black vine weevil larvae	2 tablets per plant
	Flatheaded borers (excluding emerald ash borer)	
	Leafminers	
	Pine tip moth larvae	
	Roundheaded borers (excluding Asian longhorned beetle)	
Royal palm bugs		
Sawfly larvae		

NURSERY AND GREENHOUSE		
Crop	Pest	Dose (# tablets)
Established or newly-planted Trees and Shrubs (greater than 1" dbh, or greater than 1 ft of shrub height)	Adelgids Aphids Armored scales (suppression) Black vine weevil larvae Flatheaded borers (excluding emerald ash borer) Japanese beetle adults Lace bugs Leaf beetles Leafhoppers (including glassy-winged sharpshooter) Leafminers Mealybugs Pine tip moth larvae Psyllids Roundheaded borers (excluding Asian longhorned beetle) Royal palm bugs Sawfly larvae Soft scales Thrips (foliage only) White grub larvae Whiteflies	2-3 tablets per inch of trunk diameter or per foot of shrub height

### STORAGE AND DISPOSAL

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

**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:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or dispose of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**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, invert to prevent leakage. Refer to Precautionary Statements on label for hazards associated with the handling of this material. Do not walk through spilled material. Absorb spilled material with absorbing type compounds and dispose of as directed for pesticides above. In spill or leak incidents, keep unauthorized people away. You may contact the OHP Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The OHP, Inc. Emergency Response Telephone No. is 1-800-356-4647 or contact Chemtrec at 1-800-424-9300.

### IMPORTANT: READ BEFORE USE

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once. By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Crop injury or 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 OHP, Inc. All such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTANT WITH APPLICABLE LAW, OHP, INC. MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of OHP, Inc. is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTANT WITH APPLICABLE LAW, OHP, INC. DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

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Discus is a registered trademark of OHP, Inc.

Manufactured by:  
OHP, Inc  
P.O. Box 230  
Mainland, PA 19451  
(800) 356-4647

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