
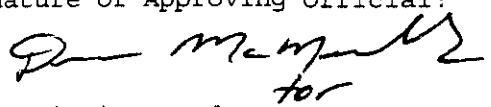


69117-7

03/05/2003

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 <p>U.S. ENVIRONMENTAL PROTECTION AGENCY Office of Pesticide Programs Registration Division (7505C) Ariel Rios Building 1200 Pennsylvania Ave. NW Washington, D.C. 20460</p> <p><b>NOTICE OF PESTICIDE:</b> <u>  X  </u> Registration Reregistration (under FIFRA, as amended)</p>	EPA Reg. Number: 69117-7	Date of Issuance: <b>MAR - 5 2003</b>
	Term of Issuance: Conditional	
	Name of Pesticide Product: PINCHER PGR	
Name and Address of Registrant (include ZIP Code): ArborSystems, LLC c/o RegWest Company 30856 Rocky Road Greeley, CO 80631-9375		
<p><b>Note:</b> Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.</p> <p>On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.</p> <p>Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.</p> <p>This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:</p> <ol style="list-style-type: none"> <li>1. Submit/cite all data required for the registration/ reregistration of your product when the Agency requires all registrants of similar products to submit data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.</li> <li>2. Make the following label change:             <ol style="list-style-type: none"> <li>a. Change the EPA Registration Number to 69117-7.</li> </ol> </li> <li>3. Submit one (1) copy of the revised final printed label before you release the product for shipment.</li> </ol> <p>(Continued)</p>		
Signature of Approving Official:  Rick Keigwin, Product Manager 22 Fungicide Branch, Registration Division	Date: <b>MAR - 5 2003</b>	

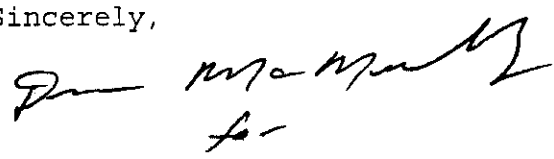
EPA Registration Number 69117-7

Continued from first page.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,



Rick Keigwin  
Acting Product Manager (22)  
Fungicide Branch  
Registration Division (7505C)

Enclosures: Stamped copy of label

{Box Label}

# PINCHER™ PGR

For Use on Broadleaf Trees to Retard the Growth of Certain Landscape Ornamentals  
Reduces the Frequency of Manual Pruning  
For Use By Professional Arborists/Applicators  
Tree Injection System

- Easy • No Drilling • No Posting • Saves Time and Money

**Active Ingredient:**

Dikegulac-sodium\* (CAS No. 52508-35-7) ..... 18.5%

**Other Ingredients** ..... 81.5%

Total ..... 100.0%

\*Sodium salt of 2,3:4,6-bis-O-(1-methylethylidene)-a-L-xylo-2-Hexulofuranosonic acid

Contains 24 grams (0.2 oz.) active ingredient per 120 ml (4 oz.) bottle.

**Keep Out of Reach of Children**  
**CAUTION**  
See insert for additional precautionary statements.

ACCEPTED  
with COMMENTS  
in EPA Letter Dated  
**MAR - 5 2003**  
Under the Federal Insecticide,  
Fungicide, and Rodenticide Act  
as amended, this pesticide  
registered under Reg. No.  
69117-7

Net Wt. 4 oz. (120 ml)

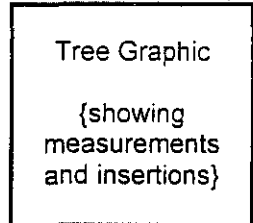
**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
Refer to insert for complete Directions for Use

**ArborSystems Tree Injection System SW 100 Injector Gun** is designed to be used only with ArborSystems pre-bottled chemicals. Tampering with bottles or contents may cause non-warranted damage to your injection system.

**How to Figure Number of Injection Sites**

Be sure to follow the directions on the insert to determine how many 1-ml injection sites are needed on any given tree.



Usually this is approximately one injection\* for every 4" to 6" of trunk circumference measured at 4.5' above the ground. Make WedgeChek™ insertions evenly spaced around the flare of the tree.

\*Depending on type of bark, the dosage per injection site may have to be reduced to ½ ml per site and the number of injection sites doubled.

**Storage and Disposal**

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

**Storage:** Store in a tightly closed container in a cool, dry place. **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:** Triple rinse, or equivalent, then dispose of in an incinerator or landfill approved for pesticide containers.

EPA Reg. No. 69117-\_\_\_\_\_ EPA Est. \_\_\_\_\_

[Sold by]  
**ArborSystems™**  
Omaha, NE 68134  
www.arborsystems.com

{Container Label}

**PINCHER™ PGR**  
**For Use on Broadleaf Trees to Retard the Growth of Certain Landscape Ornamentals**  
**Reduces the Frequency of Manual Pruning**  
**For Use By Professional Arborists/Applicators**  
**Tree Injection System**

**Active Ingredient:**

Dikegulac-sodium* (CAS No. 52508-35-7) .....	18.5%
<b>Other Ingredients</b> .....	<b>81.5%</b>
<b>Total</b> .....	<b>100.0%</b>

\*Sodium salt of 2,3:4,6-bis-O-(1-methylethylidene)-a-L-xylo-2-Hexulofuranosonic acid

Contains 24 grams (0.2 oz.) active ingredient per 120 ml (4 oz.) bottle.

**Keep Out of Reach of Children**  
**CAUTION**  
**See insert for additional precautionary statements.**

**Net Wt. 4 oz. (120 ml)**

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.  
Refer to insert for complete Directions for Use

**ArborSystems Tree Injection System SW 100 Injector Gun** is designed to be used only with ArborSystems pre-bottled chemicals. Tampering with bottles or contents may cause non-warranted damage to your injection system.

**Storage and Disposal**

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

**Storage:** Store in a tightly closed container in a cool, dry place. **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:** Triple rinse, or equivalent, then dispose of in an incinerator or landfill approved for pesticide containers.

EPA Reg. No. 69117-\_\_\_\_\_ EPA Est. \_\_\_\_\_

[Sold by]  
**ArborSystems™**  
Omaha, NE 68134  
[www.arborsystems.com](http://www.arborsystems.com)

{Insert}

**PINCHER™ PGR**  
**For Use on Broadleaf Trees to Retard the Growth of Certain Landscape Ornamentals**  
**Reduces the Frequency of Manual Pruning**  
**For Use By Professional Arborists/Applicators**  
**Tree Injection System**

**Active Ingredient:**

Dikegulac-sodium* (CAS No. 52508-35-7) .....	18.5%
<b>Other Ingredients</b> .....	<b>81.5%</b>
<b>Total</b> .....	<b>100.0%</b>

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Contains 24 grams (0.2 oz.) active ingredient per 120 ml (4 oz.) bottle.

**Keep Out of Reach of Children**  
**CAUTION**  
See insert for additional precautionary statements.

EPA Reg. No. 69117-\_\_\_\_\_ EPA Est. \_\_\_\_\_

[Sold by]  
**ArborSystems™**  
Omaha, NE 68134  
www.arborsystems.com

**PRECAUTIONARY STATEMENTS**  
**Hazards to Humans & Domestic Animals**

**CAUTION:** Harmful if inhaled. Avoid breathing vapors. Avoid contact with skin, eyes or clothing. Thoroughly wash with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

**First Aid**

<b>If Inhaled</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on Skin or Clothing</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Immediately rinse skin with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</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 15-20 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>
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-698-4641 for emergency medical treatment information.	

{Note: The First Aid statements' grid format will be used if market label space permits; otherwise a paragraph format will be used.}

**Environmental Hazards**

Do not apply directly to water, 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.

**DIRECTIONS FOR USE**

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

**For Use By Professional Arborists/Applicators**

**GENERAL INFORMATION**  
**Do not Inject Food Bearing Trees**

**ArborSystems Tree Injection System using the Patented Wedge™ Tip and Patented WedgeCheck™**

The injection system is easy. Most trees can be treated in as little as five minutes allowing arborists/applicators to treat trees quickly. Commercial operators will make more money, handle more business and create more satisfied customers while ground maintenance crews are more productive, more confident and have greater peace of mind. May be used in sunny or overcast conditions. Each system weighs just three pounds and the hassle of hauling around extra equipment and larger amounts of chemical is eliminated. Everything about this system is more efficient and operators will be up and running in just 15 minutes.

With no holes to drill, long term wounding is prevented and by injecting chemicals into the cambial area without introducing air, pathogens are not allowed into the tree and potential decay never starts. After 120 injections you have only one small container to dispose. Concerns you may have had when spraying will be eliminated. And with a closed system there is no mixing. Chemicals are injected directly into the tree.

The injection system is effective. Wedge-shaped needles inject chemical into the active layer of the tree. Because of this, not only is the effectiveness of the chemical increased, control of most problems is reached in as little as five days. The Wedge also means less chemical used, less chemical purchased and less time spent in each area without having to

worry about the quality of your work. Whether you use your system as a preventative, concerned about potential problems, or you're using an IPM approach, needing a curative for definite results, you will have season control with one easy application.

Quicker and more efficient use of your time and resources. Start using tomorrow's technology on the trees you're treating today, with the world's most effective tree injection system: the Wedgle Tip injection system by ArborSystems.

The ArborSystems Tree Injection System injects pesticides or micronutrients into a tree with minimal wounding. The system will inject chemicals into the area of bark separation where the chemical can be actively transferred to other parts of the tree. Tree growth is highly variable depending upon species, location, climatic factors, environmental conditions, etc. It is recommended, before large-scale tree injection programs are pursued, that users establish, by testing on a limited number of trees, the best rates to produce the desired growth reduction under local growing conditions.

The best results on deciduous trees are obtained when winter-trimmed or untrimmed trees are injected with Pincher PGR after the first flush of leaves is ¼ to fully developed and before shoot growth begins. Broadleaf evergreens may be treated during seasonal growth flushes.

**Precaution:** Do not inject Pincher PGR into drought-stressed trees or trees that do not appear healthy.

**Note:** When using Pincher PGR, the ArborSystems injection system must be cleaned periodically to prevent clogging.

**How to Use the ArborSystems Tree Injection System:**

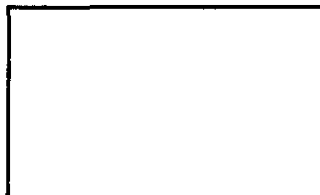
1. Use protective eyewear and rubber or neoprene gloves when handling or installing the ArborSystems Tree Injection System.
2. Attach the chemical bottle to the SW100 Injector Gun.
3. Attach the Wedgle Tip to the SW100 Injector Gun. Make sure the small hole in the tip is pointing straight up. Set the delivery volume on the syringe to 1 ml or ½ ml, as appropriate.
4. Determine the thickness of the bark. Insert the Wedgle Tip into the fissure of the tree. If the tip penetrates more than the length of a WedgeChek the injection will be made in the fissure. If the tip penetrates less than the length of a WedgeChek the injection will be made through the tight bark of the tree. On thin-barked trees you may find it necessary to insert the WedgeChek in only one-half as far as normal.
5. Insert the WedgeChek™ Punch into the tree. Remove the punch and squeeze the trigger to remove the bark core. Examine the core to make sure the core that has been removed is approximately the same length as the WedgeChek. Repeat this step while moving around the flare of the tree. Be sure to follow the label directions on this insert to determine how many injection sites are needed on any given tree. Usually this is approximately 1 injection for every 4" of trunk circumference measured at 4.5' above the ground. Make WedgeChek insertions around the flare of the tree spacing evenly.
6. Place the WedgeChek on the protruding pin on the bottom of the grip then insert the WedgeChek directly into the punched hole. The barbs on the WedgeChek will secure it in the tree.
7. Insert the Wedgle Tip with a straight motion through the WedgeChek. Make sure the hole in the tip passes completely through the WedgeChek. As the tip is pushed through the WedgeChek and the bark, the blunt-edged tip automatically stops when it reaches the wood.
8. With a smooth motion, firmly squeeze both handles at the same time. This allows the bark to separate and the chemical to be deposited into the area. The WedgeChek plugs the hole, allowing the chemical to remain in the tree.
9. Slowly withdraw the tip and repeat this step while moving around the circumference of the tree.
10. Move laterally and make the next injection until the entire tree trunk has been treated. After the tree has taken up the chemical each WedgeChek can either be removed or left in the tree.

Tree Species	Application Rates (Insertions Spaced Every 4 Inches)	
	Trees 6-10 inches DBH	Trees > 10 inches DBH
Cottonwood ( <i>Populus deltoides</i> ), Eucalyptus ( <i>Eucalyptus</i> spp.), London plane tree ( <i>Platanus acerifolia</i> ), Maples [Bigleaf ( <i>Acer macrophyllum</i> ), Norway ( <i>Acer platanoides</i> ), Red ( <i>Acer rubrum</i> ) and Silver ( <i>Acer saccharinum</i> )] and Sycamore ( <i>Platanus occidentalis</i> )	0.5 to 1 ml	1 to 2 ml
Eucalyptus ( <i>Eucalyptus sideroxylon</i> )	0.5 ml	0.5 to 1 ml
Hackberry ( <i>Celtis occidentalis</i> ), Shamel ash ( <i>Fraxinus uhdei</i> ) and Water oak ( <i>Quercus nigra</i> )	2 ml	2 ml

**Note:** Depending on type of bark, the dosage per injection site may have to be reduced to by ½ per site and the number of injection sites doubled.

When tree crown or leaf area is considered larger than normal, inject an amount in the higher suggested rate range. For trees with very small crowns or leaf area, inject an amount in the lower suggested rate range. Injection volume is dependent upon the tree size. The volume is determined by measuring the diameter of the tree at breast height (DBH) and utilizing one of the following formulas:

Number of Injection Sites	Total Injection Volume (TIV) (in ml)	Volume per Injection Site
For trees 6 to 16 inches DBH	3 TIV = (DBH) <sup>2</sup> x 1.59	TIV ÷ 3
For trees greater than 16 inches DBH	6 TIV = DBH x 25.25	TIV ÷ 3



Cross-section of tree showing  
Wedge Tip and WedgeChek

#### Storage and Disposal

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

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#### Notice of Warranty

ArborSystems warrants that this product conforms to the chemical description on the label and is reasonably fit for use under average conditions when used strictly in accordance with the directions on the labeling. ArborSystems does not make or authorize any agent or representative to make any other warranty, guarantee or representation, express or implied, concerning this product.

For assistance, contact

**ArborSystems™**

P.O. Box 34645 Omaha, NE 68134

Toll-Free: 1-800-698-4641 Phone: (402) 339-4459 FAX: (402) 339-5011

[www.arborsystems.com](http://www.arborsystems.com)

Pincher™ PGR, Wedgle™ Tip and WedgeChek™ are trademarks of ArborSystems, LLC

Wedgle™ Tip is protected by U.S. Patent #5,239,773

WedgeChek™ is protected by U.S. Patent #5,797,215

[ ] Denotes alternate/optional language

{ } Denotes language that does not appear on market labeling