

69117-7

1/28/2009

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Kim Davis, Manager
Arbor Systems, Inc.
c/o RegWest Company, LLC
30856 Rocky Road
Greeley, CO 80631-9375

JAN 28 2009

Subject: Notification(s) for Label Revisions under PRN 98-10

1. Changes in container packaging
2. Added additional directions for use
3. Other minor revisions

Dear Ms. Davis:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 98-10 dated November 26, 2008 for:

EPA Registration 69117-7

Pinscher PGR

The Registration Division (RD) has conducted a review of the request(s) for applicability under PRN 98-10 and finds that the label changes requested fall within the scope of PRN-98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identify the batch of the pesticide distributed and sold be placed on nonrefillable containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

A handwritten signature in black ink, appearing to be "Linda Arrington".

Linda Arrington
Notifications & Minor Formulations Team Leader
Registration Division (7505P)
Office of Pesticide Programs

2019

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060.

United States Environmental Protection Agency 1200 Pennsylvania Avenue, N.W. Washington, DC 20460-0001	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number Notification
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Application for Pesticide – Section I

1. Company/Product Number EPA Reg. No. 69117-7	2. EPA Product Manager Tony Kish	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/ Product (Name) Plinscher™ PGR	PM # 22	
5. Name and Address of Applicant (include ZIP Code) ArborSystems, Inc. c/o RegWest Company, LLC 30856 Rocky Road Greeley, CO 80631-9375 <input type="checkbox"/> Check if this is a new address		6. Expedited Review. In accordance with FIFRA Section 3(c)(3)(b)(i) my product is similar or identical in composition and labeling to: <div style="text-align: center;">NOTIFICATION</div> EPA Reg. No. _____ JAN 28 2009 Product Name _____

Section – II

<input type="checkbox"/> Amendment – Explain below. <input type="checkbox"/> Resubmission in response to Agency letter dated _____ <input checked="" type="checkbox"/> Notification – Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application. <input type="checkbox"/> Other – Explain below.
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Explanation: Use additional page(s) if necessary. (For Section I and Section II.)

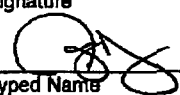
Submit label revision notification per PR Notice 98-10.
Refer to the Reference Label for an illustration of all label revisions
(revisions related primarily to a change in container/packaging components).

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR § 152.45, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to the EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR § 152.46 this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Section – III

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input checked="" type="checkbox"/> Paper <input type="checkbox"/> Other (Specify): _____	
*Certification must be submitted		If "Yes" Unit Packaging Wt.	No. Per Container	If "Yes" Packaging Wt.	No. Per Container
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container 4 fl. oz. (120 ml) and 1 qt. 2 fl. oz. (1000 ml)		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling Accompanying Product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Stenciled <input checked="" type="checkbox"/> Paper glued <input checked="" type="checkbox"/> Other Self-adhesive booklet					

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application).		
Name Kim Davis, CC, APC, Manager	Title Consultant/Agent	Telephone No. (Include Area Code) (970) 353-0611 kim@regwest.com
I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped)
2. Signature 		3. Title Consultant/Agent
4. Typed Name Kim Davis, CC, APC, Manager		5. Date November 26, 2008

FedEx

FTN 8646 7118 7923

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November 26, 2008



Ms. Linda Arrington
 Document Processing Desk – **NOTIF**
 Office of Pesticide Programs – **7504P**
U.S. Environmental Protection Agency
 2777 South Crystal Drive
 One Potomac Yard, Room S-4900
 Arlington, VA 22202

Dear Ms. Arrington:

Subject: ArborSystems, Inc.
 Pinscher™ PGR
 EPA Reg. No. 69117-7

PR Notice 98-10 only

On behalf of **ArborSystems, Inc.**, RegWest Company, LLC is submitting the attached materials as notification of a label revision for subject product. RegWest will act as sole agent in this endeavor.

Attached are the following:

1. Application for Pesticide: Other (Notification)
2. One **Reference Label** (illustrating the revisions)
3. Two **New Labels** (incorporating the revisions)
4. Two sets of market labels

We are making several revisions to the labeling, primarily due to a change in packaging concepts. The previous packaging/container concepts were:

- For the 4 fl oz (120 ml) size: a box containing a chemical bottle (with reduced labeling) and an insert
- For the 1 qt 2 fl oz (1000 ml) size: a box containing a pouch.

The attached labeling reflects the current container concepts which are:


- For the 4 fl oz (120 ml) size: a collapsible pouch sealed in a closed plastic canister (i.e., the "pack"), which is then put in an outer box
- For the 1 qt 2 fl oz (1000 ml) size: a collapsible pouch in a sealed box (i.e., the "pack") which is then put in an outer box.

The 4 fl oz pack now has a booklet (instead of an insert) affixed to the canister and an outer box label (with reduced labeling). When used to inject chemical into trees, the pack is removed from the outer box and installed onto the delivery device. The 1 qt 2 fl oz pack now has a full label on the box (the pouch cannot be removed from the box without destroying the box) and an outer box label (with reduced labeling). The box has a connective tube. When used to inject chemical into trees, the pack is removed from the outer box and the tube is connected to the delivery device.

Please refer to the **Reference Label** for a complete illustration of all label revisions.

Please contact me at (970) 353-0611 or kim@regwest.com if you require additional information or have any questions.

Regards,
RegWest Company, LLC


 Kim Davis, CC, APC, Manager
 Consultant/Agent

Attachments

cc: ASI - Doolittle, C.

30856 Rocky Road
 Greeley, CO 80631-9375
 970-353-0611
 970-353-0613 Fax
 Kim@regwest.com

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PINSCHER® PGR

{Affixed Booklet – Front Panel}

PINSCHER® PGR
An ArborSystems™ Direct-Inject™ Chemical

NOTIFICATION

For systemic chemical pinching of landscape ornamentals.
Prevents flowering and fruit/seed set of landscape ornamentals.
Pinches off the fruit of landscape ornamentals.

JAN 28 2009

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 0.2 oz. (24 grams) active ingredient per 4 fl. oz. (120 ml) pack.

Net Contents: 4 fl. oz. (120 ml)

Keep Out of Reach of Children
CAUTION
See inside for additional precautionary statements and complete Directions for Use.

{Affixed Booklet}

PINSCHER® PGR
An ArborSystems™ Direct-Inject™ Chemical
• Easy • No Drilling • Saves Time and Money

For systemic chemical pinching of landscape ornamentals. Prevents flowering and fruit/seed set of landscape ornamentals. Pinches off the fruit of landscape ornamentals.

For use by professional arborists/applicators, foresters, grounds maintenance professionals and landscapers.

To be used only with the ArborSystems Direct-Inject Tree Injection System.

ArborSystems™
The No-Drill Injection Solution
www.ArborSystems.com
800-698-4641 • Fax: 402-339-5011
P.O. Box 34645 • Omaha, NE 68134

Net Contents: 4 fl. oz. (120 ml)
EPA Reg. No. 69117-7 • EPA Est. 69117-NE-1

PRECAUTIONARY STATEMENTS
Hazards to Humans and 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

If Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Immediately rinse skin with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

(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, foresters, grounds maintenance professionals and landscapers.

General Information

Do Not Apply to Food Bearing Plants

ArborSystems™ Direct-Inject™ Tree Injection System

The ArborSystems Direct-Inject Tree Injection System is easy to use. Most trees are treated in as little as five minutes or less, allowing applicators to treat trees quickly. There is no need to wait for absorption (translocation). Chemical is injected into the cambial area (the active vascular system) of the tree. Because the chemical is placed right where the tree can use it, effectiveness of the chemical is increased. Use in sunny or overcast conditions, rainy or dry, at any time of day. As no drilling or implants are required, you can treat trees year after year, with no threat of long-term or permanent damage to the tree. This system minimizes wounding and promotes long-term tree vigor.

Indications and Treatment Timing

Ornamental trees with heavy fruit or seed production can cause turf maintenance problems that require ongoing cleanup. Pinscher PGR eliminates or greatly reduces flowering and fruit/seed set without compromising tree health. Maintenance and cleanup concerns and labor are substantially reduced.

For early fruiting trees (most deciduous trees), make first year injections in the spring **and** late summer (approximately one month before the typical first frost). In subsequent years, make injections in the late summer for control the following year. In late fruiting trees such as Locust, Walnut and Ginko,

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fruiting/seeding is better controlled by injections in the early spring prior to flowering. First year applications will provide less fruit/seed reduction than subsequent applications. Apply annually for maximum effectiveness.

Precautions: Repeated treatment may cause bark damage; check before retreatment. Do not inject Pinscher PGR into drought-stressed trees or trees that do not appear healthy.

Tree Species	Application Rates Injections Spaced Every 4 Inches	
	Trees 18-30 inches CBH*	Trees > 30 inches CBH*
Ornamental trees (such as but not limited to) 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

*Circumference at breast height

Note: Depending on type of bark, the dosage per injection site may be cut in half and the number of injection sites doubled.

Personal Protective Equipment (PPE)

Use protective eyewear and rubber or neoprene gloves when handling ArborSystems Direct-Inject chemicals.

**How to Use ArborSystems Direct-Inject Chemicals
with ArborSystems Direct-Inject Tree Injection System**

1. Use only ArborSystems Direct-Inject chemicals with your unit as they have been formulated specifically for the Direct-Inject system. Use of other chemicals will invalidate warranty.
2. Attach the chemical pack to the Direct-Inject unit and prepare the unit to make injections.
3. Set the delivery volume on the unit.
4. Follow the label directions in this booklet to determine the amount of chemical and number of injection sites.
5. Determine where to make injections in the bark. Generally, the injection tip is inserted into the fissure (valley) of the tree bark. Inject thin-barked trees in the thicker part of the tree bark. Thick-barked trees require a longer injection tip.
6. Make injections working around the circumference of the tree. Make Wedgle® Tip injections within 12" of the ground. Portle® Tip injection height varies depending on type of tree and location.
7. With a smooth motion, firmly squeeze the Injection unit handles. This releases a pre-measured chemical dose into the tree.
8. Continue making injections moving around the tree until the entire tree trunk has been treated.
9. During use, periodically clean the Direct-Inject unit to prevent clogging.

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Storage and Disposal

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

Pesticide Storage: Store in original 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:** Completely empty pack into application equipment, then dispose of empty pack in a sanitary landfill or if allowed by State and local authorities, by burning; if burned, stay out of smoke.

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.

ArborSystems™

www.ArborSystems.com

The No-Drill Injection Solution

800-698-4641 • Fax: 402-339-5011

P.O. Box 34645 Omaha, NE 68134

Pinscher® PGR, Portle® and Wedgle® are registered trademarks of ArborSystems.

ArborSystems™, Direct-Inject™ and WedgeChek™ are trademarks of ArborSystems.

Direct-Inject™ unit is protected by U.S. Patent #5,901,498

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

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

Portle® Tip is protected by U.S. Patent #7,178,286

{Box Label}

PINSCHER® PGR

An ArborSystems™ Direct-Inject™ Chemical

**For systemic chemical pinching of landscape ornamentals.
Prevents flowering and fruit/seed set of landscape ornamentals.
Pinches off the fruit of landscape ornamentals.**

For use by professional arborists/applicators, foresters,
grounds maintenance professionals and landscapers.
To be used with the ArborSystems Direct-Inject Tree Injection System

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 0.2 oz. (24 grams) active ingredient per 4 fl. oz. (120 ml) pack.

Keep Out of Reach of Children
CAUTION
See booklet for additional precautionary statements and complete Directions for Use.

DIRECTIONS FOR USE

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

The ArborSystems Direct-Inject units are designed to be used only with ArborSystems' pre-packed chemicals. Tampering with packs 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.

Pesticide Storage: Store in original 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:** Completely empty pack into application equipment, then dispose of empty pack in a sanitary landfill or if allowed by State and local authorities, by burning; if burned, stay out of smoke.

Net Contents: 4 fl. oz. (120 ml)
EPA Reg. No. 69117-7 • EPA Est. 69117-NE-1

ArborSystems™
The No-Drill Injection Solution
www.ArborSystems.com
800-698-4641 • Fax: 402-339-5011
P.O. Box 34645 • Omaha, NE 68134

[] Denotes alternate/optional language
{ } Denotes language that does not appear on the market labeling

{Pack Label}

PINSCHER® PGR
An ArborSystems™ Direct-Inject™ Chemical

For systemic chemical pinching of landscape ornamentals.
Prevents flowering and fruit/seed set of landscape ornamentals.
Pinches off the fruit of landscape ornamentals.

Active Ingredient:

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

*Sodium salt of 2,3:4,6-bis-O-(1-methylethylidene)-a-L-xylo-2-hexulofuranosonic acid
Contains 0.2 oz. (24 grams) active ingredient per 4 fl. oz. (120 ml) pack.
[Contains 1.7 (200 grams) active ingredient per 1 qt. 2 fl. oz. (1000 ml) pack.]

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Keep Out of Reach of Children
CAUTION
See booklet [box label] for additional precautionary statements and complete Directions for Use.

DIRECTIONS FOR USE

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

The ArborSystems Direct-Inject units are designed to be used only with ArborSystems pre-packed chemicals. Tampering with packs 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.
Pesticide Storage: Store in original 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:** Completely empty pack into application equipment, then dispose of empty pack in a sanitary landfill or if allowed by State and local authorities, by burning; if burned, stay out of smoke.

Net Contents: 4 fl oz. (120 ml)

EPA Reg. No. 69117-7 • EPA Est. 69117-NE-1

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[] Denotes alternate/optional language
{ } Denotes language that does not appear on market labeling

{1 qt 2 fl oz box label}

PINSCHER® PGR
An ArborSystems™ Direct-Inject™ Chemical
• Easy • No Drilling • Saves Time and Money

For systemic chemical pinching of landscape ornamentals. Prevents flowering and fruit/seed set of landscape ornamentals. Pinches off the fruit of landscape ornamentals.

For use by professional arborists/applicators, foresters, grounds maintenance professionals and landscapers.

To be used only with the ArborSystems Direct-Inject Tree Injection System

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 1.7 oz. (200 grams) active ingredient per 1 qt. 2 fl. oz. (1000 ml) pack.

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

ArborSystems™
The No-Drill Injection Solution
www.ArborSystems.com
800-698-4641 • Fax: 402-339-5011
P.O. Box 34645 • Omaha, NE 68134

Net Contents: 1 qt. 2 fl. oz. (1000 ml)

EPA Reg. No. 69117-7 • EPA Est. 69117-NE-1

PRECAUTIONARY STATEMENTS
Hazards to Humans and 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

If Inhaled	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
If on Skin or Clothing	<ul style="list-style-type: none"> • Take off contaminated clothing. • Immediately rinse skin with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If in Eyes	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 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.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	

{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.

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General Information

Do not apply to food bearing plants

ArborSystems™ Direct-Inject™ Tree Injection System

The ArborSystems Direct-Inject Tree Injection System is easy to use. Most trees are treated in as little as five minutes or less, allowing applicators to treat trees quickly. There is no need to wait for absorption (translocation). Chemical is injected into the cambial area (the active vascular system) of the tree. Because the chemical is placed right where the tree can use it, effectiveness of the chemical is increased. Use in sunny or overcast conditions, rainy or dry, at any time of day. As no drilling or implants are required, you can treat trees year after year, with no threat of long-term or permanent damage to the tree. This system minimizes wounding and promotes long-term tree vigor.

Indications and Treatment Timing

Ornamental trees with heavy fruit or seed production can cause turf maintenance problems that require ongoing clean-up. Pinscher PGR eliminates or greatly reduces flowering and fruit/seed set without compromising tree health. Maintenance and cleanup concerns and labor are substantially reduced.

For early fruiting trees (most deciduous trees), make first year injections in the spring and late summer (approximately one month before the typical first frost). In subsequent years, make injections in the late summer for control the following year. In late fruiting trees such as Locust, Walnut and Ginko, fruiting/seeding is better controlled by injections in the early spring prior to flowering. First year applications will provide less fruit/seed reduction than subsequent applications. Apply annually for maximum effectiveness.

Precautions: Repeated treatment may cause bark damage; check before retreatment. Do not inject Pinscher PGR into drought-stressed trees or trees that do not appear healthy.

Tree Species	Application Rates Injections Spaced Every 4 Inches	
	Trees 18-30 inches CBH*	Trees > 30 inches CBH*
Ornamental trees (such as but not limited to) 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

*Circumference at breast height

Note: Depending on type of bark, the dosage per injection site may be cut in half and the number of injection sites doubled.

Personal Protective Equipment (PPE)

Use protective eyewear and rubber or neoprene gloves when handling ArborSystems Direct-Inject chemicals.

How to Use ArborSystems Direct-Inject Chemicals with ArborSystems Direct-Inject Tree Injection System

1. Use only ArborSystems Direct-Inject chemicals with your unit as they have been formulated specifically for the Direct-Inject system. Use of other chemicals will invalidate warranty.
2. Attach the chemical pack to the Direct-Inject unit and prepare the unit to make injections.
3. Set the delivery volume on the unit.
4. Follow the label directions on this label to determine the amount of chemical and number of injection sites.
5. Determine where to make injections in the bark. Generally, the injection tip is inserted into the fissure (valley) of the tree bark. Inject thin-barked trees in the thicker part of the tree bark. Thick-barked trees require a longer injection tip.
6. Make injections working around the circumference of the tree. Make Wedgle® Tip injections within 12" of the ground. Portle® Tip injection height varies depending on type of tree and location.
7. With a smooth motion, firmly squeeze the Injection unit handles. This releases a pre-measured chemical dose into the tree.
8. Continue making injections moving around the tree until the entire tree trunk has been treated.
9. During use, periodically clean the Direct-Inject unit to prevent clogging.

Storage and Disposal

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

Pesticide Storage: Store in original 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:** Completely empty pack into application equipment, then dispose of empty pack in a sanitary landfill or if allowed by State and local authorities, by burning; if burned, stay out of smoke.

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.

ArborSystems™

The No-Drill Injection Solution

www.ArborSystems.com

800-698-4641 • Fax: 402-339-5011

P.O. Box 34645 Omaha, NE 68134

Pinscher® PGR, Portle® and Wedgle® are registered trademarks of ArborSystems.

ArborSystems™, Direct-Inject™ and WedgeChek™ are trademarks of ArborSystems.

Direct-Inject™ unit is protected by U.S. Patent #5,901,498

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

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

Portle® Tip is protected by U.S. Patent #7,178,286

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{Additional Selling/Marketing Copy for use in conjunction with promotional elements: on the website; brochures; and in other promotional materials, displays, etc.:}

ArborSystems™ Direct Inject Tree Injection System

The Arborsystems Direct-Inject Tree Injection System is effective. Chemicals are injected directly into the tree. Because the chemical is placed right where the tree can use it, effectiveness of the chemical is increased and control of most problems is reached in as little as three to five days. Also, because no chemical is lost in non-active wood, the Direct-Inject system allows you to use less chemical to achieve high levels of effectiveness; this saves money and reduces chemical waste. The Direct-Inject System injects chemicals into a tree with minimal wounding. With no holes to drill, no air or pathogens are allowed to enter the tree, potential decay never starts and long term wounding is prevented. The tree's ability to move water and nutrients, and to store food, is not compromised.

Pre-mixed chemicals are supplied in self-sealing containers. After injections have been made, you have only one small container of which to dispose. Concerns you may have had when spraying will be eliminated. And with a closed system there is no mixing.

With no drilling required the ArborSystems Direct-Inject System:

- Minimizes wounding to keep out fungi, bacteria, and insects.
- Prevents air from getting into the tree. When air is allowed into a tree's vascular system, it cuts off the flow of water and nutrients.
- Allows multiple or annual treatments without damaging the tree.
- Requires no drills, power supply or other bulky equipment.

With this system and chemicals, tree care professionals effectively combat and manage many of the most devastating environmental plant threats.

The ArborSystems Direct-Inject System is designed to preserve and protect the natural and urban forest. Treat almost any tree in five minutes or less. The Direct-Inject System is among the most efficient chemical delivery systems available. You achieve control with less chemical because chemical is placed precisely where the tree can best use it. No chemical is lost in dead wood.

ArborSystems Direct-Inject chemicals are integral parts of the Direct-Inject Tree Injection System. Use only ArborSystems' Direct-Inject chemicals with the Direct-Inject Units. Using unauthorized chemicals with the ArborSystems Direct-Inject System constitutes a violation of Federal law.

Chemical Selection

Your distributor can advise you on the best chemical selections for trees in your area. See our website for additional information.

PINSCHER™ PGR

Common name: Atrinal™

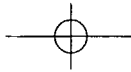
Chemical: Diekgulac-sodium

Atrinal™ is a registered trademark of PBI/Gordon Corporation.

NOTIFICATION

NOTIFICATION

JAN 28 2009



PINSCHER® PGR

An ArborSystems™ Direct-Inject™ Chemical
• Easy • No Drilling • Saves Time and Money

For systemic chemical pinching of landscape ornamentals. Prevents flowering and fruit/seed set of landscape ornamentals. Pinches off the fruit of landscape ornamentals.

For use by professional arborists/applicators, foresters, grounds maintenance professionals and landscapers.

To be used only with the ArborSystems Direct-Inject Tree Injection System.



The No-Drill Injection Solution

www.ArborSystems.com
800-698-4641 • Fax: 402-339-5011
P.O. Box 34645 • Omaha, NE 68134

Net Contents 4 fl oz (120 ml)
EPA Reg. No. 69117-7
EPA Est. 69117-NE-1

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND 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

If Inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 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 15-20 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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.



The No-Drill Injection Solution

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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.

Pinscher® PGR, Portle®, and Wedgle® are registered trademarks of ArborSystems.

ArborSystems™, Direct-Inject™ and WedgeChek™ are trademarks of ArborSystems.

Direct Inject™ unit is protected by U.S. Patent #5,901,498
Wedgle® Tip is protected by U.S. Patent #5,239,773
WedgeChek™ is protected by U.S. Patent #5,797,215
Portle® Tip is protected by U.S. Patent #7,178,286

Keep Out of Reach of Children
CAUTION
See inside for additional precautionary statements and complete Directions for Use.

Net Contents 4 fl oz (120 ml)
(120 ml) pack.
Contains 0.2 oz (24 grams) active ingredient per 4 fl oz
Sodium salt of 2,3,4,6-bis-O-(1-methylethylidene)-a-L-xylo-2-hexulofuranosonic acid.
Total: 100.0%
OTHER INGREDIENTS 81.5%
Dikegac-sodium™ (CAS No. 52508-35-7) 18.5%
ACTIVE INGREDIENT:

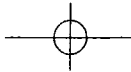
For systemic chemical pinching of landscape ornamentals. Prevents flowering and fruit/seed set of landscape ornamentals. Pinches off the fruit of landscape ornamentals.

An ArborSystems™ Direct-Inject™ Chemical
PINSCHER® PGR

NOTIFICATION
JAN 28 2005

Booklet (4 fl oz)

14 of 19



PINSCHER® PGR

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, foresters, grounds maintenance professionals and landscapers.

GENERAL INFORMATION

Do not apply to food bearing plants.

ARBORSYSTEMS™ DIRECT-INJECT™ TREE INJECTION SYSTEM

The ArborSystems Direct-Inject Tree Injection System is easy to use. Most trees are treated in as little as five minutes or less, allowing applicators to treat trees quickly. There is no need to wait for absorption (translocation). Chemical is injected into the cambial area (the active vascular system) of the tree. Because the chemical is placed right where the tree can use it, effectiveness of the chemical is increased. Use in sunny or over-cast conditions, rainy or dry, at any time of day. As no drilling or implants are required, you can treat trees year after year, with no threat of long-term or permanent damage to the tree. This system minimizes wounding and promotes long-term tree vigor.

INDICATIONS AND TREATMENT TIMING

Ornamental trees with heavy fruit or seed production can cause turf maintenance problems that require ongoing cleanup. Pinscher PGR eliminates or greatly reduces flowering and fruit/seed set without compromising tree health. Maintenance and cleanup concerns and labor are substantially reduced.

For early fruiting trees (most deciduous trees), make first year injections in the spring and late summer (approximately one month before the typical first frost). In subsequent years, make injections in the late summer for control the following year. In late fruiting trees such as Locust, Walnut and Ginko, fruiting/seeding is better controlled by injections in the early spring prior to flowering. First year applications will provide less fruit/seed reduction than subsequent appli-

cations. Apply annually for maximum effectiveness.

PRECAUTIONS

Repeated treatment may cause bark damage; check before retreatment. Do not inject Pinscher PGR into drought-stressed trees or trees that do not appear healthy.

TREE SPECIES

Ornamental trees (such as but not limited to) Cottonwood (*Populus deltoides*), Eucalyptus (*Eucalyptus* spp.), London plane tree (*Platanus acerifolia*), Maples [Bigleaf (*Acer macrophyllum*), Norway (*Acer platanoides*), Red (*Acer rubrum*) and Silver (*Acer saccharinum*)] and Sycamore (*Platanus occidentalis*)

APPLICATION RATES

Injections spaced every 4 inches.
Trees 18-30 inches CBH*: 0.5 to 1 ml
Trees >30 inches CBH*: 1 to 2 ml
*Circumference at breast height

Note: Depending on type of bark, the dosage per injection site may be cut in half and the number of injection sites doubled.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear protective eyewear and rubber or neoprene gloves when handling ArborSystems Direct-Inject chemicals.

HOW TO USE ARBORSYSTEMS DIRECT-INJECT CHEMICALS WITH ARBORSYSTEMS DIRECT-INJECT TREE INJECTION SYSTEM

1. Use only ArborSystems Direct-Inject chemicals with your unit as they have been formulated specifically for the Direct-Inject system. Use of other chemicals will invalidate warranty.
2. Attach the chemical pack to the Direct-Inject unit and prepare the unit to make injections.
3. Set the delivery volume on the unit.

4. Follow the label directions in this booklet to determine the amount of chemical and number of injection sites.
5. Determine where to make injections in the bark. Generally, the injection tip is inserted into the fissure (valley) of the tree bark. Inject thin-barked trees in the thicker part of the tree bark. Thick-barked trees require a longer injection tip.
6. Make injections working around the circumference of the tree. Make Wedgle® Tip injections within 12" of the ground. Portle® Tip injection height varies depending on type of tree and location.
7. With a smooth motion, firmly squeeze the injection unit handles. This releases a pre-measured chemical dose into the tree.
8. Continue making injections moving around the tree until the entire tree trunk has been treated.
9. During use, periodically clean the Direct-Inject unit to prevent clogging.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original 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: Completely empty pack into application equipment, then dispose of empty pack in a sanitary landfill or if allowed by State and local authorities, by burning; if burned, stay out of smoke.

NOTIFICATION
JAN 28 2009

NOTIFICATION
JAN 28 2009

150619

Canister Label (4 fl oz)

1100219

**Keep Out of Reach
of Children
CAUTION**

See booklet for additional
precautionary statements and
complete Directions for Use.

Net Contents 4 fl oz (120 ml)
EPA Reg. No. 69117-7
EPA Est. 69117-NE-1



The No-Drill Injection Solution
www.ArborSystems.com
800-698-4641 • Fax: 402-339-5011
P.O. Box 34645 • Omaha, NE 68134

PINSCHER® PGR

An ArborSystems™ Direct-Inject™ Chemical
For systemic chemical pinching of landscape ornamentals.
Prevents flowering and fruit/seed set of landscape
ornamentals. Pinches off the fruit of landscape ornamentals.
For use by professional arborists/applicators, foresters,
grounds maintenance professionals, and landscapers.

To be used only with the ArborSystems Direct-Inject
Tree Injection System.

ACTIVE INGREDIENT:	
Dikagulac-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)-α-L-xylo-
2-hexulofuranosonic acid.
Contains 0.2 oz (24 grams) active ingredient per 4 fl oz (120 ml) pack.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
The ArborSystems Direct-Inject units are designed to be used only with ArborSystems pre-
packed chemicals. Tampering with packs 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. **Pesticide Storage:** Store in
original 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:** Completely empty pack into application equipment, then dispose of empty pack in
a sanitary landfill or if allowed by State and local authorities, by burning; if burned, stay out
of smoke.

PC_PL_08-3

Pinscher® PGR

Booklet Affixed Here

PC PL 08 3

Box Label (1 qt 2 fl oz)

PINSCHER® PGR

An ArborSystems™ Direct-Inject™ Chemical
• Easy • No Drilling • Saves Time and Money

For systemic chemical pinching of landscape ornamentals. Prevents flowering and fruit/seed set of landscape ornamentals. Pinches off the fruit of landscape ornamentals.

For use by professional arborists/applicators, foresters, grounds maintenance professionals, and landscapers.

To be used only with the ArborSystems Direct-Inject Tree Injection System.

ACTIVE INGREDIENT:
Dikequat-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)-α-L-xylo-2-hexulofuranosonic acid.

Contains 1.7 oz (200 grams) active ingredient per 1 qt 2 fl oz (1000 ml) pack.

Keep Out of Reach of Children **CAUTION**

See below for additional precautionary statements.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND 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

If inhaled: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice.

If on Skin or Clothing: Take off contaminated clothing. Immediately rinse skin with plenty of water for 15-20 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 15-20 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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

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.

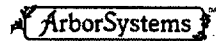
NOTICE OF WARRANTY

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.

Pinscher® PGR, Portie®, and Wedge® are registered trademarks of ArborSystems.

ArborSystems™, Direct-Inject™ and WedgeChek™ are trademarks of ArborSystems.

Direct Inject™ unit is protected by U.S. Patent #5,901,498
Wedge® Tip is protected by U.S. Patent #5,239,773
WedgeChek™ is protected by U.S. Patent #5,797,215
Portie® Tip is protected by U.S. Patent #7,178,286



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P.O. Box 34645 • Omaha, NE 68134

PC_1MB_08-1

Net Contents 1 qt 2 fl oz (1000 ml)
EPA Reg. No. 69117-7
EPA Est. 69117-NE-1

HOW TO USE ARBORSYSTEMS DIRECT-INJECT CHEMICALS WITH ARBORSYSTEMS DIRECT-INJECT TREE INJECTION SYSTEM

1. Use only ArborSystems Direct-Inject chemicals with your unit as they have been formulated specifically for the Direct-Inject system. Use of other chemicals will invalidate warranty.
2. Attach the chemical pack to the Direct-Inject unit and prepare the unit to make injections.

3. Set the delivery volume on the unit.
4. Follow the label directions on this label to determine the amount of chemical and number of injection sites.
5. Determine where to make injections in the bark. Generally, the injection tip is inserted into the fissure (valley) of the tree bark. Inject thin-barked trees in the thicker part of the tree bark. Thick-barked trees require a longer injection tip.
6. Make injections working around the circumference of the tree. Make Wedge®

- Tip injections within 12" of the ground.
- Portie® Tip injection height varies depending on type of tree and location.
7. With a smooth motion, firmly squeeze the injection unit handles. This releases a pre-measured chemical dose into the tree.
8. Continue making injections moving around the tree until the entire tree trunk has been treated.
9. During use, periodically clean the Direct-Inject unit to prevent clogging.

PINSCHER® PGR

DIRECTIONS FOR USE

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

GENERAL INFORMATION

Do not apply to food bearing plants.

ARBORSYSTEMS™ DIRECT-INJECT™ TREE INJECTION SYSTEM

The ArborSystems Direct-Inject Tree Injection System is easy to use. Most trees are treated in as little as five minutes or less, allowing applicators to treat trees quickly. There is no need to wait for absorption (translocation). Chemical is injected into the cambial area (the active vascular system) of the tree. Because the chemical is placed right where the tree can use it, effectiveness of the chemical is increased. Use in sunny or overcast conditions, rainy or dry, at any time of day. As no drilling or implants are required, you can treat trees year after year, with no threat of long-term or permanent damage to the tree. This system minimizes wounding and promotes long-term tree vigor.

INDICATIONS AND TREATMENT TIMING

Ornamental trees with heavy fruit or seed production can cause turf maintenance

problems that require ongoing cleanup. Pinscher PGR eliminates or greatly reduces flowering and fruit/seed set without compromising tree health. Maintenance and cleanup concerns and labor are substantially reduced.

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PRECAUTIONS

Repeated treatment may cause bark damage; check before retreatment. Do not inject Pinscher PGR into drought-stressed trees or trees that do not appear healthy.

TREE SPECIES

Ornamental trees (such as but not limited to) Cottonwood (*Populus deltoides*), Eucalyptus (*Eucalyptus* spp.), London plane tree (*Platanus acerifolia*), Maples [Bigleaf (*Acer macrophyllum*), Norway (*Acer platanoides*), Red (*Acer rubrum*) and Silver (*Acer saccharinum*)] and Sycamore (*Platanus occidentalis*)

APPLICATION RATES

Injections spaced every 4 inches.
Trees 18-30 inches CBH*: 0.5 to 1 ml
Trees >30 inches CBH*: 1 to 2 ml
*Circumference at breast height

Note: Depending on type of bark, the dosage per injection site may be cut in half and the number of injection sites doubled.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Wear protective eyewear and rubber or neoprene gloves when handling ArborSystems Direct-Inject chemicals.

STORAGE AND DISPOSAL

Do not contaminate water; do not feed by storage or disposal.

Pesticide Storage: Store in original 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: Completely empty pack into application equipment, then dispose of empty pack in a sanitary landfill or if allowed by State and local authorities, by burning; if burned, stay out of smoke.