



LICENSED

LICENSED

PERIOD 2012-2014 LIC. NO.

PERIOD 2015-2017 LIC. NO.

9786.95

Pathfinder® II



Basal Bark



Cut Stump

Specialty Herbicide

For the control of woody plants in forests, in rangeland and permanent pastures, and in non-crop areas including industrial manufacturing and storage sites, rights-of-way such as electrical power lines, communication lines, pipelines, road sides and railroads, fence rows, non-irrigation ditch banks and around farm buildings. Use on these sites may include application to grazed areas as well as establishment and maintenance of wildlife openings.

Active Ingredient:

triclopyr: 3,5,6-trichloro-2-pyridinyloxyacetic acid, butoxyethyl ester.....	13.6%
Other Ingredients.....	86.4%
Total.....	100.0%

Acid Equivalent: triclopyr – 9.81% – 0.75 lb/gal

Keep Out Of Reach Of Children

CAUTION PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

Agricultural Use Requirements

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. Refer to label booklet under "Agricultural Use Requirements" in the Directions for Use section for information about this standard.

For additional Precautionary Statements, First Aid, Storage and Disposal and other use information see inside this label.

Notice: Read the entire label. Use only according to label directions. **Before using this product, read Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies at end of label booklet. If terms are unacceptable, return at once unopened.**

In case of emergency endangering health or the environment involving this product, call 1-800-992-5994. If you wish to obtain additional product information, visit our web site at www.dowagro.com.

Agricultural Chemical: Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-176

EPA Est. 464-MI-1
900-018334 / 00056830

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Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

Net Contents **2.5 gal**

Precautionary Statements

Hazard to Humans and Domestic Animals

CAUTION

Harmful If Swallowed • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals

Personal Protective Equipment (PPE)

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category E on an EPA chemical resistance category selections chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or viton
- Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, 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.

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.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

Environmental Hazards

This pesticide is toxic to fish. 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 cleaning equipment or disposing of equipment washwaters.

This chemical has 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.

Directions for Use

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

Read all Directions for Use carefully before applying.

Ready-to-Use, No Mixing Required.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation.

Agricultural Use Requirements

(For Ground Application Only)

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.

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:

- Coveralls
- Chemical-resistant gloves such as barrier laminate, nitrile rubber, neoprene rubber, or viton
- Shoes plus socks

Non-Agricultural Use Requirements

(For Ground Application Only)

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.

Entry Restrictions for Non-WPS Uses: Do not enter or allow others to enter the treated area until sprays have dried.

Storage and Disposal

Do not contaminate water, food or feed by storage and disposal. Open dumping is prohibited.

Pesticide Storage: Store above 28°F or agitate before use.

Pesticide Disposal: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Handling: Nonrefillable container. Do not reuse or refill this container. Offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying. **Triple rinse** as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. **Pressure rinse** as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

Product Information

Pathfinder® II specialty herbicide is a ready-to-use product which is recommended for the control of woody plants through the use of basal bark application techniques in forests, in rangeland and permanent pastures, and in non-crop areas including industrial manufacturing and storage sites, rights-of-way such as electrical power lines, communication lines, pipelines, road sides and railroads, fence rows, non-irrigation ditch banks and around farm buildings. Use on these sites may include application to grazed areas as well as establishment and maintenance of wildlife openings.

Use Precautions and Restrictions

Apply this product only as specified on this label.

Chemigation: Do not apply this product through any type of irrigation system.

Use of this product in certain portions of California, Oregon, and Washington is subject to the January 22, 2004 Order for Injunctive Relief in *Washington Toxics Coalition, et al. v. EPA*, C01-0132C (W.D. WA). For further information, please refer to EPA's web site <http://www.epa.gov/espp/litstatus/wtc/>.

It is permissible to treat non-irrigation ditch banks, seasonally dry wetlands, flood plains, deltas, marshes,

swamps, bogs, and transitional areas between upland and lowland sites. Do not apply to open water (such as lakes, reservoirs, rivers, streams, creeks, salt water bays or estuaries) nor to water present in fresh water wetlands, deltas, marshes, swamps, bogs or potholes, or to salt water marshes below the mean high water mark.

Do not apply Pathfinder II directly to, or otherwise permit it to come into direct contact with, grapes, tobacco, cotton, vegetable crops, flowers or other desirable broadleaf plants, and do not permit spray mists containing it to drift onto them.

Pathfinder II is formulated as a low volatile ester. However, the combination of spray contact with impervious surfaces, such as roads and rocks, and increasing ambient air temperatures, may result in an increase in the volatility potential for this herbicide, increasing a risk for off-target injury to sensitive crops such as grapes and tomatoes.

Grazing and Haying Restrictions

Except for lactating dairy animals, there are no grazing restrictions following application of this product.

- **Grazing Lactating Dairy Animals:** Do not allow lactating dairy animals to graze treated areas until the next growing season following application of this product.
- Do not harvest hay for 14 days after application.
- Grazed areas of non-cropland and forestry sites may be spot treated if they comprise no more than 10% of the total grazable area.

Slaughter Restrictions: During the season of application, withdraw livestock from grazing treated grass at least 3 days before slaughter.

Avoiding Injurious Spray Drift

Applications should be made only when there is little or no hazard from spray drift. Very small quantities of spray, which may not be visible, may seriously injure susceptible plants. Do not spray when wind is blowing toward susceptible crops or ornamental plants near enough to be injured.

Spray drift can be reduced by using spray pressures no greater than are required to obtain adequate coverage; by using large droplet producing nozzle tips; and by spraying when wind velocity is low. Do not apply with nozzles that produce a fine droplet spray. Do not apply with an orchard type mist blower.

Do not apply on snow or frozen ground.

Untreated trees occasionally can be affected by movement of the herbicide through root grafting with the treated trees.

Since this herbicide moves within the treated plant, do not use Pathfinder II on parts of a multiple stem plant if injury to the untreated portions (cut or standing stems) cannot be tolerated.

Do not apply on ditches used to transport irrigation water. Do not apply where runoff or irrigation water may flow onto agricultural land as injury to crops may result.

Be sure that use of this product conforms to all applicable regulations.

Woody Plant Species Controlled

ailanthus	hackberry	olive, Russian
alder, red	hawthorne	osage orange
alder, speckled	hazel	pecan
ash, green	hedge	persimmon,
ash, white	hercules club	common
aspen ¹	hickory, mockernut	pine, jack
Australian pine	hickory, pignut	pine, loblolly
basswood	honeylocust	pine, ponderosa
beech, American	hornbeam	pine, red
birch, black	(blue beach)	pine, white
birch, gray	huisache	plum (<i>Prunus</i> spp.)
birch, paper	locust, black ¹	plum, sand
blackberry	lotebush	plum, wild
blackgum	madrone, Pacific	poison ivy
boxelder	manzanita,	poison oak
bois d'arc	greenleaf	poplar, balsam
briar, green	maple, bigleaf ¹	privet ¹
Brazilian pepper	maple, mountain	redcedar, eastern
cherry, black ¹	maple, red	rose, multiflora
cherry, choke	maple, silver	salt cedar ¹
cherry, pin	maple, striped	sassafras ¹
chinaberry	maple, sugar	sumac, smooth ¹
Chinese tallow tree	maple, vine	sumac, staghorn ¹
cottonwood	mesquite ^{1,3}	sweetgum
dogwood,	mountain-laurel	sycamore
flowering	oak, black ²	tamarack
dogwood,	oak, blackjack ²	tanoak
red-osier,	oak, chestnut	walnut
elbow bush	oak, post ²	waxmyrtle
elm, American	oak, red	willow
elm, winged ¹	oak, scarlet	yaupon
gallberry	oak, water	yellow poplar
greenbriar ¹	oak, white	yucca
guava	olive, autumn	

¹Some resprouting may occur.

²Not recommended for streamline basal treatment.

³Suppression only with streamline basal bark treatment.

Application Methods

Maximum Use Rates:

- Apply no more than 2.7 gallons (2 lb ae) per acre per year on rangeland and permanent pastures.
- Apply no more than 8 gallons (6 lb ae) per acre per year on forestry sites.
- Apply no more than 10.7 gallons (8 lb ae) per acre per year on non-crop areas.

Application in Forests, in Rangeland and Permanent Pastures, and in Non-Crop Areas

Individual plant treatments such as basal bark and cut surface applications may be used on any use site listed on this label at a maximum use rate of 10.7 gallons of Pathfinder II (8 lb ae of triclopyr) per acre. These types of

applications are made directly to ungrazed parts of plants and, therefore, are not restricted by the grazing maximum rate of 2.7 gallons of Pathfinder II (2 lb ae of triclopyr) per acre.

Low Volume Basal Bark Treatment

To control susceptible woody plants with stems less than 6 inches in basal diameter, apply Pathfinder II with a backpack or knapsack sprayer using low pressure and a solid cone or flat fan nozzle. Spray the basal parts of brush and tree trunks in a manner which thoroughly wets the lower 12 to 15 inches of stems, including the root collar area, but not to the point of runoff. Herbicide concentration should vary with size and susceptibility of species treated. Apply at any time, including the winter months, except when snow or water prevent spraying to the ground line.

Cut Stumps Treatment

To control resprouting, apply undiluted Pathfinder II to wet the area adjacent to the cambium and bark around the entire circumference and the sides of cut stumps. Sides of stumps should be thoroughly wetted down to the root collar area, but not to the point of runoff. Treatments may be applied throughout the year, except when snow or water prevent spraying to the ground line. Control may be reduced with treatment during periods of moisture stress as in late summer.

Streamline Basal Bark Treatment (Southern States)

To control or suppress susceptible woody plants for conifer release or in rangeland and pasture, apply Pathfinder II with a backpack or knapsack sprayer using equipment which provides a directed straight-stream spray. Apply sufficient spray to one side of stems less than 3 inches in basal diameter to form a treated zone that is 6 inches in height. When the optimum amount of spray mixture is applied, the treated zone should widen to encircle the stem within approximately 30 minutes. Treat both sides of stems which are 3 to 4 inches in basal diameter. Direct the spray at bark that is approximately 12 to 24 inches above ground. Pines (loblolly, slash, shortleaf, and Virginia) up to 2 inches in diameter breast height (dbh) can be controlled by directing the spray at the point approximately 4 feet above ground. Best results are achieved when applications are made to young vigorously growing stems that have not developed the thicker bark characteristic of slower growing, understorey trees in older stands. This technique is not recommended for scrub and live oak species, including blackjack, turkey, post, live, bluejack and laurel oaks. Apply from approximately 6 weeks prior to hardwood leaf expansion in the spring until approximately 2 months after leaf expansion is completed. Do not apply when snow or water prevent spraying at the desired height above ground level.

Terms and Conditions of Use

If terms of the following Warranty Disclaimer, Inherent Risks of Use, and Limitation of Remedies are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, use by the buyer

or any other user constitutes acceptance of the terms under Warranty Disclaimer, Inherent Risks of Use and Limitations of Remedies.

Warranty Disclaimer

Dow AgroSciences warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT PERMITTED BY LAW, Dow AgroSciences MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Dow AgroSciences or the seller. All such risks shall be assumed by buyer.

Limitation of Remedies

To the extent permitted by law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at Dow AgroSciences' election, one of the following:

1. Refund of purchase price paid by buyer or user for product bought, or
2. Replacement of amount of product used.

To the extent permitted by law, Dow AgroSciences shall not be liable for losses or damages resulting from handling or use of this product unless Dow AgroSciences is promptly notified of such loss or damage in writing. In no case shall Dow AgroSciences be liable for consequential or incidental damages or losses.

The terms of the Warranty Disclaimer, Inherent Risks of Use, and this Limitation of Remedies cannot be varied by any written or verbal statements or agreements. No employee or sales agent of Dow AgroSciences or the seller is authorized to vary or exceed the terms of the Warranty Disclaimer or this Limitation of Remedies in any manner.

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EPA accepted 05/26/11

NOTES

NOTES



Pathfinder® II

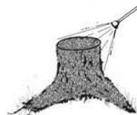
Specialty Herbicide

For the control of woody plants in forests, in rangeland and permanent pastures, and in non-crop areas including industrial manufacturing and storage sites, rights-of-way such as electrical power lines, communication lines, pipelines, road sides and railroads, fence rows, non-irrigation ditch banks and around farm buildings.

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Basal Bark



Cut Stump

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Other Ingredients.....	86.4%
Total	100.0%

Acid Equivalent: triclopyr – 9.81% – 0.75 lb/gal

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Of Children**

**CAUTION
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EPA Reg. No. 62719-176 900-018334 / 00056830

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**Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268**



(01) 0 06 62974 16758 7

Net Contents **2.5 gal**

51 1/4"

1 7/16"

14 15/16"

9 15/16"

15 1/16"

9 7/8"

Do Not Cut To Open
Contents In Plastic

We support
plastic container
recycling
Member of the
Ag Container
Recycling Council



4 7/8"

Dow AgroSciences

Pathfinder II

Specialty Herbicide

For the control of woody plants in forests, in rangeland and permanent pastures, and in non-crop areas including industrial manufacturing and storage sites, rights-of-way such as electrical power lines, communication lines, pipelines, road sides and railroads, fence rows, non-irrigation ditch banks and around farm buildings. Use on these sites may include application to grazed areas as well as establishment and maintenance of wildlife openings.



Basal Bark

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Refer to inside of label booklet for additional precautionary information including Directions for Use.

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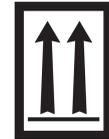
EPA Reg. No. 62719-176 EPA Est. 464-MI-1

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Produced for
Dow AgroSciences LLC
9330 Zionsville Road
Indianapolis, IN 46268

2 x 2.5 gal

00016758



Dow AgroSciences

Pathfinder II

Specialty Herbicide

2 x 2.5 gal

Dow AgroSciences

Pathfinder II

Specialty Herbicide

2 x 2.5 gal



00016758

UN 4G/Z31.2/S/11
USA/+AA2111



Dow AgroSciences

Pathfinder II

Specialty Herbicide

2 x 2.5 gal

15 5/16"

25 1/16"
CORR.

900-018335 / 00014620
BOX MFG. DATE:

4 7/8"

Supplemental Labeling



Dow AgroSciences

Dow AgroSciences LLC

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

Pathfinder® II

EPA Reg. No. 62719-176

(For Use and Distribution in the States of Arizona, California, Hawaii and Nevada Only)

Weed Control in Commercial and Residential Landscapes

ATTENTION

- It is a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This labeling must be in the possession of the user at the time of application.
- Read the label affixed to the container for Pathfinder® II specialty herbicide before applying. Carefully follow all precautionary statements and applicable use directions.
- Use of Pathfinder II according to this supplemental labeling is subject to all use precautions and limitations imposed by the label affixed to the container for Pathfinder II.

Directions for Use

Refer to product label for Use Precautions and Restrictions and Application instructions.

Pathfinder II may be used as an individual plant treatment for the control of small brush, trees and woody plants in mixed commercial and residential landscapes. This treatment is intended for use on smooth-barked stems less than 4 inches in diameter.

For control of small trees and woody plants growing in and around landscaped or turfgrass areas, apply Pathfinder II as a cut stump or low volume basal bark treatment only. Spray to wet but not to runoff. Always keep spray pressure low and directed at close range toward the target plant.

Specific Use Precautions and Restrictions:

- Do not apply more than 10.7 gallons of Pathfinder II (8 lb ae of triclopyr) per acre per year.
- Do not use on or around edible food or food crops.
- Do not apply Pathfinder II to foliage or stems of desirable plants.
- Do not allow spray drift to contact desirable plants.
- Do not spray when wind is blowing toward desirable herbaceous ornamentals, flowers and gardens near enough to be injured.
- Do not apply this product in a way that will contact any person or pet, either directly or through drift. Keep people and pets out of the area during application.
- Avoid contact with eyes, skin, or clothing during and after application.
- Pathfinder II is a ready to use product. Do not mix Pathfinder II in water.
- Pathfinder II is formulated as a low volatile ester. However, the combination of spray contact with impervious surfaces, such as roads and rocks, and increasing ambient air temperatures, may result in an increase in the volatility potential for this herbicide, increasing a risk for injury to sensitive crops such as grapes, tomatoes, or other sensitive broadleaf plants.

Note: This pesticide is toxic to fish. Refer to the Environmental Hazards section of the product label attached to the product container for required protective measures.

This supplemental label expires on August 1, 2016 and must not be used or distributed after this date.

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R104-004

EPA accepted 10/15/14

Replaces R104-003