

(Container)

 **Dow AgroSciences**
Formula* 40F
Forestry Herbicide

GROUP	4	HERBICIDE
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- Contains 2,4-D.
- For ground application to control broadleaved weeds and susceptible brush in forestry and industrial sites.

COMMERCIAL

READ THE LABEL BEFORE USING
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: 2,4-D (isomer specific) 470 g/L
(present as amine salt)

REGISTRATION NO. 16994 PEST CONTROL PRODUCTS ACT

WARNING  **POISON**

NET CONTENTS: 205 L, bulk

Dow AgroSciences Canada Inc.
Suite 201, 1144 - 29 Avenue N.E.
Calgary, Alberta
T2E 7P1
1-800-667-3852

*Trademark of Dow AgroSciences LLC

PRECAUTIONS

DO NOT APPLY BY AIR

Causes irritation of skin and eyes. Do not get in eyes. Avoid contact with skin and clothing.

PROTECTIVE CLOTHING AND EQUIPMENT

Handling The Concentrate (mixing and loading): Wear long-sleeved shirt, long pants, chemical-resistant gloves, socks, shoes and protective eye wear (face shield or safety glasses). Rinse gloves before removal.

Coveralls or a chemical-resistant apron should also be worn when open pouring from containers greater than 5 L.

Handling The Dilute Spray Mixture (during application or repairing or cleaning equipment): Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes. Rinse gloves before removal.

Gloves are not required during application when the applicator is in an enclosed tractor.

OPERATOR USE PRECAUTIONS

- Wear freshly laundered clothing and clean protective equipment daily.
- Rinse gloves before removal.
- Wash hands before eating, drinking, using tobacco or using the toilet.
- If herbicide penetrates clothing remove immediately; then wash thoroughly and put on clean clothing. Throw away clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate.
- After using this product, remove clothing and launder separately, and promptly and thoroughly wash hands and exposed skin with soap and water. Follow manufacturer's instructions for cleaning personal protective clothing and equipment. If no such instructions for washables are provided, use detergent and hot water. Keep and wash personal protective equipment separate from household laundry.
- After work, remove all clothing and shower using soap and water.

Transfer System for Containers Larger than 20 L: Use a transfer system that avoids open pouring when transferring the liquid concentrate from such containers into the spray tank.

FIRST AID

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

In case of contact, flush eyes with plenty of water for at least 15 minutes and get medical attention. Wash skin with soap and plenty of water. If swallowed, induce vomiting. GET MEDICAL ATTENTION OR CONTACT A POISON CONTROL CENTRE IMMEDIATELY.

TOXICOLOGICAL INFORMATION

No specific antidote. Employ supportive care. Treatment should be based on judgement of the physician in response to reactions of the patient.

AGRICULTURAL CHEMICAL

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

STORAGE

Do not store near fertilizers, seeds, insecticides or fungicides. To avoid injury to desirable plants, containers used for this product should not be reused to contain other materials. If this product is exposed to temperatures below 0°C, it should be warmed to at least +4°C and mixed thoroughly before using.

SPRAYER CLEAN-UP AND DISPOSAL OF WASTE

Spray equipment used to apply 2,4-D should not be used to apply other pesticides to susceptible crops. If it is necessary to do so, contact your Dow AgroSciences Herbicide Dealer for detailed equipment clean-up procedures.

DISPOSAL

Do not reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

NOTE: Local conditions may affect the use of herbicides. Provincial agricultural authorities issue recommendations to fit local conditions. Be sure that use of this product conforms to all applicable regulations.

NOTICE TO USER: This control product is to be used only in accordance with the directions on this label. It is an offence under the *Pest Control Products Act* to use a control product under unsafe conditions.

NOTICE TO BUYER: Seller's guarantee shall be limited to the terms set out on the label and, subject thereto, the buyer assumes the risk to persons or property arising from the use or handling of this product and accepts the product on that condition.

(Booklet)

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DIRECTIONS FOR USE

General

Apply Formula 40F Forestry Herbicide in the amount of water required for even distribution. Spray at low pressures (200 to 275 kPa) during warm weather when weeds and brush are young and growing actively. This product can be used to control unwanted brush and/or weeds in industrial sites such as powerline, hydro or railway rights of way and storage yards, as well as individual tree treatments in forest sites.

DO NOT APPLY BY AIR.

To Prepare a Spray

Add half the required amount of water to the spray tank, then the Formula 40F Forestry Herbicide with agitation and finally the balance of the water with continued agitation.

Industrial Sites

Brush Foliage Treatment By Ground Application: Spray woody growth up to 2.5 m tall after foliage is well developed, using a drenching spray containing 9.0 L of Formula 40F Forestry Herbicide per 100 L of water. Some taller brush can be sprayed successfully, although in many cases basal bark or stump treatment is preferable. Poison ivy, some brambles and certain other susceptible species may be controlled by using 5 L per 100 L of water. Coverage should be complete and all parts of the plants, including foliage, shoot stems and bark, should be wet with spray. Best results usually will be obtained from applications made soon after maximum foliage development in the spring. Less effective control may result during prolonged hot, dry weather. With good growing conditions, applications may be made up to 2 to 3 weeks before normal frost time. Repeat applications may be necessary as new growth develops. For 2,4-D resistant species use Tordon* 101 mixture herbicide.

Roadside And General Weed Control: For taller weed growth such as in vacant lots, on roadsides and along fence rows, sufficient spray should be used to wet all foliage thoroughly. Use Formula 40F Forestry Herbicide at the rate of 3.75 L in 1000 L of water. Deep-rooted perennial weeds such as bindweed and Canada thistle may require repeated applications as new growth appears.

Pre-Harvest/Grazing Intervals

- Do not permit lactating dairy animals to graze fields within 7 days after application.
- Do not harvest forage or cut hay within 30 days after application.
- Withdraw meat animals from treated fields at least 3 days before slaughter.

For Treating Small Areas: 50 mL of Formula 40F Forestry Herbicide in 10 L of water is approximately equivalent to 5.0 L in 1000 L.

Industrial and Forest Sites (For Control Of Red Alder And Willow)

Stump Treatment: Where growth is greater than 2 to 3 m, cut it close to the ground (at least 50 cm) and treat all the stumps and stubs. Use a solution of one part Formula 40F Forestry Herbicide to 2 parts of water and apply with a brush or sprayer to obtain complete coverage of all cut surfaces. Apply at any time, including the winter months, preferably to freshly cut stumps. Best results are obtained on stumps 5 cm across or larger. Trash from brush cutting operations such as sawdust, leaves, branches, etc. should be removed from the base of the stumps before the chemical is applied.

Frilling and Injector Treatment: For trees over 15 cm DBH (diameter at breast height) make a complete frill around the tree by making a series of overlapping axe cuts. For trees smaller than 15 cm make one notch for each 3 cm of diameter. Prepare the injection solution by diluting one part of Formula 40F Forestry Herbicide with 2 parts of water. Inject 1 mL of this solution into each notch cut into the tree. For trees with a complete frill apply as much solution as the frill will hold without runoff. The notch or injector hold should be angled downward so as to retain the chemical. Spacing is important.

USE PRECAUTIONS - WARNING

Sensitive Plants

Do not apply this product directly to, or otherwise permit it to come into contact with vegetables, flowers, grapes, fruit trees and other desirable plants that are sensitive to 2,4-D and do not permit spray mist containing it to drift into them, since even minute quantities of the spray may cause severe injury during both growing and dormant periods (coarse sprays are less likely to drift). Accordingly, application by ground rigs and hand dispensers should be carried out only when there is no hazard from drift. At higher temperatures, vaporization may cause injury to susceptible plants growing nearby.

Do not contaminate irrigation ditches or water used for domestic purposes.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Formula 40F Forestry Herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to Formula 40F Forestry Herbicide and other Group 4 herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Other resistance mechanisms that are not linked to site of action, but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay herbicide resistance:

- Where possible, rotate the use of Formula 40F Forestry Herbicide or other Group 4 herbicides with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group when such use is permitted.
- Herbicide use should be based on an IPM program that includes scouting, historical information related to herbicide use and crop rotation, and considers tillage (or other mechanical), cultural, biological and other chemical control practices.

- Monitor treated weed populations for resistance development.
- Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment and planting clean seed.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Dow AgroSciences Canada Inc. at 1-800-667-3852 or at www.dowagro.ca.

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