

GROUP 4 HERBICIDE

**DYCLEER® 24
LIQUID HERBICIDE**

HERBICIDE

COMMERCIAL

For the control of deciduous and coniferous brush species and broadleaf weeds in non-cropland areas such as roadsides, utility rights-of-way, railways, wasteland and similar areas, and established turf.

GUARANTEE:

Dicamba, present as dimethylamine salt 200 g a.e./L
2,4-D, present as dimethylamine salt..... 382 g a.e./L
(isomer specific)

READ THE LABEL AND PAMPHLET BEFORE USING

WARNING



POISON

REGISTRATION NUMBER **11547**
PEST CONTROL PRODUCTS ACT

NET CONTENTS: **10 L**

Syngenta Crop Protection Canada, Inc.
140 Research Lane, Research Park
Guelph, Ontario
N1G 4Z3
Telephone: 1-877-964-3682

Label

NOTICE TO USER

This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label. The user assumes the risk to persons or property that arises from any such use of this product.

FIRST AID

IN CASE OF POISONING, contact a physician or poison control centre **IMMEDIATELY**. Take container, label, or product name and Pest Control Product Registration Number with you when seeking medical attention.

In case of contact with skin or clothing, Take off contaminated clothing. Rinse skin immediately with plenty of water for 15–20 minutes. Call a poison control centre or doctor for treatment advice.

In case of contact with 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 centre or doctor for treatment advice.

If swallowed, Call a poison control centre 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 centre or doctor. Do not give anything by mouth to an unconscious person.

TOXICOLOGICAL INFORMATION

This product may cause severe irritation to the eyes. Overexposure to 2,4-D may cause coughing, burning, dizziness or temporary loss of muscle coordination. Other possible effects of overexposure include fatigue, muscle weakness or nausea. Treat symptomatically.

PRECAUTIONS

1. KEEP OUT OF REACH OF CHILDREN.
2. Harmful if swallowed or absorbed through the skin.
3. Avoid contact with skin, eyes or clothing.

STORAGE

Thaw if frozen. Shake before use.

GENERAL PRECAUTIONS

1. DO NOT APPLY BY AIR.
2. Do not apply (except as recommended) on or near desirable trees or plants, or in locations where chemical may be washed into contact with their roots.
3. Apply in the morning or late in the evening when air temperature is between 10 and 25 °C.
4. Do not contaminate domestic or irrigation waters. Thoroughly clean application equipment after use.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's website at www.croplife.ca.

PROTECTION CLOTHING AND EQUIPMENT

Handling the concentrate (mixing and loading): wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, and protective eye wear (face shields 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 solution (during application or repairing or cleaning equipment): wear a long-sleeved shirt, long pants, and chemical-resistant gloves, socks and shoes. Rinse gloves before removal.

Gloves are not required during application when 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.

DECONTAMINATION AND DISPOSAL

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.

CONTAINER DISPOSAL:

FOR DISPOSAL OF PLASTIC JUGS:

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple- or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

***IN CASE OF EMERGENCY INVOLVING A MAJOR SPILL, FIRE OR POISONING
CALL 1-800-327-8633 (FASTMED)***

Product names marked ® or ™ are registered trademarks of a Syngenta Group Company

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CALL 1-800-327-8633 (FASTMED)***

GENERAL DIRECTIONS FOR USE

This product is only effective when applied to the leaves of actively growing weeds. This product will not prevent new weeds – apply only when weeds are present.

DO NOT apply more than two broadcast applications per season. This does not include spot treatments.

If weed populations DO NOT warrant a broadcast application (e.g. entire lawn), consider spot treatments that target only weedy areas.

DO NOT apply by air.

DO NOT apply this product directly to freshwater habitats such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands, estuaries or marine habitats.

DO NOT contaminate irrigation/drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

DO NOT apply to the exposed roots of trees and ornamentals.

Field Sprayer Application

DO NOT apply during periods of dead calm. Avoid application of this product when winds are gusty. DO NOT apply with spray droplets smaller than the American Society of Agricultural Engineers (ASAE) medium classification.

Buffer Zones

The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive terrestrial habitats such as grasslands, forested areas, shelter belts, woodlots, hedgerows, pastures, rangelands and shrublands. The buffer zones in the table below are reduced by 70% with the use of shrouds and 30% with the use of cones on field sprayers. A further substantial reduction can be achieved by using ASAE coarse droplet size instead of medium droplet size.

When a tank mixture is used, consult the labels of the tank mix partners and use the largest (most restrictive) buffer zone recommended for any of the products.

Buffer Zones (metres) Required To Protect Terrestrial Habitat When Using Tractor-pulled Boom Sprayers					
Medium Droplet Size 250-350 µm Volume Mean Diameter			Coarse Droplet Size 350-450 µm Volume Mean Diameter		
Buffer Zone	Using Shrouds	Using Cones	Buffer Zone	Using Shrouds	Using Cones
20	6	14	4	1	3

ENVIRONMENTAL HAZARDS

TOXIC to broadleaf terrestrial plants. This product may harm other broadleaf plants in the vicinity of the treatment area. Observe buffer zones specified under GENERAL DIRECTIONS FOR USE.

Leaching

To minimize possible contamination of groundwater, the use of spot treatment application is recommended in areas where soils are permeable (e.g., sandy soil) or the water table is shallow.

Run-off

To reduce runoff from treated areas into aquatic habitats, avoid application to areas with a moderate to steep slope, bare soil, compacted soil, or clay.

Avoid application of this product when heavy rain is forecast.

Contamination of aquatic areas as a result of run-off may be reduced by including a strip of untreated vegetation between the treated area and the edge of the water body.

DIRECTIONS FOR USE

DECIDUOUS & CONIFEROUS BRUSH CONTROL

IMPORTANT APPLICATION/DIRECTIONS:

1. Apply DYCLEER 24 Liquid herbicide in spring or early summer to coniferous and deciduous brush species (after the leaves have fully expanded) and stop applications at least 3 weeks prior to change of leaf colour in the fall.
2. Apply to foliage to the point of runoff. Complete coverage is essential for effective control.
3. For best results and ease of application, cut brush or trees over 2 m in height and treat re-growth when it develops.
4. The volume of spray per hectare will vary according to the height and density of the wood species present.
5. DYCLEER 24 Liquid herbicide will not mix with oils.

SPRAY DRIFT PRECAUTIONS:

DYCLEER 24 Liquid herbicide may cause injury to desirable trees and plants, particularly soybeans, flowers, fruit trees, grapes, ornamentals, peas, potatoes, tomatoes and tobacco. Follow these precautions when spraying DYCLEER 24 Liquid herbicide in areas where sensitive crops are grown.

1. Do not treat areas where downward movement into the soil or surface washing may bring DYCLEER 24 Liquid herbicide into contact with the roots of desirable plants.
2. Avoid making applications where spray particles may be carried by air currents onto nearby sensitive crops. Do not spray near sensitive crops when winds are gusty or in excess of 8 km/hour and moving towards sensitive crops. Leave an adequate buffer zone between areas to be treated and sensitive plants.
3. Do not apply DYCLEER 24 Liquid herbicide in the vicinity of sensitive crops when the temperature on the day of application is expected to exceed 30°C as drift is more likely to occur.
4. Ensure that spray equipment used to apply DYCLEER 24 Liquid herbicide is properly cleaned before re-using to apply any other chemicals.

SPECIES CONTROLLED	RATE PER 1000 LITRES OF WATER
Western snowberry (buckbrush) wolf willow (silver willow) aspen poplar wild rose alder cherry	5.0 L DYCLEER 24 Liquid herbicide
balsam poplar basswood birch elm hickory vine maple black cottonwood bur oak red oak white spruce red spruce pine balsam fir tamarack white cedar red cedar	10.0 L DYCLEER 24 Liquid herbicide

BROADLEAF WEED CONTROL:**IMPORTANT APPLICATION DIRECTIONS:**

Apply DYCLEER 24 Liquid herbicide in 110 to 220 litres of water per hectare when weeds are actively growing. For poison ivy control use 560 litres of water per hectare. Thorough coverage of foliage is necessary to control weeds.

SPECIES CONTROLLED	RATE PER HECTARE
Top growth of: absinthe Canada thistle leafy spurge poverty weed perennial sow-thistle scentless mayweed	2.75 L DYCLEER 24 Liquid herbicide
poison ivy	4.25 L DYCLEER 24 Liquid herbicide
perennial sowthistle* common ragweed false ragweed giant ragweed English daisy goldenrod wild carrot tansy ragwort Canada thistle* field bindweed*	5.5 L DYCLEER 24 Liquid herbicide *Apply to regrowth of perennial sow-thistle, Canada thistle and field bindweed in summer and fall
top growth of curled dock	
diffuse knapweed goat's beard ground cherry pasture sage poverty weed sheep sorrel thyme-leaved spurge	11.0 L DYCLEER 24 Liquid herbicide

ESTABLISHED TURF:**IMPORTANT APPLICATION/DIRECTIONS**

Apply DYCLEER 24 Liquid herbicide tank-mixes in at least 110 litres of water per hectare as a foliar spray to actively growing weeds. Best results will be obtained if application is made in early spring or fall, at least 2 weeks prior to first frost. Apply with caution near trees or shrubs. Do not apply closer than the drip line of trees and shrubs. Do not apply to Bent Grass lawns. Do not rake, mow or water lawn within 24 hours after application.

SPECIES CONTROLLED	RATE PER HECTARE
Clover sheep sorrel mouse-eared chickweed erect knotweed Dandelion Plantain	2.75 L DYCLEER 24 Liquid herbicide

MAXIMUM APPLICATION FREQUENCY TO TURF

For good turf/lawn management, normally two applications per year per treatment site are adequate. This does not include spot treatments.

RE-ENTRY INTERVAL

Do not allow people (other than applicator) or pets on treatment area during application. Do not enter treated areas until spray has thoroughly dried.

GRAZING RESTRICTION

Treated areas should not be grazed or cut for hay.

Resistance-Management Recommendations

For resistance management, DYCLEER 24 Liquid herbicide is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to DYCLEER 24 Liquid 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 DYCLEER 24 Liquid 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 and to report suspected resistance, contact Syngenta Crop Protection Canada, Inc. company representatives at 1-87-SYNGENTA (1-877-964-3682) or at www.syngenta.ca.

This label transcript service is offered by the Pest Management Regulatory Agency to provide efficient searching for label information. This service and this information do not replace the official hard-copy label. The PMRA does not provide any guarantee or assurance that the information obtained through this service is accurate, current or correct, and is therefore not liable for any loss resulting, directly or indirectly, from reliance upon this service.