

BASE

DIPHENOPROP BK 700

HERBICIDE

COMMERCIAL

READ THE LABEL AND ATTACHED BOOKLET BEFORE USING

WARNING



POISON

GUARANTEE

Dichlorprop 350 g/L

2,4-D isomer specific 329 g/L

(both present as butoxyethanol esters)

REGISTRATION NO. 16724

PEST CONTROL PRODUCTS ACT

UNITED AGRI PRODUCTS CANADA INC.

789 DONNYBROOK DR.

DORCHESTER, ONTARIO

CANADA

N0L 1G5

NET CONTENTS: 10L, 115L

03/06

FRONT

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PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. Causes skin and eye irritation. Do not inhale fumes. Avoid breathing spray mist. Harmful if swallowed or inhaled. Avoid contact with skin, eyes or clothing. Sprays and vapours may injure broadleaf crops such as vegetables, fruits and ornamentals. Use only for recommended purposes and at recommended rates. Do not use the spray equipment for other purposes. Keep in original container during storage. Do not contaminate water supplies, irrigation ditches, ponds, lakes or streams.

PROTECTIVE 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 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 SOLUTION (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 application is in an enclosed tractor or in an enclosed airplane cockpit.

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.

FIRST AID: This product contains petroleum distillates. If swallowed DO NOT INDUCE VOMITING. Rush patient to nearest hospital or poison control centre taking this label with you. Never give anything by mouth to an unconscious person. In case of skin contact, remove contaminated clothing and wash skin thoroughly with soap and water. In case of eye contact, flush with plenty of water for 15 minutes and get medical attention. If inhaled, remove to fresh air and get medical attention. Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically

STORAGE: Store container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs. This product may be stored at any temperature. Produce exposed to subfreezing temperatures should be warmed to 5°C and mixed thoroughly before using. Insecticides and fungicides should be segregated from herbicides so as to prevent the possibility of cross-contamination. SHAKE WELL BEFORE USING.

DISPOSAL

1. Triple- or pressure-rinse the empty container and add the rinsings to the spray mixture in the tank.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on the 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.

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.

DYCLEAR is a registered trademark of SYNGENTA CROP PROTECTION CORPORATION.

DATAPAK

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- 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.

DIRECTIONS FOR USE:

GENERAL INFORMATION; DIPHENOPROP BK 700 is a specially formulated herbicide for control of weeds and brush along roadsides, utility lines, railway right of ways, etc. It may not be used as a selective weedkiller directly on crops.

CAUTION: Do not graze the treated crops or cut for hay; sufficient data are not available to support such use.

RESISTANCE-MANAGEMENT RECOMMENDATIONS:

For resistance management, DIPHENOPROP BK 700 is a Group 4 herbicide. Any weed population may contain or develop plants naturally resistant to DIPHENOPROP BK 700 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 DIPHENOPROP BK 700 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 UNITED AGRICULTURAL PRODUCTS CANADA Inc. at 1-800-265-4624 or at www.uap.ca.

NON CROP USES:

GROUND APPLICATION: Apply 50-3000 L of spray solution per hectare depending on the type of application system being used. Use sufficient water to ensure uniform coverage.

MIXING: Shake this product well before using. Half fill the spray tank with clean water. Add the required amount of product and agitate thoroughly. Fill tank with clean water and agitate well before use. **NOTE:** If spray solution has been left standing, agitate thoroughly before use.

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.

WARNING: If preparing straight oil mixtures, do not let water get into the product or the finished mixture. Note: This product in water forms an emulsion, not a solution, which tends to separate on standing. Agitate to prevent such separation and ensure uniformity of spray mixture.

USE PRECAUTIONS FOR AERIAL APPLICATIONS:

(to cereal crops and non crop-land)

Directions for Use

Apply only by fixed-wing or rotary aircraft equipment which has been functionally and operationally calibrated for the atmospheric conditions of the area and the application rates and conditions of this label.

Label rates, conditions and precautions are product specific. Read and understand the entire label before opening this product. Apply only at the rate recommended for aerial application on this label. Where no rate for aerial application appears for the specific use, this product cannot be applied by any type of aerial equipment. Ensure uniform application. To avoid streaked, uneven or overlapped application, use appropriate marking devices.

Use Precautions

Apply only when meteorological conditions at the treatment site allow for complete and even crop coverage. Apply only under conditions of good practice specific to aerial application as outlined in the *Basic Knowledge Requirements for Pesticide Education in Canada: Applicator Core and Aerial Module*, developed by CAPCO.

Do not apply to any body of water. Avoid drifting of spray onto any body of water or other non-target areas. Specified buffer zones should be observed.

Coarse sprays are less likely to drift, therefore, avoid combinations of pressure and nozzle type that will result in fine particles (mist). Do not apply during periods of dead calm or when wind velocity and direction pose a risk of spray drift. Do not spray when the wind is blowing towards a nearby sensitive crop, garden, terrestrial habitat (such as shelter-belt) or aquatic habitat.

Operator Precautions

Do not allow the pilot to mix chemicals to be loaded onto the aircraft. Loading of premixed chemicals with a closed system is permitted. It is desirable that the pilot have communication capabilities at each treatment site at the time of application. The field crew and the mixer/loaders must wear chemical resistant gloves, coveralls and goggles or face shield during mixing/loading, cleanup and repair. Follow the more stringent label precautions in cases where the operator precautions exceed the generic label recommendations on the existing ground boom label.

All personnel on the job site must wash hands and face thoroughly before eating and drinking. Protective clothing, aircraft cockpit and vehicle cabs must be decontaminated regularly.

Product Specific Precautions

Read and understand the entire label before opening this product. If you have questions, call the manufacturer at (800)265-4624 or obtain technical advice from the distributor or your provincial agricultural representative. Application of this specific product must meet and/or conform to the following:

- Avoid direct applications to any body of water. Do not contaminate water through spray drift or by cleaning of equipment or disposal of wastes.
- Use a minimum of 30L/ha spray volume.

- Use boom pressure of 235 kPa or less. Avoid placing nozzles where spray will enter wing tip vortices.
- Do not apply this product directly to, or otherwise permit it to come into direct contact with desirable crops or other desirable broadleaf plants or non-target species and do not permit spray mists to drift onto them.
- Coarse sprays are less likely to drift, use only nozzles or nozzle configuration which minimize the production of fine spray drops. Do not angle nozzles forward into the airstream and do not increase spray volume by increasing nozzle pressure. When spraying, avoid combination of pressure and nozzle type that will result in fine particles (mist) which are more likely to drift. A spray thickening agent or drift retardant may be used with this product to aid in reducing spray drift.
- Do not use human flaggers.
- Avoid spray drift: Apply only when there is little or no hazard from spray drift. Small quantities of the spray, which may not be visible, may seriously injure susceptible crops and damage sensitive non-target habitat. A method must be used to detect air movement, lapse conditions, or temperature inversions (stable air) such as the use of balloons or a continuous smoke column at or near the spray site or a smoke generator on the spray equipment. If the smoke develops into layers or indicates a potential for hazardous spray drift, do not spray.
- **BUFFER ZONES:** Appropriate buffer zones should be established between treatment areas and aquatic systems and treatment areas and wildlife habitats.
- Do not spray in winds exceeding 8 km per hour.
- Do not spray in dead calm near sensitive plants. A “cloud” of suspended droplets may drift onto sensitive plants when the wind comes up. Spray only when the wind is blowing away from a sensitive crop, shelter-belt or garden.

USE PRECAUTIONS: Avoid spray drift to any desirable vegetation NOT listed on this label as damage may occur. Avoid contamination of ponds, streams, rivers and other water sources. Do not spray during periods of high winds when spray is likely to drift. Coarse sprays are less likely to drift. Do not spray during periods of high temperatures when crops may be under stress as damage to the crops may occur.

SPRAYER: Clean all spray equipment thoroughly before use. Select nozzle tips to apply the recommended volume per hectare. Higher water volumes will reduce the risk of crop injury. Calibrate the sprayer and adjust the boom height to ensure uniform coverage. Nozzles must be in good condition and spraying the same volume. Flat fan nozzle tips are recommended.

CLEANING OF SPRAYER: Thoroughly clean the herbicide sprayer before applying any other chemical on crops which may be damaged (see **USE PRECAUTIONS**). Wash the outside of the sprayer and drain the tank completely.

Remove and clean filters, screens and nozzle tips separately. Fill the sprayer tank with water. With the agitator running flush out the lines and boom, then drain. Fill the sprayer with clean water and use TANK and EQUIPMENT CLEANER or for each 100 L add 1 L household ammonia. Operate the pump and agitator for 15 minutes. If possible, let the solution remain in the tank and hoses overnight; recirculating and drain each time. DO NOT contaminate irrigation or drinking water when cleaning the sprayer.

TIMING: For best results spray when WEEDS ARE YOUNG AND ACTIVELY GROWING. Apply in good growing conditions. Application must be made before the crop canopy shields the weeds.

SPOT TREATMENT: For spot treatment of weeds such as thistles with knapsack, mix 200 mL of product in 10 L of water. Wet all foliage thoroughly.

BRUSH CONTROL: For best results apply on the foliage and stems just before or just after brush is in full leaf in the late spring or early summer. Many species may require retreatment the following year. Thoroughly wet down all foliage and stems to ground level. Apply 750-1500 litres of spray mixture per ha depending on brush density and height.

Use 7.5 L of DIPHENOPROP BK 700 per 1000 L of water for the following susceptible species

Hawthorn Poplar	Scotch Pine	White Cedar Wild Cherry	Wild Plum Wild Raspberry
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Use 10 L of DIPHENOPROP BK 700 per 1000 L of water for the following susceptible species

Alder Aspen Basswood Balsam Fir Birch Bur Oak Blueberry	Elderberry Elm Ground Juniper Hardhack Hazel Hickory	Honeysuckle Manitoba Maple Poison Ivy Raspberry Red Pine Rose (some regrowth)	Sumac Silver Maple Sugar Maple (some regrowth) Tamarack White Oak Wild Apple Willow
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BASAL TREATMENT: Control hard-to-kill woody plants. The solution can be applied to the basal part of standing brush during any time of year. This treatment is not effective for Basswood and Ash. Apply thoroughly to cause run-off on all sides of stems from ground line to one metre high. Use a low volume power or knapsack sprayer.

RATE FOR BASAL TREATMENT:	
Susceptible and Intermediate Species:	2.8 L/100 L of fuel oil
Hard to kill species:	4.4 L/100 L of fuel oil

STUMP TREATMENT: To prevent regrowth treat stumps immediately after cutting by spraying or painting stumps, exposed roots and cut surface. The rate for all species is 2.8 L/100 L of fuel oil. Thorough drenching is essential.

FRILL TREATMENT: (Hack and Squirt): This method is recommended for resistant standing trees of more than 13-15 cm in diameter. Cut frills with axe (downward) close together around the trunk without removing bark. Spray or paint exposed wood until run-off. The rate for frill treatment is 2.8 L/100 of fuel oil.

DECIDUOUS AND CONIFEROUS BRUSH CONTROL: DYCLEER Liquid Herbicide can be used in a tank mix with DIPHENOPROP BK 700. Mix 5.2 L DYCLEER plus 7.15 L DIPHENOPROP BK 700 in 1000 litres of water.

SPECIES CONTROLLED:			
Sugar Maple	White Ash	Balsam Fir	Tamarack
Spruce	Pine	White Cedar	

IMPORTANT (APPLICATIONS/DIRECTIONS): Apply DYCLEER Tank Mixes in June to coniferous and deciduous species (leaves should be fully expanded). Apply to all foliage to the point of run off. Brush and trees over 2m should be cut and regrowth sprayed when it develops. Do not mix with oils. The volume of spray per hectare will vary according to the height and density of the woody species present. Complete coverage is essential for the effective control.

WEED CONTROL: Most perennial weeds are best controlled by spraying the foliage during the month of May or in early fall. Some species may require a second treatment. Spray weed infested areas with an even spray pattern, making sure weeds shielded by high grass are thoroughly wetted. Spray tall weeds to run-off. Apply 200-600 L of spray mixture per ha, the higher volume will assure better coverage, particularly where high grass cover is present.

For Poison Ivy control see BRUSH CONTROL above:

Use 3.5 L of DIPHENOPROP BK 700 per ha for the following susceptible weeds			
Alfalfa Bull Thistle Burdock Buttercup Canada Thistle Chicory Cinquefoil Curled Dock	Dandelion Dogbane Goldenrod Goats-beard Hawkweed Horsetail Milkweed (topkill)	Mullein Plantain Perennial Sow Thistle Sweet Clover Tansy Teasel Toadflax (partial control)	Vetch Wild Carrot Yellow Rocket And most annual weeds including Ragweed

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TOXICOLOGICAL INFORMATION: Treat symptomatically.

STORAGE: Store container tightly closed and away from seeds, feeds, fertilizer, plants and foodstuffs. This product may be stored at any temperature. Produce exposed to subfreezing temperatures should be warmed to 5°C and mixed thoroughly before using. Insecticides and fungicides should be segregated from herbicides so as to prevent the possibility of cross-contamination. SHAKE WELL BEFORE USING.

DISPOSAL

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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.