



Tordon* 22K

Herbicide

- For the control of deep-rooted perennial and biennial weeds on rangeland, permanent grass pastures and non-cropland in Western Canada.
- For spot treatment on cultivated cropland in Western Canada (when applied by authorized pesticide applicators).

COMMERCIAL

READ THE LABEL AND BOOKLET BEFORE USING
KEEP OUT OF REACH OF CHILDREN

GUARANTEE: picloram 240 g/L
(formulated as potassium salt)

REGISTRATION NO. 9005 PEST CONTROL PRODUCTS ACT

CAUTION  **POISON**

NET CONTENTS: 3.6 L, 10 L

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PRECAUTIONS
DANGER - EYE IRRITANT
MAY CAUSE SKIN IRRITATION

Do not get in eyes, on skin or on clothing. Avoid breathing spray mist. Keep container closed when not in use. When handling concentrate wear safety glasses and impervious gloves. Remove contaminated clothing and wash before reuse. Destroy contaminated shoes.

FIRST AID

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

If swallowed: Induce vomiting if large amounts are ingested by giving 1 to 2 glasses of water and touching the back of the throat with a finger. Get medical attention or contact a poison control centre. Never induce vomiting or give anything by mouth to an unconscious person.

If in eyes: Flush with flowing water immediately and continuously for 15 minutes. Get medical attention or contact a poison control centre.

If on skin: Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse.

WARNING: Safety data and registration of this product are under review. Directions for use and cautionary statements should be carefully followed. Read the label before using.

TOXICOLOGICAL INFORMATION

If burn is present, treat as any thermal burn after decontamination. No specific antidote. Employ supportive care. Treatment should be based on judgment of the physician in response to reactions of the patient.

For further information consult the Material Safety Data Sheet.

AGRICULTURAL CHEMICAL

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

ENVIRONMENTAL HAZARDS

- This product is moderately toxic to fish. Do not apply to any water bodies or in areas where the runoff from treated areas will reach fish-bearing waters. Do not contaminate water through spray drift, by cleaning of equipment or disposal of wastes.
- Tordon 22K may cause damage to sensitive non-target vegetation. Do not apply to irrigation ditches that contain or may contain water to be used for irrigation or domestic purposes.
- Do not apply to soils that are very permeable (textures of sandy loam to sand) throughout the entire profile and which also have an underlying shallow aquifer.
- Do not apply to soils containing sinkholes over limestone bedrock.
- Do not apply to soils whose surfaces are composed of severely fractured rock or unconsolidated gravel and underlaid with an aquifer.

STORAGE

Do not store near food, foodstuffs, fertilizers, seeds, insecticides, fungicides or other pesticides.

DISPOSAL

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.

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.

GENERAL INFORMATION

Use Tordon 22K herbicide to control patches of biennial and deep-rooted perennial weeds including Canada thistle, perennial sow-thistle, field bindweed, toadflax, pasture sage and scentless chamomile on rangeland, permanent grass pastures and on non-cropland areas such as around farm buildings, fencerows, roadsides and other rights-of-way including electrical transmission and distribution lines, railroads and pipelines in Western Canada. Use for spot treatment on cultivated cropland in Western Canada when applied by an authorized pesticide applicator. Tordon 22K is highly active, water-soluble and can be persistent under certain environmental conditions (see section entitled ENVIRONMENTAL HAZARDS). For further information to help prevent damage to desirable crops and plants, consult your District Agriculturalist or nearest weed specialist for local recommendations and guidance.

USE PRECAUTIONS

DO NOT APPLY BY AIR

Do not allow spray drift. Herbicides containing picloram are highly active. Tiny amounts may cause damage to plants if applied during either growing or dormant periods. Use only low pressure sprays (150 to 350 kPa) or other equipment designed to minimize the danger of spray drifting onto desirable plants such as vegetables, flowers, grapes, fruit trees, ornamentals, tomatoes, potatoes, beans of all types including soybeans and other broadleaved plants. Keep away from trees and shrubs as their roots may extend well beyond their limbs and branches. Apply Tordon 22K only when there is little movement of air and use coarse sprays to minimize drift. Do not apply by air as this increases drift hazard.

Do not apply Tordon 22K to irrigated land or land to be irrigated.

Do not contaminate water. Do not treat the banks of irrigation or drainage ditches and avoid spray drift falling into them to avoid contaminating water used for irrigation. Dike around and avoid irrigation through treated areas. Water used for drinking, irrigation and other domestic purposes must not be contaminated.

Do not move treated soil. Soil from treated areas must not be moved with land levelers, harvesting and cultivation equipment or by any other means into land in crop.

Tordon 22K is not to be used for domestic purposes or for use by Commercial Pesticide Applicators in residentially zoned areas.

For use on industrial/commercial zoned areas, including rights-of-way that traverse urban areas. Contact appropriate provincial regulatory authorities before use to determine if buffer zones/setback distances are required to be maintained between the treated area (right-of-way) and the residential area.

Do not treat areas intended to be used for cultivated sensitive crops or other desirable plants. It usually requires up to five years for herbicides containing picloram to be deactivated by the soil. Clippings from grass or crops which have been treated with Tordon 22K should not be used for composting or mulching, nor should the manure from animals grazing treated areas or fed treated forage be used around susceptible plants.

Do not mix in the sprayer with other herbicides or other pesticides. To avoid injury to desirable plants, containers used for Tordon 22K should not be reused to contain other materials. Spray equipment used to apply Tordon 22K should not be used to apply other pesticides to crops susceptible to herbicides containing picloram. If it is necessary to do so, contact your Dow AgroSciences Vegetation Management Specialist for detailed equipment clean-up procedures.

Be Sure To Follow All Use Precautions Given On This Label And Remember These Key Points:

1. Use only the recommended amounts.
2. Tordon 22K is persistent. It will carry over in soil. Treated soil should not be moved out of the treated area.
3. Picloram is very difficult to clean from sprayers. Use a different sprayer for applying other materials to desirable plants or crops. Hand guns equipped with proportioning devices and reservoirs for Tordon 22K are useful in preventing sprayer contamination. With these devices, the farm sprayer is used only as a water reservoir.
4. Tordon 22K is water-soluble. It can move with water in irrigation or drainage ditches.
5. Spray drift can damage crops.

GENERAL USE

The rate of Tordon 22K required varies according to the weed species (see Table 1). Use enough water to wet the weeds without run-off, 400 to 800 L of spray per treated hectare is usually required. For small areas mix as directed in 18 L of water and apply 18 L of spray mixture per 100 m².

For use as a spot treatment on perennial weeds, mix at the rates given in Table 1. Apply at the rate of 800 L of spray mixture per treated hectare. For small areas use the rates given for treating 100 m² and apply in 18 L of water. For round patches apply as indicated in Table 2.

Table 1: Tordon 22K Application Rates

Weed Species	Amount per Hectare (litres)	Hectares Treated per 2 L	Amount (mL) per 100 m ²
scentless chamomile	1.1	1.6	11
diffuse or spotted knapweed	2.25	0.9	22
poverty weed sowthistle Canada thistle Russian knapweed pasture sage	4.5	0.4	45
leafy spurge field bindweed toadflax	9	0.2	90

Table 2: Round Patch Application Rates

Diameter of Round Patch to be Treated (Weed area plus 3 m border)	Litres of Spray Mixture to Apply
10 m	6.25
15 m	14
25 m	40
30 m	57
70 m	308

DIRECTIONS FOR USE - RANGELAND, PERMANENT GRASS PASTURES AND OTHER NON-CROPLAND AREAS

Mix with water and apply as a coarse, low pressure spray (150 to 350 kPa) or use other equipment designed to minimize spray drift. Apply any time when fully developed green leaves are present.

NOTE: Legumes are susceptible to Tordon 22K. Do not spray pastures containing forage legumes unless the kill of such legumes can be tolerated. Do not graze treated area by dairy animals within 6 weeks after treatment.

DIRECTIONS FOR USE - SPOT TREATMENT ON CULTIVATED CROPLAND IN WESTERN CANADA ONLY

Mix with water and apply as a coarse, low pressure spray (150 to 350 kPa) or use other equipment designed to minimize spray drift. Apply any time when fully developed green leaves are present. The spot should not be more than 0.4 hectare of land and the total area of all treated spots combined in any one field should not be in excess of 5% of the total area of that field in any one year.

NOTE: Picloram may persist in the soil for a period of up to five years; therefore, it should not be used in those areas where sensitive broadleaved crops such as sunflowers and potatoes are grown in the rotations. Where wheat, oats or barley are the major crops in the rotations, the following cropping sequence is suggested to start the year after treatment. This will insure as much production as possible from the treated areas. While there may be some reduction in yield in the first year of cropping, this is usually offset by the weed control obtained.

First year - oats
Second year - oats or barley
Third year - oats or barley or wheat

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.

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Label Code: CN-9005-001-E

Revision Notes:

1. Disposal statement and First Aid statement updated
2. The additional size of 3.6 L was added