

# Specimen Label

## RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.

# Tordon\* 22K Weed Killer

Active Ingredient(s):  
 Picloram (4-amino-3,5,6-trichloropicolinic acid), as the potassium salt ..... 24.4%  
 Inert Ingredients ..... 75.6%  
 Acid Equivalent:  
 Picloram (4-amino-3,5,6-trichloropicolinic acid) - 21.1% - 2 lb/gal  
 E.P.A. Registration No. 464-323  
 E.P.A. Est. 464-MI-1

**KEEP OUT OF REACH OF CHILDREN**

### CAUTION

**AVISO:**  
**PRECAUCION AL USUARIO:**

Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.

### PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

#### MAY CAUSE IRRITATION

Avoid Contact With Eyes, Skin, Or Clothing  
 • Avoid Breathing Spray Mist • Keep Container Closed • Wash Thoroughly After Handling

**STATEMENTS OF PRACTICAL TREATMENT:** In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. If swallowed, induce vomiting immediately by giving two glasses of water and stick finger down throat. Call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

#### Environmental Hazards

Do not apply directly to any body of water. Do not contaminate water used for irrigation or domestic purposes by cleaning of equipment or disposal of wastes. Do not allow run-off or spray to contaminate wells, irrigation ditches or any body of water used for irrigation or domestic purposes. Do not make application when circumstances favor movement from treatment site. See additional precautionary statements elsewhere on this label.

### NOTICE

Read the entire label. Use only according to label directions.

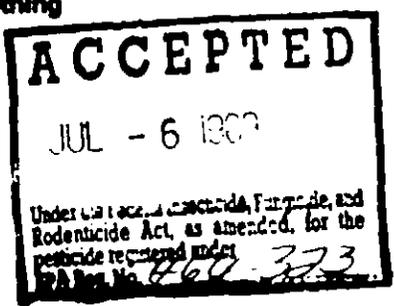
Before buying or using this product, read "WARRANTY LIMITATIONS AND DISCLAIMER" elsewhere on this label. If terms are not acceptable, return unopened package at once to seller for full refund of purchase price paid. Otherwise, use by the buyer or any other user constitutes acceptance of the terms under "WARRANTY LIMITATIONS AND DISCLAIMER"

### IN CASE OF AN EMERGENCY

endangering life or property involving this product, call collect 517-636-4400

### AGRICULTURAL CHEMICAL

Do Not Ship or Store with Food, Feeds, Drugs, or Clothing



# Tordon\* 22K

INSE. A

## GENERAL INFORMATION

Use TORDON 22K Weed Killer on non-cropland areas such as fence rows, around farm buildings, equipment pathways and roadsides, to control annual and deep rooted perennial weeds such as Abernath wormwood - Brackenfern - Buffalo bur - Bur ragweed - Burroweed - Cactus species - Camel thorn - Catclaw acacia - Chaparral species - Dock - Firebrush - Field bindweed (perennial morningglory) - Fringed sagebrush - Gambel oak - Goldenrod - Gorse - Guava - Hau - Horsenettles, Carolina, white - Java plum - Junipers - Knapweeds, diffuse, Russian, spotted squarrose - Lantana - Larkspurs - Leafy spurge - Live oak - Locoweeds - Lupines - Melastoma - Mesquite - Ox-eye daisy - Milkweed - Pamakani - Poison Oak - Pinyon - Pricklypear cactus - Rabbitbrush - Rush skeletonweed - Scotch broom - Snakeweeds - Sowthistle - Starthistles, Ibanan, purple, yellow - Tansy ragwort - Toadflaxes - Thistles, artichoke, Beaumont, Canada, distaff, golden, italian, musk, scotch, wavy leaf.

Picloram is highly potent, persistent and water soluble. Tiny amounts can kill or injure many broadleaved plants. To prevent damage to desirable crops and plants follow all directions and precautions.

## DIRECTIONS FOR USE

Do not use for manufacturing or formulating.

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

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

Mix the required amount of TORDON 22K Weed Killer in water and apply as a coarse low pressure spray using ground equipment or aircraft. For best results treat when the weeds are growing actively in the spring before full bloom or late summer into fall. Treatments during full bloom or seed stage of some weeds may not give good control.

**For General Use on Perennial Weeds on Non-Cropland,** use 1 to 1½ gallons of TORDON 22K Weed Killer per acre in 50 to 100 gallons of water and spray to wet weed foliage and soil. NOTE: Local conditions may affect the use of herbicides. State agricultural experiment stations or extension service weed specialists in many states issue recommendations to fit local conditions. Be sure that use of this product conforms to all applicable regulations.

**For Use As A Spot Treatment on Perennial Weeds.** Mix at the rate of 1 gallon of TORDON 22K per 100 gallons of water. Apply at the rate of 100 gallons of spray mixture per acre. This will provide a rate of 2 pounds of picloram per acre. For small amounts use 2½ fluid ounces TORDON 22K per 2 gallons of water. For round patches apply as indicated in the table.

Feet across Round Patch to be treated (weed area plus 10 foot border)	Gallons of spray mixture to apply
25	1.0
50	4.5
75	10.0
100	18.0
235 or (1 acre)	100.0

**Tank Mixture for Spot or Broadcast Treatment of Susceptible Annual and Perennial Broadleaf Weeds:** TORDON 22K may also be tank mixed with 2,4-D products such as ESTERON® 99® Concentrate, FORMULA 40®, DMA® 4, or ESTERON 8E herbicides for use on areas having mixed species including those which respond well to 2,4-D. Read and follow all directions and use precautions on other product labels.

## Conservation Reserve Program (CRP) For Seeding To Permanent Grasses Only

Do not use TORDON 22K if legumes are a desired cover during CRP.

Grass grown CRP acres cannot be grazed or used for hay.

Conditions that stress grasses, such as drought, will increase potential for injury to the grass at all stages of growth.

To reduce potential damage to subsequent small grain crops, use the lower rate or discontinue the use of TORDON 22K Weed Killer at least 2 years prior to the seeding of small grain crops. After CRP, do not plant broadleaf crops in treated acres until an adequately sensitive bioassay shows that no detectable picloram is present in the soil.

**Broadcast Applications (Aerial and Ground):** Applications of TORDON 22K Weed Killer should be made when perennial grasses have become established (has developed a good secondary root system and shows good vigor) since most perennial grasses have shown better tolerance to the herbicide at that stage.

For control of actively growing perennial weeds, use up to 1 quart per acre of TORDON 22K Weed Killer after the grass is established. For best results, use in 2 or more gallons of water per acre by air or in 5 or more gallons of water per acre by ground. Increasing the rate of application can increase the risk of injury.

For control of actively growing susceptible annual broadleaf weeds, (including Russian thistle) apply ¼ to ½ pint per acre of TORDON 22K Weed Killer. TORDON 22K can also be tank-mixed with ½ to 1 lb/acre 2,4-D where species present are sensitive to 2,4-D. Read and follow all directions for use and use precautions on other product labels.

**Spot Applications:** For spot applications when perennial grasses are established, use 1 pint to 4 quarts per acre of TORDON 22K Weed Killer. Rates of 2 quarts per acre or more should only be used for control of deep-rooted perennial broadleaf weeds.

TORDON 22K Weed Killer at rates over 1 quart per acre may suppress certain established grasses such as bromegrass, bluegrasses and buffalograss. However, subsequent grass growth should be improved by release from weed competition.

## Be Sure You Follow All Use Precautions Given on This Label and Remember These Key Points

1. Use only the recommended amounts.
2. Picloram is persistent. It will carry over in the soil.
3. TORDON 22K is water soluble. It can move with water in irrigation or drainage ditches.
4. Spray drift can damage crops.

## USE PRECAUTIONS

Use this product only as specified on this label. Observe any special use and application restrictions and limitations, including method of application and permissible areas of use as promulgated by state or local authorities.

Do Not Make Application When Circumstances Favor Movement From Treatment Sites.

Do Not Apply or Otherwise Permit TORDON 22K or Sprays Containing TORDON 22K to Contact Crops or Other Desirable Broadleaf Plants including but not limited to alfalfa, beans, grapes, melons, peas, potatoes, alfalfa, soybeans, sugarbeets, sunflower, tomatoes, and other vegetable crops, flowers, fruit trees, ornamentals, shade trees nor the soil containing roots of nearby, valuable plants.

**BEST AVAILABLE COPY**

**Avoid Injurious Spray Drift:** Applications should be made only when there is no hazard from spray drift since very small quantities of the spray, which may not be visible, may severely injure susceptible crops during both growing and dormant periods. To minimize spray drift use low spray pressure, under 30 psi; spray when wind velocity is less than 10 mph; and apply as a coarse spray. To aid in further reducing spray drift, a drift control and deposition aid such as NALCO-TROL may be used with this product. If such a drift control aid is used, follow all use recommendations and precautions on the product label.

**Ground Equipment:** With ground equipment spray drift can be lessened by keeping the spray boom as low as possible; by applying 20 gallons or more of spray per acre; by using no more than 30 pounds spraying pressure with large droplet producing nozzle tips; by spraying when wind velocity is low; and by stopping all spraying when wind exceeds 10 miles per hour. Do not apply with hollow cone-type insecticide or other nozzles that produce fine-droplet spray.

**Aerial Application:** With aircraft, drift can be lessened by using straight stream nozzles directed straight back, and by using a spray boom no longer than 1/4 the wing span of the aircraft.

**Determine Air Movement and Direction Before Foliar Application:** Do not spray when wind is blowing toward susceptible crops or ornamental plants near enough to be injured. It is suggested that a continuous smoke column at or near the spray site or a smoke generator on the spray equipment be used to detect air movements, lapse conditions, or temperature inversions (stable air). If the smoke layers or indicates a potential of hazardous spray drift, do not spray.

**Do Not Contaminate Water Intended for Irrigation or Domestic Purposes.** To avoid injury to crops or other desirable plants, do not treat or allow spray drift or run-off to fall onto banks or bottoms of irrigation ditches, either dry or containing water, or other channels that carry water that may be used for irrigation or domestic purposes. Do not apply to snow or frozen ground.

Water contaminated with residues of picloram from drainage ditch bank uses shall not be used to irrigate crops which are not registered for use with this chemical.

Do not rotate food or feed crops on treated land if they are not registered for use with picloram until an adequately sensitive bioassay or chemical test shows that no detectable picloram is present in the soil.

Do not move treated soil to other areas or use it to grow plants if they are not registered for use with picloram until an adequate sensitive bioassay or chemical test shows that no detectable picloram is present in the soil.

Do Not Mix with Dry Fertilizer.

## PRECAUTIONARY STATEMENTS

### Environmental Hazards

Picloram is a chemical which can travel (seep or leach) through soil and under certain conditions contaminate groundwater which may be used for irrigation and drinking purposes. Users are advised not to apply picloram where soils have a rapid to very rapid permeability throughout the profile (such as loamy sand to sand) and the water table of an underlying aquifer is shallow or to soils containing sinkholes over limestone bedrock, severely fractured surfaces, and substrates which would allow direct introduction into an aquifer. Your local agricultural agencies can provide further information on the type of soil in your area and the location of groundwater.

An aquifer is defined as "an underground, saturated, permeable, geologic formation capable of producing significant quantities of water to a well or spring. It is the ability of the saturated zone, or portion of that zone, to yield water which makes it an aquifer" (American Chemical Society, 1963).

## STORAGE AND DISPOSAL

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

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

**Container Disposal: METAL** Do not reuse container. Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**Container Disposal: PLASTIC** Do not reuse container. Triple rinse (or equivalent). Puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Rinse application equipment after use, at least three times with water, and dispose of rinse water in a non-cropland area away from water supplies.

**General:** Consult federal, state or local disposal authorities for approved alternative procedures.

## WARRANTY LIMITATIONS AND DISCLAIMER

The Dow Chemical Company 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 thereon under normal conditions of use. THIS IS THE ONLY WARRANTY MADE ON THIS PRODUCT. NO OTHER EXPRESS AND NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS MADE OUTSIDE OF THIS LABEL. Therefore, neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product contrary to label instructions (including conditions noted on the label, such as unfavorable temperatures, soil conditions, etc.), under abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes, etc.) or under conditions not reasonably foreseeable to or beyond the control of seller.

When buyer or user suffers losses or damages resulting from the use or handling of this product (including claims based on contract, negligence, strict liability, or other legal theories), buyer or user must promptly notify in writing The Dow Chemical Company of any claims to be eligible to receive either remedy given below. The EXCLUSIVE REMEDY OF THE BUYER OR USER and the LIMIT OF LIABILITY OF The Dow Chemical Company or any other seller will be one of the following, at the election of The Dow Chemical Company:

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

The seller will not be liable for consequential or incidental damages or losses.

The terms of this Warranty Limitations And Disclaimer cannot be varied by any written or verbal statements or agreements. Any employee or sales agent of the seller is not authorized to vary or exceed the terms of this Warranty Limitations And Disclaimer in any manner.

87116-L3

C887



THE DOW CHEMICAL COMPANY  
Midland, Michigan 48674 U.S.A.  
•Trademark of THE DOW CHEMICAL COMPANY

SPECIMEN LABEL 86-1165 DATE CODE C887  
REPLACES 86-1165 DATE CODE B386  
DISCARD PREVIOUS SPECIMEN LABELS

REVISIONS INCLUDE:

- 1) REVISED ENVIRONMENTAL HAZARD STATEMENTS
- 2) MOVED PICLORAM REFERENCE STATEMENTS TO AFTER USE PRECAUTIONS
- 3) ADDITION OF IRRIGATION PROHIBITION STATEMENT
- 4) ADDITION OF CRP USE

2  
5

**INSERT A**

**WARNING**

**CAUSES SUBSTANTIAL BUT TEMPORARY  
EYE INJURY ● HARMFUL IF INHALED  
OR ABSORBED THROUGH SKIN**

**Do Not Get In Eyes Or On Clothing ●  
Wear Goggles, Face Shield Or Safety  
Glasses When Handling ● Avoid Contact  
With Skin ● Wash Thoroughly With Soap  
And Water After Handling ● Remove  
Contaminated Clothing And Wash Before  
Reuse ● Avoid Breathing Spray Mist**

**STATEMENTS OF PRACTICAL TREATMENT: If  
in eyes, flush with plenty of water for  
at least 15 minutes. Get medical  
attention.**