

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* K Herbicide

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. 464-421

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

STATEMENT 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 sticking finger down throat. Call a physician. Do not induce vomiting or give anything by mouth to an unconscious person.

ACCEPTED

 FEB 11 1986
 Under the Federal Insecticide,
 Fungicide, and Rodenticide Act,
 as amended, for the pesticide
 registered under
 EPA Reg. No. 464-421

Environmental Hazards

~~Do not apply directly to water. • Do not apply where runoff is likely to occur. • Do not contaminate water by cleaning of equipment or disposal of wastes. • Do not contaminate irrigation ditches or water used for irrigation or domestic purposes.~~

INSERT A

INSERT B

NOTICE

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

Before buying or using this product, read "WARRANTY LIMITATIONS AND DISCLAIMER" on back panel. 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 the Limit of Warranty and Liability.

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* K

GENERAL INFORMATION

TORDON K Herbicide is recommended for control of unwanted susceptible annual and perennial broadleaf weeds, woody plants, and vines on non-crop areas including forest planting sites, industrial manufacturing and storage sites, right-of-ways such as electrical power lines, communication lines, pipelines, roadsides, and railroads.

Among the annual and perennial broadleaf weeds controlled by TORDON K are Artichoke Thistle, Abeynth wormwood, Bouncingbet, Broom Snakeweed, Burroweed, Bursage, Canada Thistle, Chicory, Clover, Dock, Fleabane, Field Bindweed, Goldenrod, Horsenettle, Knapweeds, Larkspurs, Leafy Spurge, Locoweed, Lupines, Milkweeds, Musk Thistle, Rush Skeletonweed, Russian Thistle, Sowthistle, Scotch Thistle, Starthistles, Tansy Ragwort, Toadflax, Wild Carrot, Wild Parsnip.

Among the woody plants and vines controlled by TORDON K are Aspen, Blackberries, Buttonbush, Cactus species, Catclaw acacia, Cedar, Chaparral species, Dogwood, Douglas Fir, Firs, Fringed Sagebrush, Gorse, Guava, Gums, Hau, Hemlock, Hickory, Java Plum, Juniper, Lantana, Liveoak, Locust, Maple, Mesquite, Oak, Persimmon, Pine, Poison Oak, Poplars, Rabbitbrush, Salmonberry, Sassafras, Sourwood, Spruce, Sumac, Trumpet creeper, Willows.

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.

Use TORDON K Herbicide at rates of 1/4 to 4 quarts per acre to control broadleaf weeds, woody plants, and vines. TORDON K may be tank mixed with Dow recommended 3.8 lb/gal or 5.6 lb/gal 2,4-D amine or low volatile ester, Amizol, Amitrol T, Envert 171 and Weedone 2,4-DP at label approved rates to control mixed plant species. In tank mix combinations use 1/4 to 4 quarts of TORDON K per acre, with 1 to 8 quarts of 2,4-D 3.8 lb/gal amine or low volatile ester, Amitrol T and Weedone 2,4-DP, or with 2/3 to 5-1/3 quarts of 5.6 lb/gal 2,4-D low volatile ester or with 4 pounds of Amizol. In all cases use the amounts specified in enough water to give thorough and uniform coverage of the plants to be controlled.

To Prepare Water-Based Sprays containing TORDON K Herbicide, add the total required amount of water to the spray tank. When using Nalco-Trol drift control additive, add at rates specified on its container while using continuous agitation. Next add the required amount of TORDON K. If a tank mixture of herbicides is to be used, add the required amount of 2,4-D 3.8 lb/gal amine or low volatile ester, Amizol, Amitrol T or Weedone 2,4-DP. If needed, a surfactant should be added last. Continuous agitation should be maintained while mixing the spray.

Observe all use precautions listed on this label.

High Volume Leaf-Stem Treatment: Use TORDON K at the rate of 1/2 to 4 quarts in enough water to make 100 gallons of spray to control vines and other woody plants. To control additional species, mix 1/2 to 1 quart of TORDON K with 4 to 8 quarts of 5.6 lb/gal 2,4-D low volatile ester or Amitrol T or with 4 pounds of Amizol and dilute to make 100 gallons of spray. One quart of a surfactant such as Surfel Spray Adjuvant per 100 gallons of spray mixture should be added when Amizol or Amitrol T is used.

Apply after the foliage is well developed and in a manner to give thorough spray coverage. Use a drenching spray and wet all leaves, stems, and root collars. For hard-to-kill species such as hickory and oak, soak the soil around the root collar. Up to 400 gallons of spray per acre may be required for adequate coverage of solid stands of brush.

Spot Treatment of Broadleaf Weeds: Use 1/4 to 4 quarts of TORDON K Herbicide in 100 gallons of water and spray weed foliage uniformly using 50 to 100 gallons of spray per treated acre. In tank mix combinations, use 1/4 to 1 quart of TORDON K with 1 to 2 quarts of 2,4-D 3.8 lb/gal amine or low volatile ester or with 2/3 to 1-1/3 quarts of 5.6 lb/gal 2,4-D low volatile ester.

Broadcast Ground or Aerial Foliage Treatment: For these uses the required amount of TORDON K should be applied in a total spray volume of 5 to 50 gallons per acre, depending upon the plant species, height and density of growth. The preferred volume range is 15 to 50 gallons per acre.

Broadleaf Annual and Perennial Weed and Woody Vine Control: Use TORDON K Herbicide at rates of 1/4 to 4 quarts per acre in 15 to 50 gallons of water spray mixture. Apply to problem weeds and vines any time after growth begins in the spring before full bloom and late in summer or fall. Suggested rates to control several broadleaf weeds are shown in the table below.

Weed Species	Rate of TORDON K Per Treated Acre
Yellow Starthistle, Scotch Thistle, Musk Thistle, Ox-eye Daisy	1/4 to 1/2 quart
Artichoke Thistle, Diffuse Knapweed, Spotted Knapweed, Herbane, Buffalobur, Lupines, Locoweeds, Broom Snakeweed	1/2 to 1 quart
Prickly Pear and Cholla Cactus, Burroweed, Plains Larkspur	1 to 2 quarts
Canada Thistle, Rush Skeletonweed, Russian Knapweed, Dalmation Toadflax, White Horsenettle	2 to 3 quarts
Tall Larkspur, Leafy Spurge, Field Bindweed, Poison Oak	3 to 4 quarts

TORDON K Herbicide may be tank mixed with 3.8 lb/gal 2,4-D amine or low volatile ester for use on areas having mixed species including those which respond well to 2,4-D. In tank mix combinations, use 1/4 to 1 quart TORDON K Herbicide with 1 to 2 quarts of 3.8 lb/gal 2,4-D amine or low volatile ester or with 2/3 to 1-1/3 quarts of 5.6 lb/gal 2,4-D low volatile ester.

Woody Plant Control: Suggested rates to control several woody plants are shown in the table below.

Plant Species	Rate of TORDON K Per Treated Acre
Rabbitbrush, Mesquite	1/2 to 1 quart
Catclaw Acacia	1 to 2 quarts
Pinyon, Juniper, Chaparral, Gorse Willows, Poplars, Douglas Fir, Cedars	2 to 3 quarts
Gamble Oak, Liveoak, Poison Oak	3 to 4 quarts

For difficult to control woody species such as balsam fir, black or Sitka spruce, gums, hickory, maple, oaks, and sourwood, use 3 to 4 quarts of TORDON K with 6 to 8 quarts of 3.8 lb/gal 2,4-D low volatile ester, or with 4 to 5-1/3 quarts of 5.6 lb/gal 2,4-D low volatile ester. To control maple, conifers and root-suckering species such as sassafras, sumac, black locust, persimmon, salmonberry, blackberry and western dewberry apply a mixture of 1-1/2 to 3 quarts of TORDON K plus 4 to 10 quarts of 3.8 lb/gal 2,4-D low volatile ester or Weedone 2,4-DP, or plus 2-2/3 to 6-2/3 quarts of 5.6 lb/gal 2,4-D low volatile ester.

Invert Emulsions with Envert 171, TORDON K Herbicide can be applied as an invert emulsion tank mix combination spray with Envert 171 Woody Plant Herbicide. Consult label directions for Envert 171 Woody Plant Herbicide to determine recommended use.

Use of TORDON K with Envert 171 herbicide results in a thick invert water-in-oil spray emulsion designed to minimize spray drift. Such an emulsion may be formed in a single tank (Batch Mixing) or flash inverted (Flash Mixing). For specific instructions, see Envert 171 label.

Where root-suckering species such as sumac, sassafras, locust and black gum predominate, mix 3 gallons of Envert 171 plus 1-1/2 quarts TORDON K Herbicide with 9 gallons of water for each acre to be sprayed.

Where harder to control species such as red maple, elm or oaks are present, mix 5 to 6 gallons of Envert 171 plus 1 to 3 quarts of TORDON K with 15 to 18 gallons of water for each acre to be sprayed.

AMDON, WEEDONE, AMIZOL, MICROFOIL, SURFEL, ENVERT 171, and AMITROL T are trademarks of Union Carbide.

NALCO-TROL is a trademark of NALCO Chemical Company.

STORAGE AND DISPOSAL

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

Pesticide Disposal: Pesticide, spray, mixture, or rinsate that cannot be used or chemically reprocessed should be disposed of in a landfill approved for pesticides or buried in a safe place away from water supplies.

Container Disposal: Do not re-use containers for TORDON K Herbicide for any purpose. Dispose by punching holes in them and burying with waste or by taking to an approved landfill. Where indicated, follow official local container disposal regulations.

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.

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 authorities.

~~Do Not Contaminate Water Intended for Irrigation or Domestic Purpose. To avoid injury to crops or other desirable plants, do not treat or allow spray drift to fall onto levees, banks or bottom of irrigation ditches, either dry or containing water, or other channels that carry water that may be used for irrigation purposes.~~

Do Not Apply or Otherwise Permit TORDON K Herbicide or Sprays Containing TORDON K Herbicide to Contact Crops or Other Desirable Broadleaf Plants including but not limited to alfalfa, beans, cotton, grapes, melons, peas, potatoes, safflower, soybeans, sugar beets, sunflower, tobacco, tomatoes, and other vegetable crops, flowers, fruit plants, ornamentals or shade trees.

Conifer planting intervals vary. Pines planted sooner than six months after treatment with TORDON K may be injured in the South or west of the Cascade Mountains. Other conifers, west of the Cascade Mountains, may be injured if planted sooner than 8 to 9 months after treatment. For all conifers, the waiting period between treatment and planting should be 11 to 12 months in the area between the Cascade and Rocky Mountains and 8 to 9 months in the Lake States and the Northeastern U.S.

Avoid Injurious Spray Drift. Applications should be made only when there is little or no hazard from spray drift. Very small quantities of spray, which may not be visible may seriously injure susceptible plants. 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 movement, lapse conditions, or temperature inversions (stable air). If the smoke layers or indicates a potential of hazardous spray drift, do not spray.

To aid in reducing spray drift, this product should be applied with a Microfoil boom or an equivalent drift control system, as a thick invert emulsion or with a spray thickening agent such as Nalco-Trol or its equivalent. If a spray thickening agent is used, follow all use recommendations and precautions on the product label. Do not use a thickening agent with the Microfoil boom, or other systems that cannot accommodate thick sprays.

Ground Equipment: With ground equipment, spray drift can be reduced by keeping the spray boom as low as possible; by applying 20 gallons or more of spray per acre; by using no more than 40 pounds spraying pressure with large droplet producing nozzle tips; and by spraying when wind velocity is low. Do not apply with hollow cone-type insecticide or other nozzles that produce a fine droplet spray.

High Volume Leaf-Titem Treatment: To minimize spray drift, do not use pressure exceeding 50 psi at the spray nozzle and keep sprays no higher than brush tops. Nalco-Trol thickening agent or equivalent may be used to reduce spray drift.

Aerial Application: With aircraft, drift can be lessened by applying a coarse spray; by using no more than 30 pounds spray pressure at the nozzles; by using straight stream nozzles directed straight back; by using a spray boom no longer than 3/4 the rotor or wing length; by spraying only when wind velocities are low; and by using approved drift control systems.

~~Do not move treated soil to other areas. Do not use it to grow plants, unless adequate positive bioassay or chemical tests show that no detectable pesticide is present in the soil.~~

Be sure that use of this product conforms to all applicable regulations.

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 therein 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

INSERT C

INSERT D

← INSERT E

← INSERT F

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 Limit of Warranty and Liability 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. Seller warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use, but 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, or under abnormal conditions, or under conditions not reasonably foreseeable to seller, and buyer assumes the risk of any such use.

LOT

***Trademark of THE DOW CHEMICAL COMPANY
87096-L2 A485**



**THE DOW CHEMICAL COMPANY
Midland, Michigan 48640 U.S.A.**

**SPECIMEN LABEL 86-1249 DATE CODE A485
REPLACES 86-1249 DATE CODE 784
DISCARD PREVIOUS SPECIMEN LABELS**

SL3090

**REVISIONS INCLUDE:
1) CHANGE IN INGREDIENTS AND
PRECAUTIONARY STATEMENTS.**

INSERT A

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.

INSERT B

NOTE: A meeting was held on September 27, 1985 with Mr. Akerman, Mr. Mountfort and Mr. Taylor to discuss the groundwater advisory statement for end-use labels. A response to Dow's proposal has not yet been received. When the wording of this statement has been agreed upon, it will be added here as INSERT B to our end-use product labels.

INSERT C

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

INSERT D

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.

INSERT E

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.

INSERT F

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.