

**LOT MM**

**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

**SPECIMEN LABEL**



**Tordon<sup>\*</sup> K.**

A  
25 1983  
464-42

**herbicide**

**ACTIVE INGREDIENT:**  
Picloram (4-amino-3,5,6-trichloropicolinic acid) as the potassium salt .....24.0%  
**INERT INGREDIENTS:** .....76.0%  
Acid Equivalent: Picloram (4-amino-3,5,6-trichloropicolinic) acid — 20.8% — 2 lb./gal  
EPA Registration No. 464-421 EPA Est. 464-MI-1

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**PRECAUTIONARY STATEMENTS**  
*Hazards to Humans and Domestic Animals*  
**MAY BE HARMFUL IF SWALLOWED**  
**MAY CAUSE IRRITATION**  
Avoid Contact with Skin, Eyes, 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 plen-

ty of water. Get medical attention if irritation persists. If swallowed, induce vomiting immediately by drinking 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.

**Environmental Hazards**  
Do not apply directly to water. Do not apply where run-off 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.

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 Foods, Feeds  
Drugs or Clothing

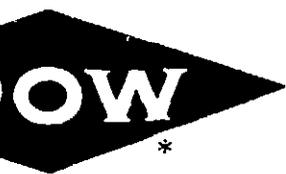
PRECAUCION AL USUARIO Si usted no lee inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.  
(TRANSLATION TO THE USER If you cannot read English, do not use this product until the label has been fully explained to you.)

**18.93 L/5 gal**

86-1249 PRINTED IN U.S.A. IN JANUARY, 1983.  
REPLACES SPECIMEN LABEL 86-1249 PRINTED IN MARCH, 1983.  
DISCARD PREVIOUS SPECIMEN LABELS.  
REVISIONS INCLUDE: COMPLETE REVISION OF LABEL .

# USE PESTICIDE

Direct supervision and only for those uses covered by the Certified Applicator's certification



# Tordon K.

464-421

## Herbicide

Potassium salt ..... 24.0%  
2,4-D acid — 20.8% — 2 lb./gal ..... 76.0%

EPA Est. 464-MI-1

### REACH OF CHILDREN

### CAUTION

Quantity of water. Get medical attention if irritation persists. If swallowed, induce vomiting immediately by drinking 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.

#### Environmental Hazards

Do not apply directly to water. Do not apply where run-off 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.

**AGRICULTURAL CHEMICAL**  
Do Not Ship or Store with Foods, Feeds  
Drugs or Clothing

Producto hasta que la etiqueta le haya sido explicada ampliamente.  
Use this product until the label has been fully explained to you.

1/5 gal

### 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, Absynth wormwood, Bouncingbet, Broom Snakeweed, Burro-weed, 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, Chapparral species, Dogwood, Douglas Fir, Firs, Fringed Sagebrush, Gorse, Guava, Gums, Hawthorn, Hemlock, Hickory, Java Plum, Juniper, Lantana, Liveoak, Locust, Maple, Mesquite, Oak, Persimmon, Pine, Poison Oak, Poplars, Rabbitbrush, Saimonberry, Sassafras, Sourwood, Spruce, Sumac, Trumpet creeper, Willows.

### DIRECTIONS FOR USE

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 ESTERON® 99® Concentrate, ESTERON® 6E, FORMULA 40®, DMA 4, Amizol, Amitrol T, Envert 171 and Weedone 2,4-DP 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 ESTERON 99 Concentrate, FORMULA 40, DMA 4, Amitrol T and Weedone 2,4 DP, or with 2/3 to 5-1/3 quarts of ESTERON 6E 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 ESTERON 99 Concentrate, FORMULA 40, DMA 4, 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 ESTERON 99 Concentrate or Amitrol T or with 4 pounds of Amizol and dilute to make 100 gallons of spray. One quart of a surfactant such 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 soil 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 ESTERON 99 Concentrate, FORMULA 40, or DMA 4 or with 2/3 to 1-1/3 quarts of ESTERON 6E.

**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 a 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.



	Rates of TORDON K Per Treated Acre
...tle, Musk	1/4 to 1.2 quart
...weed, ...Buffalobur, ...Snakeweed	1/2 to 1 quart
...us, Burroweed,	1 to 2 quarts
...inweed, Russian ...fax.	2 to 3 quarts
...Field Bindweed,	3 to 4 quarts

... tank mixed with ESTERON 99 Concentrate, FOR  
... on areas having mixed species including those which  
... mix combinations, use 1/4 to 1 quart TORDON K  
... ESTERON 99 Concentrate, FORMULA 40, or DMA  
... of ESTERON 6E.

... suggested rates to control several wo... plants are

	Rates of TORDON K Per Treated Acre
	1/2 to 1 quart
	1 to 2 quarts
...Gorse ...Fir, Cedars	2 to 3 quarts
...in Oak	3 to 4 quarts

... species such as balsam fir, black or Sitka spruce,  
... and sourwood, use 3 to 4 quarts of TORDON K with 6  
... Concentrate, or with 4 to 5-1/3 quarts of ESTERON  
... ters and root-suckering species such as sassafras,  
... mon, salmonberry, blackberry and western dewberry  
... quarts of TORDON K plus 4 to 10 quarts of ESTERON  
... 2,4-DP, or plus 2-2/3 to 6-2/3 quarts of ESTERON

...vert 171. TORDON K Herbicide can be applied as an in  
...ination spray with Envert 171 Woody... Herbicide  
... Envert 171 Woody Plant Herbicide to de... fine recom-

...vert 171 herbicide results in a thick invert water-in-oil  
... minimize spray drift. Such an emulsion may be formed  
... g) or flash inverted (Flash Mixing). For specific instruc-

... species such as sumac, sassafras, locust and black gum  
... Envert 171 plus 1-1/2 quarts TORDON K Herbicide  
... each acre to be sprayed.

... species such as red maple, elm or oaks are present, mix 5  
... us 1 to 3 quarts of TORDON K with 15 to 18 gallons of  
... sprayed.

...IZOL, MICROFOIL, SURFEL, ENVERT 171, and  
... of Union Carbide.

...k of NALCO Chemical Company.

#### ORAGE AND DISPOSAL

...minate water, food, or feed by storage or disposal

...de, spray, mixture, or rinsate that cannot be used or  
...id be disposed of in a landfill approved for pesticides  
...ay from water supplies.

...ot re-use containers for TORDON K Herbicide for  
...ching holes in them and burying with waste or by tak-  
... where indicated, follow official local container disposal

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 Purposes

To avoid injury to crops or other desirable plants, do not treat or allow spray drift to fall onto innerbanks 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 30 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.

**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 sensitive bioassay or chemical tests show that no detectable picloram is present in the soil.

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

**NOTICE:** 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.

U.S. Patent No. 3,285,925

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## THE DOW CHEMICAL COMPANY

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