

DowElanco  
9002 Purdue Road  
Indianapolis, IN 46268-1189

PM23

62719-5

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Quad III/2  
March 12, 1993



Document Processing Desk (H7504C)  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
Room 266A, Crystal Mall 2  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Attention: Dan Kenny (Team 23)  
Joanne I. Miller (PM-23)

RE: Tordon\* 101 Mixture  
EPA Registration No. 62719-5  
Data Call In of October 30, 1992 and January 15, 1993

Enclosed please find notification labeling per the EPA's Data Call In Dated October 30, 1992 and January 15, 1993 for DowElanco's Tordon 101 Mixture (EPA Reg. No. 62719-5).

I, being an authorized representative of DowElanco certify that all containers of Tordon 101 Mixture produced by October 23, 1993 will bear revised labeling in accordance with the revised labeling required for Task Force technical and manufacturing-use products. I further certify that all containers of said product sold or distributed by this company by April 15, 1993 will bear revised labeling in accordance with the revised labeling required for Task Force technical and manufacturing-use products.

Included in this submission are:

<u>Volume No.</u>	<u>Contents</u>
Volume 1 (Administrative)	Transmittal Document (this letter) EPA Application Form 8570-1 (OPP No. 185F32) Copy of EPA Data Call In dated October 30, 1992 and January 14, 1993 Label (2 copies) entitled: Tordon 101 Mixture (P1A LC LABELS US 66-76)

If you have any questions or need additional information, please call me at (317)870-7264.

Sincerely,  
DowElanco

A handwritten signature in black ink, appearing to read "Larry E. Hammond".

Larry E. Hammond  
Product Registration Manager

LEH:mg  
LEH:oa

Enclosures

\*Trademark of DowElanco

[Front Cover of Label Booklet]

### RESTRICTED USE PESTICIDE

May Injure (Phytotoxic) Susceptible, Non-Target Plants. 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. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

(logo) DowElanco

# Tordon\* 101 Mixture

A Weed and Brush Herbicide

Active ingredient(s):

picloram: 4-amino-3,5,6-trichloropicolinic acid, trisopropanolamine salt .....	10.2%
2,4-dichlorophenoxyacetic acid, trisopropanolamine salt† .....	39.6%

Inert Ingredients .....	50.2%
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Acid equivalents:

picloram: 4-amino-3,5,6-trichloropicolinic acid - 5.7% - 0.54 lb/gal
2,4-dichlorophenoxyacetic acid - 21.2% - 2 lb/gal

†Isomer Specific by AOAC Method No. 6.275-6.279 (13th Ed.)

Keep Out of Reach of Children

## WARNING AVISO:

Refer to inside of label booklet for additional precautionary information and Directions for Use including STORAGE AND DISPOSAL.

Notice: Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

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

EPA Reg. No. 62719-5  
87120

EPA Est. 464-MI-1  
900-001304

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DowElanco • Indianapolis, IN 46268, U.S.A.

### Specialty Herbicide

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**Precautionary Statements**

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**Hazards to Humans and Domestic Animals****WARNING AVISO:**

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

**Causes Substantial But Temporary Eye Injury • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Skin Reactions In Some Individuals • Harmful If Swallowed Or Absorbed Through Skin**

Do not get in eyes, on skin, or on clothing. When mixing, loading or applying this product, or repairing or cleaning equipment used with this product, wear eye protection (face shield or safety glasses), chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. It is recommended that safety glasses include front, brow and temple protection. For aerial applicators in an enclosed cockpit and applicators applying this product from a tractor that has a completely enclosed cab, eye protection is not required. During aerial application, human flaggers either must wear chemical resistant headgear or are prohibited unless in enclosed vehicles.

Wash hands, face and arms with soap and water as soon as possible after mixing, loading or applying this product. Wash hands, face arms with soap and water before eating, smoking or drinking. Wash hands and arms before using the toilet.

After work, remove all clothing and shower using soap and water. Do not reuse clothing worn during previous days mixing, loading or application of this product. Clothing must be kept and washed separately from other household laundry. Remove saturated clothing as soon as possible and shower.

**Note:** For containers of over 1 gallon, but less than 5 gallons: Persons engaged in pouring this product must also wear coveralls or chemical resistant apron.

For containers of 5 gallons or more: A mechanical transfer system (probe and pump) must be used for transferring the contents of the container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal.

**First Aid**

**If in eyes:** Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention promptly.

**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.

**If on skin:** Flush skin with plenty of water. Get medical attention if irritation persists.

**Environmental Hazards**

Drift or runoff may adversely affect nontarget plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

Picloram is a chemical which can travel (seep or leach) through soil and under certain conditions has the potential to 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.

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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, 1983).

### Physical or Chemical Hazards

**Combustible -- Do not use or store near heat or open flame. Do not cut or weld container.**

### Directions for Use

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

### Worker Protection Requirements

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR parts 156 and 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance.

It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment, restricted-entry interval, and notification to workers. For any requirements specific to your State, consult the agency in your state responsible for pesticide regulation.

### STORAGE AND DISPOSAL

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

**Storage:** Keep Container tightly closed when not in use. If exposed to subfreezing temperatures, the product should be warmed to at least 40°F and mixed thoroughly before using.

**Pesticide Disposal:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate, is a violation of Federal law and may contaminate groundwater. If these cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA regional office for guidance.

**Metal Container Disposal:** 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.

**Plastic Container Disposal:** 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.

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

**Sprayer Clean-Out:** To avoid injury to desirable plants, equipment used to apply Tordon 101 Mixture should be thoroughly cleaned before reusing to apply any other chemicals.

1. Rinse and flush application equipment thoroughly after use. Dispose of rinse water in non-cropland area away from water supplies.
2. Rinse a second time, adding 1 qt of household ammonia for every 25 gallons of water. Circulate the solution through the entire system so that all internal surfaces are contacted (15-20 min.). Let the solution stand for several hours, preferably overnight.
3. Flush the solution out of the spray tank through the boom.
4. Rinse the system twice with clean water, recirculating and draining each time.
5. Nozzles and screens should be removed and cleaned separately.

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### **General Information**

Tordon 101 Mixture weed and brush herbicide is recommended for control of unwanted annual and perennial broadleaved weeds and woody plants and vines on forest planting sites and non-crop areas including industrial manufacturing and storage sites, rights-of-way such as electrical power lines, communication lines, pipelines, highways, railroads and wildlife openings in forest and non-crop areas.

Use Tordon 101 Mixture weed and brush herbicide at rates of 1/2 to 2 gallons per acre to control broadleaved weeds and at rates of 1 to 2 gallons per acre to control woody plants and vines. Tordon 101 Mixture may be tank mixed with Garlon 4, or Garlon 3A herbicides, or 4 lb/gal 2,4-D low-volatile esters registered for sites listed on this label to control mixed woody plant and vine species. When tank mixing, observe all precautions, directions, and limitations on both products labeling. In all cases use the amounts specified in enough water to give thorough and uniform coverage of the plants to be controlled.

**Note:** Tordon 101 Mixture does not mix readily with oil. Use of a non-ionic agricultural surfactant, such as Ortho X-77, Triton AG-98, or Tronic, is recommended for all applications. When using surfactants, follow the use directions and precautions listed on the surfactant manufacturer's label. Use the higher recommended concentrations of surfactant in the spray mixture when applying lower spray volumes per acre.

### **General 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.

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

**Do not use for manufacturing or formulating.**

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

**Do not make application when circumstances favor movement from treatment site.**

**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 spray if the loss of forage legumes cannot be tolerated. Tordon 101 Mixture may injure or kill legumes. New legume seedlings may not grow within 2 years following application of this herbicide.**

**Do not transfer livestock from treated grazing areas onto sensitive broadleaf crop areas without first allowing 7 days of grazing on an untreated grass pasture. Otherwise, urine may contain enough picloram to cause injury to sensitive broadleaf plants.**

**Do not use manure from animals grazing treated areas on land used for growing broadleaf crops, ornamentals, orchards or other susceptible, desirable plants. Manure may contain enough picloram to cause injury to susceptible plants.**

**Do not use grass or hay from treated areas for composting or mulching of susceptible broadleaf plants.**

**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.**

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Do not apply or otherwise permit Tordon 101 Mixture or sprays containing Tordon 101 Mixture 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.

Do not apply Tordon 101 Mixture to residential or commercial lawns or near ornamental trees and shrubs. Untreated trees can occasionally be affected by root uptake of herbicide through movement into the top soil or by excretion of the product from the roots of nearby treated trees. Do not apply Tordon 101 Mixture within the root zone of desirable trees unless such injury can be tolerated.

Avoid injury to newly planted conifers. Conifer planting intervals vary. Pines planted sooner than six months after treatment with Tordon 101 Mixture 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 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.

#### Avoiding 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 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.

**Aerial Application:** For aerial application on rights-of-way or other areas near susceptible crops, use Nalco-Trol drift control additive as recommended by the manufacturer or apply the Microfoil or Thru-Valve boom or use an equivalent drift control system. Thickened sprays prepared by using high viscosity invert systems or other drift control additives or systems may be utilized if drift control is comparable to that obtained with Nalco-Trol or the Microfoil or Thru-Valve boom. 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.

With aircraft, drift can be lessened by applying a coarse spray; by using spray pressures no greater than are required to obtain adequate plant coverage; by using straight stream nozzles directed straight back; by spraying only when wind velocities are low; or by using approved drift control system.

**Ground Equipment:** To aid in reducing spray drift, Tordon 101 Mixture should not be used in thickened (high viscosity) spray mixtures using Nalco-Trol drift control additive or equivalent as directed by the manufacturer. 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 spray pressures no greater than are required to obtain adequate plant coverage; 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-Stem Treatment:** Spray drift may be minimized by using spray pressures no greater than are required to obtain adequate plant coverage and spraying no higher than brush tops. Avoid excessive pressures which result in formation of fine spray mists. Nalco-Trol thickening agent or equivalent may be used to reduce spray drift. Do not apply this product through a mist blower.

#### Mixing and Loading

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on an impervious pad to contain spills will help prevent groundwater contamination.

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## Plants Controlled by Tordon 101 Mixture

### Annual and Perennial Broadleaved Weeds Controlled by Tordon 101 Mixture

bindweed, field	goldenrod	rush skeleton
bouncingbet	horsenettle	weed
carrot, wild	knapweed	sowthistle
chicory	milkweed	spurge, leafy
clover	plantain	starthistle, yellow
dandelion	prickly lettuce	thistles
dock	ragweed	toadflax
ileabane	ragwort, tansy	vetch

### Woody Plants and Vines Controlled by Tordon 101 Mixture

ailanthus	fir, balsam	persimmon
alder	gorse	pine
aspen	gum	poison oak
birch	hemlock	sassafras
blackberry	hickory	sourwood
bracken fern	honeysuckle	spruce
buttonbush	kudzu	sumac
cherry	locust	tulip poplar
Douglas fir	maple	wild rose
elm	oak	willow

## Approved Uses

### Forest Uses

#### Agricultural Use Requirements for Forests

**Personal Protective Equipment:** Mixers, loaders and applicators or persons repairing or cleaning equipment must wear personal protective equipment specified in the "Precautionary Statements" section of this label.

**Restricted Entry Interval:** Do not enter or allow agricultural workers to enter into treated areas during the restricted entry interval (REI) of 24 hours. For early reentry to treated areas that is permitted under the Worker Protections Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear eye protection, chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes. During aerial application, human flaggers either must wear chemical resistant headgear or are prohibited unless in enclosed vehicles.

### Non-crop Uses

#### Use Requirements for Non-cropland Areas

**Personal Protective Equipment:** Mixers, loaders and applicators or persons repairing or cleaning equipment must wear personal protective equipment specified in the "Precautionary Statements" section of this label.

**Restricted Entry Interval:** Do not enter into treated areas until sprays have dried. For early reentry to treated areas, wear eye protection, chemical resistant gloves, long-sleeved shirt, long pants, socks and shoes.

### High Volume Leaf-Stem Treatment

Use Tordon 101 Mixture at the rate of 1 gallon in water to make 100 gallons of spray to control broadleaved weeds, vines and other woody plants. To control a wider range of plant species, mix 1/4 to 1/2 gallon of Tordon 101 Mixture with 1 to 3 quarts of Garlon 4 herbicide or 1 to 4 quarts of Garlon 3A Herbicide or 4 lb/gal 2,4-D low-volatile ester and dilute to make 100 gallons of spray. Apply after the foliage is wet.

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developed and in a manner to give thorough spray coverage. For woody plants, apply the spray mixture in a manner which thoroughly wets all leaves, stems and root collars. For hard-to-kill species, such as ash and oak, also wet the soil around the root collar. The amount of spray mixture applied per acre will vary with plant size and density; however, total use of Tordon 101 Mixture should not exceed 8 quarts per acre.

**Note:** Do not allow the spray, even as minute amounts of spray drift, to contact desirable broadleaf plants, and do not wet the soil over roots of such plants.

### **Broadcast Ground or Aerial Foliage Treatment**

To obtain adequate plant coverage, it is recommended that ground applications of Tordon 101 Mixture be made in 15 or more gallons of total spray mixture per acre. For aerial applications, use of 5 to 20 gallons per acre of spray mixture is recommended. Use higher spray volumes where plants are tall, where the vegetation to be treated is dense, or where difficult to control species are present.

### **Broadleaved Annual and Perennial Weed and Woody Vine Control**

Use Tordon 101 Mixture weed and brush herbicide at rates of 2 quarts to 2 gallons per acre in a water spray mixture. Apply to problem weeds and vines any time after growth begins in the spring and late in summer or fall.

For seasonal control of vigorously growing stands of field bindweed, Canada thistle or mixtures of these with susceptible annual weeds such as ragweed, dandelion, plantain, clovers and dock use 2 to 3 quarts of Tordon 101 Mixture per acre in water spray.

In arid areas and for control of more resistant perennial weeds use 1 to 2 gallons of Tordon 101 Mixture per acre. Use 1 to 1.5 gallons per acre to control species such as Canada thistle, field bindweed and milkweed. The higher rates should be used under drought stress conditions and for the more resistant species such as bouncingbet, leafy spurge, foxtail and woody vines. The spectrum of activity can be improved by tank mixing 1/2 to 1 gallon of Tordon 101 Mixture with 1/3 to 1 gallon of Garlon 3A or 1 to 3 quarts of Garlon 4 per acre.

### **Woody Plant Control**

Use Tordon 101 Mixture at the rate of 1 to 2 gallons per acre in a water spray mixture.

For susceptible seedling stages of species such as aspen, cherry, and sumac use 1 to 1.5 gallons of Tordon 101 Mixture per acre in a water spray mixture.

For more mature and/or less susceptible species such as Poison oak, blackberries, Douglas fir, willow, buttonbush, black locust, sassafras, sumac, tulip poplar and cherry use 2 gallons of Tordon 101 Mixture per acre in a water spray mixture.

For more resistant brush such as maple, pine, sourwood, blackgum, cedar and oak and to improve the spectrum of species controlled, 1 to 2 gallons of Tordon 101 Mixture per acre can be tank mixed with 1/2 to 2 gallons per acre of Garlon 3A, Garlon 4 or 4 lb/gal 2,4-D low-volatile ester.

**Note:** For best results under conditions of drought stress, use the higher rates recommended. Even these rates under such conditions may not be as effective as the lower rates under good growing conditions.

### **Cut Surface Treatments**

In forest and other non-crop areas to kill unwanted trees such as elm, maple, oak and pine apply Tordon 101 Mixture, either undiluted or diluted in a 1 to 1 ratio with water, as directed below.

#### **With Tree Injector Method**

Application should be made by injecting 1/2 milliliter or undiluted Tordon 101 Mixture or 1 milliliter of the diluted solution through the bark at intervals of 3 inches between edges of the injector wound. The injections should completely surround the tree at any convenient height.



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**With Frill or Girdle Method**

Make a single girdle through the bark completely around the tree at a convenient height. Wet the cut surface with the diluted solution.

**Stump Treatment**

Spray or paint to wet the cut surfaces of freshly cut stumps or stubs with Tordon 101 Mixture undiluted or diluted 1:1 in water. All of the cambium area next to the bark is the most vital area to wet.

The above methods may be used successfully at any season except during periods of heavy sap flow of certain species such as maples or during drouthy periods. Untreated trees within a few feet of the treated trees or stumps may be injured or killed.

**Broadcast Cut Stubble Treatment**

To prevent resprouting of susceptible woody species after mowing or hand cutting on non-crop areas and right-of-ways, use Tordon 101 Mixture at the rate of 2 to 4 gallons per acre in 25 or more gallons of a water spray mixture. Best results may be obtained when applications are made before or during periods of active root growth. Applications should not be made when the soil surface is frozen or covered by snow or standing water. It is recommended that applications be made soon after cutting, before sprouting of woody species has occurred.

**Broadcast Treatments for Forest Site Preparation  
(not for conifer release)**

For broadcast applications apply the recommended rate of Tordon 101 Mixture in a total spray volume of 5 to 25 gallons per acre by air or 10 to 100 gallons per acre by ground. Use spray volumes sufficient to provide thorough coverage of treated foliage. Use application systems designed to prevent spray drift to off-target sites. Nozzles or additives that produce larger droplets may require higher spray volumes to provide adequate coverage. Note: This use is not intended for conifer release (see precautions).

**Southern States including Alabama, Arkansas, Delaware, Georgia, Louisiana, Maryland, Mississippi, North Carolina, Tennessee, Texas and Virginia**

To control susceptible woody plants and broadleaf weeds, apply Tordon 101 Mixture at a rate of 6 to 8 quarts per acre. To broaden the spectrum of woody plants and broadleaf weeds controlled, apply 6 to 8 quarts per acre of Tordon 101 Mixture in tank mix combination with 2 to 4 quarts per acre of Garlon 4 herbicide. Where grass control is also desired, Tordon 101 Mixture, alone or in combination with Garlon 4, may be tank mixed with 1 to 4 quarts per acre of Accord or Roundup herbicide, or 8 to 16 fluid ounces per acre of Arsenal Applicator's Concentrate herbicide. Susceptible woody plants, broadleaf weeds and grasses may also be controlled using a tank mix of 6 to 8 quarts per acre of Tordon 101 Mixture and 3 to 5 quarts of Accord or Roundup herbicide, or 16 to 24 fluid ounces of Arsenal Applicator's Concentrate. When applying tank mixes, follow use directions and precautions on each product label.

**In Western, Northeastern, North Central and Lake States (States not listed above as Southern States)**

To control susceptible woody plants and broadleaf weeds, apply Tordon 101 Mixture at a rate of 4 to 8 quarts per acre. To broaden the spectrum of woody plants and broadleaf weeds controlled, apply 4 to 8 quarts per acre of Tordon 101 Mixture in tank mix combination with 1.5 to 3 quarts of Garlon 4. Where grass control is also desired, Tordon 101 Mixture, alone or in tank mix combination with Garlon 4, may be applied with 1 to 3 quarts per acre of Accord or Roundup, 2 to 4 fluid ounces of Oust, a combination of Accord (or Roundup) plus Oust at the rates listed, or 8 to 16 ounces of Arsenal Applicator's Concentrate. When applying tank mixes, follow the use directions and precautions on each product label.

**Conifer Strip Thinning in the Northeastern United States**

To thin stands of naturally regenerated spruce and fir by applying herbicide in treated bands or strips which alternate with untreated bands or strips, apply Tordon 101 Mixture such that the application rate in the treated bands or strips is 2 to 3 gallons of herbicide per acre in a total spray mixture volume of 12 to 20 gallons. For best results, apply during the period of active conifer growth. To obtain the precise placement of spray mixture in the treated bands that is required for this technique, arial applications

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should be made using a helicopter equipped with Microfoil or Thru-Valve boom. Multiple treated bands may be obtained within a single spray swath by establishing alternating series of flowing and blocked spray nozzles.

**NOTE:** Injury or death of desired residual conifers may result if spray mixture is permitted to contact their foliage as a result of inaccurate flight guidance during aerial application or as a result of spray drift from treated into untreated strips.

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### **Warranty Disclaimer**

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DowElanco 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, subject to the inherent risks set forth below. DOWELANCO MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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### **Inherent Risks of Use**

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It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of DowElanco or the seller. All such risks shall be assumed by Buyer.

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### **Limitation of Remedies**

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The exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories), shall be limited to, at DowElanco's election, one of the following:

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

DowElanco shall not be liable for losses or damages resulting from handling or use of this product unless DowElanco is promptly notified of such loss or damage in writing. In no case shall DowElanco be liable for consequential or incidental damages or losses.

The terms of the "Warranty Disclaimer" above and this "Limitation of Remedies" cannot be varied by any written or verbal statements or agreements. No employee or sales agent of DowElanco or the seller is authorized to vary or exceed the terms of the "Warranty Disclaimer" or this "Limitation of Remedies" in any manner.

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[Base Label of Label Booklet]

**RESTRICTED USE PESTICIDE**

May Injure (Phytotoxic) Susceptible, Non-Target Plants. 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. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautionary statements.

(logo) DowEianco

**Tordon\* 101 Mixture****A Weed and Brush Herbicide****Active Ingredient(s):**

picloram: 4-amino-3,5,6-trichloropicolinic acid, trisopropanolamine salt ..... 10.2%  
 2,4-dichlorophenoxyacetic acid, trisopropanolamine salt† ..... 39.6%

Inert Ingredients ..... 50.2%

**Acid equivalents:**

picloram: 4-amino-3,5,6-trichloropicolinic acid - 5.7% - 0.54 lb/gal  
 2,4-dichlorophenoxyacetic acid - 21.2% - 2 lb/gal

†Isomer Specific by AOAC Method No. 6.275-6.279 (13th Ed.)

**Precautionary Statements****Hazards to Humans and Domestic Animals****Keep Out of Reach of Children****WARNING AVISO:**

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

**Causes Substantial But Temporary Eye Injury • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Skin Reactions In Some Individuals • Harmful If Swallowed Or Absorbed Through Skin**

Do not get in eyes, on skin or on clothing. Wear goggles, face shield or safety glasses when handling. When handling this product, wear chemical resistant gloves. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

**First Aid**

If in eyes: Immediately flush eyes with plenty of water for at least 15 minutes and get medical attention promptly.

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.

If on skin: Flush skin with plenty of water. Get medical attention if irritation persists.

**Environmental Hazards**

Drift or runoff may adversely affect nontarget plants. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. See additional Environmental Hazards under Precautionary Statements inside label booklet.

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**Physical or Chemical Hazards**

**Combustible** - Do not use or store near heat or open flame. Do not cut or weld container.

Refer to attached label booklet for additional precautionary information and Directions for Use including **STORAGE AND DISPOSAL**.

**Notice:** Read the entire label. Use only according to label directions. Before buying or using this product, read "Warranty Disclaimer" and "Limitation of Remedies" inside label booklet.

In case of emergency endangering health or the environment involving this product, call collect 517-636-4400.

**Agricultural Chemical:** Do not ship or store with food, feeds, drugs or clothing.

EPA Reg. No. 62719-5  
87120

EPA Est. 464-MI-1  
900-001304

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**Specialty Herbicide**

**Label Revisions:**

- 1) Added requirements of the Worker Protection Standard.
- 2) Reformatted label to be compatible with requirements of the Worker Protection Standard.
- 3) Added requirements to comply with the 2,4-D Exposure Reduction Program.