Aug 4, 1976

464-421

SPECIMEN LABEL

DOW* TORDON* K HERBICIDE

A Water Soluble Formulation of Picloram for Use with VERTON 2D and VERTON 2T Herbicides*

AGRICULTURAL CHEMICAL

Do Not Ship or Store with Food, Feeds, 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.)

CAUTION

KEEP OUT OF REACH OF CHILDREN
MAY BE HARMFUL IF SWALLOWED
MAY CAUSE IRRITATION

Avoid contact with eyes, skin and clothing
Avoid breathing spray mist • Keep container closed

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	

E.P.A. Registration No. 464-421-AA E.P.A. Est. 464-MI-1

GENERAL INFORMATION

TORDON K herbicide is designed for application as a tank mix combination spray with VERTON 2D and VERTON 2T herbicides. **Do not use TORDON K alone.** Consult label directions for VERTON 2D and VERTON 2T to determine recommended use. Observe all use and handling precautions given on labels for these products plus those specified on this label.

USE DIRECTIONS

Use TORDON K as a tank mix combination spray with either VERTON 2D **or** VERTON 2T herbicides to control the following annual and perennial broadleaf weeds plus many other species infesting **right-of-ways** of power and communication lines, pipelines, railroads and highways and **other agricultural and industrial non-cropland areas:**
bindweed, field; bouncingbet; bursage; carrot, wild; chicory; clover; fleabane; goldenrod; knapweed, diffuse; knapweed, Russian; milkweed; parsnip, wild; skeletonweed; sowthistle; spurge, leafy; sweetclover; thistle, Canada; toadflax, dalmation; toadflax, yellow

and unwanted woody species:
ash; aspen; bracken fern; buttonbush; cedar; dogwood; fir, balsam; fir, Douglas; gorse; gums; hemlock; hickory; locust; maples; oaks; persimmon; pine; salmonberry; sassafras; sourwood; spruce; sumac; trumpetcreeper.

The use of TORDON K with VERTON 2D **or** VERTON 2T provides better control of rootsuckering species such as aspen, locust, sassafras and sumac than can be obtained using either of these products alone or in combination.

Note: Do not use TORDON K on rangeland or for conifer release.

Amounts to Use: Always use TORDON K with VERTON 2D or VERTON 2T in the ratio of 1 part TORDON K and 4 parts VERTON 2D or VERTON 2T. Apply each product at the following rates depending on weed and brush species to be controlled.

For annual broadleaf weeds use 1 pint of TORDON K and 2 quarts of VERTON 2D **or** VERTON 2T and apply in enough spray volume to obtain adequate coverage, usually 15 to 20 gallons of spray mixture per acre.

For perennial broadleaf weeds and susceptible woody species use 1 to 3 quarts of TORDON K and 1 to 3 gallons of VERTON 2D **or** VERTON 2T. Apply in enough spray volume for adequate coverage, usually 15 to 25 gallons of spray mixture per acre.

For difficult to control woody species, such as ash, balsam fir, black spruce, bracken fern, eastern red cedar, gums, hickory, maple, oaks, salmonberry and sourwood, use 3 to 4 quarts of TORDON K and 3 to 4 gallons of VERTON 2D **or** VERTON 2T. Apply in enough spray volume to obtain adequate coverage, usually 20 to 25 gallons per acre.

NOTE: Always use TORDON K with VERTON 2D or VERTON 2T in a ratio of 1 part to 4 respectively. Do not mix TORDON K directly with VERTON 2D or VERTON 2T; **see How to Prepare the Spray** for proper mixing procedure.

Mixing Instructions: Consult label directions under **How to Prepare the Spray** and use the table below as a guide to the amount of each spray ingredient needed to prepare 100 gallon batches of total spray based on the pounds of active ingredients and total spray volume desired per acre.

Rate per Acre		Gallons of Each Ingredient Needed to Make 100 Gallons Spray†			
Pounds of 2,4-D *or* 2,4,5-T + Picloram Acid Equivalent	Total Gallons of Spray	VERTON 2D *or* VERTON 2T	Oil	TORDON K	Water
1 + 0.25	15	3.3	6.7	0.8	89.2
	20	2.5	7.5	0.6	89.4
2 + 0.5	15	6.7	3.3	1.7	89.3
	20	5.0	5.0	1.3	88.7
	25	4.0	6.0	1.0	89.0
3 + 0.75	15	10.0	—	2.5	87.5
	20	7.5	2.5	1.9	88.1
	25	6.0	4.0	1.5	88.5
4 + 1.0	15	13.3	—	3.3	83.4
	20	10.0	—	2.5	87.5
	25	8.0	2.0	2.0	88.0
5 + 1.25	15	16.7	—	4.2	79.1
	20	12.5	—	3.1	84.4
	25	10.0	—	2.5	87.5
6 + 1.5	15	20.0	—	5.0	75.0
	20	15.0	—	3.7	81.3
	25	12.0	—	3.0	85.0
7 + 1.75	20	17.5	—	4.4	78.1
	25	14.0	—	3.5	82.5
8 + 2.0	20	20.0	—	5.0	75.0
	25	16.0	—	4.0	80.0

† The amounts of each component may be proportionally increased or decreased if larger or smaller batches are needed. Consult manufacturer's "INVERT EMULSION MANUAL" for additional chemical – oil to water – TORDON K phase ratios.

86-1249 PRINTED IN JUNE, 1976
REPLACES SPECIMEN LABEL 86-1249 PRINTED IN OCTOBER, 1974
DISCARD PREVIOUS SPECIMEN LABELS
REVISIONS INCLUDE: (1) DELETED REQUIREMENT TO USE ONLY WITH VERTON 2D OR VERTON 2T HERBICIDES.

[redacted] TORDON K herbicide is designed for application as a tank mix ... VERTON 2D or VERTON 2T. Apply in enough spray volume

SPECIMEN LABEL
(BACK)

HOW TO PREPARE THE SPRAY

Use of TORDON K with VERTON 2D **or** VERTON 2T herbicides 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).** Refer to the following directions for method to be used and consult the **"INVERT EMULSION MANUAL"** available from The Dow Chemical Company.

Batch Mixing (Application from a single spray tank): To a clean, dry spray tank, equipped with good mechanical agitation, add the required amounts of VERTON 2D **or** VERTON 2T and No. 2 fuel or diesel oil or kerosene and agitate until thoroughly mixed. Then, with continued vigorous agitation, add the required amount of water plus TORDON K. After addition and blending of all ingredients and with continued agitation, recycle the mixture through the spray pumping system and back into the tank to develop the required viscosity (thickness). One or two such cycles are usually enough. Minor variations in viscosity may be obtained by adding small amounts of water to increase the thickness or small amounts of oil to decrease the thickness.

Flash Mixing: Two, clean, dry spray tanks are required. To one tank add the required amount of VERTON 2D **or** VERTON 2T; add the required amount of water to the other tank. If oil is needed, add it to the VERTON 2D or VERTON 2T and mix thoroughly. TORDON K should be thoroughly mixed with the water or, if desired, it may be introduced from a third container to avoid contamination of the water tank. To form the invert emulsion, the contents of each tank are combined in the proper ratio. Further thickening of the emulsion is obtained from shear produced in the mixing system. To ensure the proper ratio of ingredients as selected from the mixing proportion table, a metering device from each tank is necessary. It also is essential to start flow of the chemical-oil phase prior to introducing the water phase. Be sure to consult manufacturer's "INVERT EMULSION MANUAL" for equipment specifications.

USE PRECAUTIONS

Do Not Allow Spray Drift: TORDON K is highly active against many broadleaf plants. Very small amounts may cause injury to such plants if applied during either growing or dormant periods. Do not apply or otherwise permit TORDON K or sprays containing TORDON K to contact desirable plants such as flowers, other ornamental plants, vegetables, grapes, fruit trees, cotton, tobacco, tomatoes, potatoes, beans of all types including soybeans and other valuable broadleaf plants, or the soil containing roots of such valuable plants. Apply sprays containing TORDON K only when there is little or no wind or other weather conditions that might cause spray to drift from area treated. Coarse sprays are least likely to drift.

Do Not Contaminate Water: To avoid injury to crops or other desirable plants, do not contaminate irrigation ditches or water intended for irrigation or domestic purposes. Do not treat or allow spray drift to fall onto inner 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 Move Treated Soil: Do not go over treated areas with land levelers or move the soil from treated areas by any other means.

Do Not Treat Areas Intended to be Used for Desirable Broadleaf Plants or Cultivated Food Crops.

Other Precautions: Do not store near food, feedstuff, fertilizer, seeds, insecticides, fungicides or other pesticides. To avoid injury to desirable plants, do not handle or apply other agricultural chemicals with the same containers or equipment used for TORDON K, except as noted.

Equipment and containers used solely for TORDON K should be rinsed thoroughly with water and wastes should be buried in non-croplands away from desirable plants and water supplies. Punch holes in empty containers and dispose by burying with wastes.

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 **B676**

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