



# VERTON\* 2D

## HERBICIDE

**SPECIMEN LABEL**  
REDUCED TO 90%

### ACTIVE INGREDIENTS:

2,4-Dichlorophenoxyacetic Acid, Propylene Glycol Butyl Ether Esters.....	39.6%
<b>INERT INGREDIENTS:</b> .....	<b>60.4%</b>
<b>Acid Equivalent:</b>	
2,4-Dichlorophenoxyacetic Acid.....	24.5%—2 lb./gal
E.P.A. Registration No. 464-423-AA	
E.P.A. Est. 464-MI-1	

### 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 completamente.

**TRANSLATION: (TO THE USER:)** If you cannot read English, do not use this product until the label has been fully explained to you.

VERTON 2D herbicide is recommended for use alone or as a tank mix combination spray with either VERTON 2T or TORDON K herbicides to control a broad range of undesirable broadleaf weeds and woody plants growing on rangeland; on right-of-ways of power and communication lines, pipelines, railroads, and highways; on forested areas (for conifer release and site preparation) and on other agricultural and industrial non-cropland areas.

### USE DIRECTIONS

**General Information:** VERTON 2D is designed for use as a thick invert water in oil spray emulsion to minimize spray drift. The spray can be batch mixed in a single spray tank or flash mixed using two or more separate tanks. See label directions under **How to Prepare the Spray** for details.

Apply sprays containing VERTON 2D using either ground or aerial equipment. When the product is batch mixed, equipment designed for use with high viscosity (thickened) sprays must be used. For additional information on both batch and flash inversion mixing and application equipment consult the "INVERT EMULSION MANUAL" available from The Dow Chemical Company.

VERTON 2D may be applied alone (**Program A**) or in combination with either VERTON 2T (**Program B**) or TORDON K (**Program C**) herbicides. Select the best spray program to use based on specific weed and brush species to be controlled.

**NOTE:** Do not use a spray program that provides a broader range of species control than needed for practical vegetation management objectives.

For best results spray when foliage is well developed and weeds and brush are growing actively. With good growing conditions and high soil moisture, application can be made up to 2 or 3 weeks before normal fall frost. Control may be less during hot, dry weather when soil moisture is deficient.

**HOW TO PREPARE THE SPRAY:** Invert emulsions containing VERTON 2D 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) for further details.

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REPLACES SPECIMEN LABEL PRINTED IN MARCH, 1968

REVISIONS INCLUDE: (1) EPA ESTABLISHMENT NUMBER ADDED  
(2) USDA CHANGED TO EPA (3) AGRICULTURAL CHEMICAL STATEMENT ADDED (4) SPANISH WARNING ADDED.

**A 2,4-D Formulation Designed to Control a Broad Range of Undesirable Broadleaf Weeds and Brush by Application as a Thick Invert Emulsion to Minimize Spray Drift.**

**Batch Mixing** (To be applied from a single spray tank): To a clean, dry spray tank, equipped with good mechanical agitation, add the required amounts of VERTON 2D (plus VERTON 2T if Program B is used) 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. If TORDON K is used (Program C), add it with the water at this time. 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; add the required amount of water to the other tank. If oil and/or VERTON 2T (Program B) are needed, add them to the VERTON 2D and mix thoroughly.

If TORDON K is used (Program C), thoroughly mix it with the water. If desired, TORDON K 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 tables, 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 let VERTON 2D or sprays containing it come into contact with vegetables, flowers, grapes, fruit trees, ornamentals, cotton or other desirable plants that are sensitive to 2,4-D, since even minute quantities may cause injury to such plants during either the growing or dormant periods. Applications by either ground or aerial equipment should be made only when there is no hazard from drift. Do not apply by aircraft in the vicinity of cotton, grapes or other desirable 2,4-D susceptible vegetation. At higher temperatures, vaporization may cause injury to susceptible plants growing nearby. Excessive amounts of this product in the soil may temporarily stop seed germination or plant growth. Do not contaminate water used for domestic or irrigation purposes. Do not store near fertilizer, seeds, insecticides or fungicides. To avoid injury to desirable plants, do not store, handle or apply other agricultural chemicals with the same containers or equipment used for VERTON 2D except as specified on label.

Local conditions may affect the use of herbicides. State agricultural experiment station 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.

Do not graze dairy animals on treated areas within 7 days after application of VERTON 2D. Follow grazing restrictions given on labeling for VERTON 2T when Program B is used.

Carefully note the following points:

1. Before using VERTON 2D with VERTON 2T or TORDON K read and observe all use precautions and statements of hazard given on labels for these products.
2. Even though the inverted emulsion formed by the proper mixing of VERTON 2D is a thicker spray mixture which drifts less than conventional spray mixtures during application, care must still be taken to avoid drift of spray particles onto susceptible plants.
3. Coarse sprays are least likely to drift; therefore, nozzles with large orifices and a low spraying pressure should be used. Keep out of lakes, streams and ponds. This product is toxic to fish. Apply this product only as specified on this label.

**Cleaning of Equipment and Disposal of Waste:** After use, equipment such as tanks, lines, booms, nozzles and containers used in the handling and application of VERTON 2D should be flushed with oil such as kerosene or No. 2 fuel or diesel oil. Dispose of flushing and rinse wastes by burying in non-croplands away from water supplies. Punch holes in empty containers and dispose by burying with wastes.

### CAUTION

**KEEP OUT OF REACH OF CHILDREN  
MAY BE HARMFUL IF SWALLOWED  
COMBUSTIBLE**

**Avoid Contact with Eyes, Skin and Clothing  
Do not use, pour, spill or store near  
heat or open flame**

**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.

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### THE DOW CHEMICAL COMPANY

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