

# Product Bulletin



Dow AgroSciences LLC

9330 Zionsville Road

Indianapolis, IN 46268-1054 USA

## 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.

## Tordon\* K

EPA Reg. No. 62719-17

## Garlon\* 4

EPA Reg. No. 62719-40

### Special 2(ee) Recommendation<sup>†</sup>

### Mixing and Application Instructions for Tordon K and Garlon 4 Applied as a Low Volume Basal Bark Treatment for the Control of Woody Plants

Applicable in the following states only: Alabama, Arkansas, Arizona, Colorado, Georgia, Idaho, Illinois, Indiana, Iowa, Kentucky, Louisiana, Maryland, Mississippi, Missouri, Montana, Nevada, New Mexico, North Carolina, Ohio, Oklahoma, Oregon, Pennsylvania, South Carolina, Tennessee, Utah, Washington, West Virginia and Wyoming

## ATTENTION

<sup>†</sup>This recommendation is made as permitted under FIFRA 2(ee) and has not been submitted to or approved by the EPA or state lead pesticide agency.

- It as a violation of Federal law to use this product in a manner inconsistent with its labeling.
- This product bulletin must be in the possession of the user at the time of application.
- Read and follow all label precautions and limitations imposed by the labels affixed to the containers for Tordon K and Garlon 4.

## Directions for Use

### Woody Plant Species Controlled:

Ash	Elm	Maple	Poplar
Aspen	Hackberry	Oak	Oceanspray
Birch	Hickory	Pine	Tanoak
Cherry	Locust	Sassafras	Multiflora Rose

### Application Directions:

To control susceptible woody plants with stems less than 6 inches in diameter, apply with a backpack or knapsack sprayer using low pressure and a solid cone or flat fan nozzle. Spray the root collar area, but not to the point of runoff. Herbicide concentration should vary with size and susceptibility of the species treated and season of application. Apply at any time, including the winter months, except when snow or ice prevent spraying to the groundline.

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**Mixing Directions:**

Tordon\* K and Garlon\* 4 herbicides are incompatible and will not form a stable mixture when mixed together directly. However, a stable tank mixture for purposes of application can be made if each of the two products are first combined with a compatibility agent and then mixed in proper ratio as indicated in the following step-by-step instructions (carefully follow mixing instructions and measure volumes accurately):

1. Prepare a 1:1 mixture of Tordon K and propylene glycol (1 part Tordon K to 1 part propylene glycol). Mix equal volumes of the two materials and agitate until thoroughly mixed. Use of propylene glycol is necessary to prevent an invert emulsion from forming when further mixing occurs.
2. Prepare a 5:1 mixture of a diluent oil and Garlon 4 (5 parts oil to 1 part Garlon 4). Use a typical diluent oil such as kerosene, diesel fuel or mineral oil, or an oil diluent such as Hygrade, Hygrade EC, or Arborchem Basal Oil. Agitate until thoroughly mixed.
3. When ready to apply, combine the premixed Tordon K plus propylene glycol and Garlon 4 plus oil mixtures in the desired ratio (see table below for amount of each to use for various finished spray volumes). Agitate while mixing and agitate periodically during application to maintain a uniform spray mixture. Combine only enough of the mixtures for immediate use. Do not store the final mixture.

**Note:** The final mixture will separate if left unagitated for any period of time (approximately 15 to 30 minutes) but can be easily remixed. If applied by backpack sprayer, agitation can be accomplished by sloshing or shaking periodically during application.

Mixing Instructions to Achieve Desired Ratios of Garlon 4 to Tordon K						
Volume of Finished Spray (Gallons)	2:1 Ratio Amounts of A <sup>†</sup> +B <sup>††</sup>		4:1 Ratio Amounts of A+B		6:1 Ratio Amounts of A+B	
	A	B	A	B	A	B
1	2 pt	6 pt	1 pt	7 pt	2/3 pt	7 1/3 pt
2	2 qt	6 qt	1 qt	7 qt	1 1/3 pt	14 2/3 pt
3	3 qt	9 qt	1 1/2 qt	10 1/2 qt	1 qt	11 qt
4	1 gal	3 gal	2 qt	14 qt	1 1/3 qt	14 2/3 qt
5	1 1/4 gal	3 3/4 gal	2 1/2 qt	17 1/2 qt	1 2/3 qt	18 1/3 qt

<sup>†</sup>Component A = Tordon K plus propylene glycol

<sup>††</sup>Component B = Garlon 4 plus oil

**Note:** Stable, ready-to-use premixes of Garlon 3A and Tordon K are also available from certain custom blending service providers. These mixtures may be dispensed directly into application equipment. Follow handling instructions for these premixes provided by the custom blending service provider. For more information on these premixes, contact your Dow AgroSciences representative.

\*Trademark of Dow AgroSciences LLC

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Revisions:

1. Added information on availability of stable premixes from custom blenders.