



RHÔNE-POULENC AG COMPANY

**Certification of Compliance Statement**

I, being an authorized representative of Rhône-Poulenc Ag Company, certify that all containers of ENVERT® 171 Woody Plant Herbicide, EPA Reg. No. ~~264-223~~, 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, 1994 will bear revised labeling in accordance with the revised labeling required for Task Force technical and manufacturing-use products.

Company Representative: Karen S. Shearer

Title: Registration Manager

Signature: Karen S. Shearer

Date: February 26, 1993

# ENVERT® 171 WOODY PLANT HERBICIDE

A Formulation Of 2,4-D And 2,4-DP For Creating An Invert Emulsion Or Conventional Spray. Controls Mixed Brush On Utility Rights-Of-Way, Roadsides, Drainage Ditchbanks, And Similar Areas.

**ACTIVE INGREDIENTS:**

- \*2,4-Dichlorophenoxyacetic acid, butoxyethanol ester .....16.8%
- \*\*2-(2,4-Dichlorophenoxy)propionic acid, butoxyethanol ester.....19.5%

**INERT INGREDIENTS:**

- .....63.7%
- \*2,4-Dichlorophenoxyacetic acid equivalent 11.6% by weight or 0.95 pound per gallon.
- \*\*2-(2,4-Dichlorophenoxy) propionic acid equivalent 13.7% by weight or 1.125 pounds per gallon.
- Isomer specific by AOAC method No. 6.DO1-5

EPA Reg. No. 264-223

EPA Est. No. 264-MO-01

## KEEP OUT OF REACH OF CHILDREN CAUTION

For **MEDICAL** and **TRANSPORTATION** Emergencies **ONLY** Call 24 Hours a Day 1-800-334-7577.  
For **PRODUCT USE** Information Call 1-800-334-9745.

### STATEMENT OF PRACTICAL TREATMENT

In case of contact, wash skin with soap and water; for eyes flush with water for at least 15 minutes and get medical attention.

### PRECAUTIONARY STATEMENTS

#### CAUTION

#### HAZARD TO HUMANS AND DOMESTIC ANIMALS

When handling, loading, unloading, or applying this product, wear protective clothing (long pants, socks and shoes). It is recommended that safety glasses, goggles, long hair and beard protection (For male applicators), and enclosed cockpit and applicator, applying this product from a tractor, has a completely enclosed cab, eye protection is not required. When applying from a tractor with an enclosed cab or applicator with enclosed cockpit, it is recommended that gloves worn during handling the concentrate be removed prior to entering an enclosed cab or cockpit.

Wash hands, face and arms with soap and water as soon as possible after loading, unloading, or applying this product. Wash hands, face and arms with soap and water before eating, smoking or drinking. Wash hands and arms before being in contact with children. After work, remove all clothing and shoes using soap and water. Do not reuse clothing worn during the previous day's loading and unloading or application of this product without cleaning first. Clothing must be kept and washed separately from other household laundry. Remove shoes and socks as soon as possible and store.

**NOTE:** (1) For containers over 1 gallon, but less than 5 gallons, persons engaged in pouring of the product must wear overalls or a chemical-resistant apron. (2) For containers of 5 gallons or more, a mechanical transfer system (probe and pump) must be used in transferring the contents of the container. If the contents of a non-refillable pesticide container are emptied, the probe shall be rinsed before removal.

#### ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Drift or runoff may adversely affect fish and non-target plants. Do not apply directly to water or wetlands (swamps, bogs, marshes and potholes). Do not contaminate water when disposing of equipment washwaters. Do not apply when weather conditions favor drift from treated areas. Do not use in or near a greenhouse.

**MIXING AND LOADING:** Most cases of ground water contamination involving phenoxy herbicides such as 2,4-D or 2,4-CP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D or 2,4-DP pesticides at such sites to prevent contamination of ground water 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 ground water contamination.

**CLEANING EQUIPMENT:** Do not use same spray equipment for other purposes unless thoroughly cleaned. When cleaning equipment, do not pour the washwater on the ground; spray or drain over a large area away from wells and other water sources.

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Do not apply ENVERT® 171 Woody Plant Herbicide directly to, or allow spray mist to drift onto cotton, okra, grapes, tomatoes, fruit trees, vegetables, flowers or other desirable crop or ornamental plants which are susceptible to 2,4-D or 2,4-DP herbicides. Very small quantities of the 2,4-D or 2,4-DP can cause severe injury during the growing or dormant periods. At temperatures above 95° F vapors from ENVERT® 171 may injure susceptible plants.

Drift from aerial application may be reduced by: (1) applying as near to the target as possible in order to obtain coverage; (2) by applying 12 or more gallons of spray per acre; (3) by using 20 pounds pressure or less at the nozzle tips; (4) by using nozzles which produce a coarse spray pattern; (5) by spraying only when the wind velocity is less than 5 miles per hour; and (6) by spraying when there is no possibility for a temperature inversion at time of spraying.

Use coarse sprays to minimize drift. Do not apply with hollow cone-type insecticide or other nozzles that produce fine spray droplets. Drift from ground application may be reduced by: (1) keeping spray as near to target as possible in order to obtain complete coverage; (2) by using no more than 20 pounds of pressure at the nozzle tips; and (3) by not spraying when the wind exceeds 5 miles per hour.

Do not apply near cotton, grapes, tomatoes or near desirable 2,4-D or 2,4-DP susceptible crop or ornamental vegetation.

Local conditions may affect the use of herbicides. Consult your State Agriculture Experiment Station, Farm Advisors, or Extension Weed Specialists for advice in selecting treatment from this label to best fit local conditions.

Be sure that use of the product conforms to all applicable laws, rules and regulations. Certain states have restrictions pertaining to application distances from susceptible crops. The applicator should become familiar with these laws, rules or regulations and follow them exactly.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read entire label before using this product.

### STORAGE AND DISPOSAL

#### STORAGE

Do not contaminate water, food or feed by storage or disposal. Store in original container in a dry secured storage area. Keep container tightly closed when not in use.

#### PESTICIDE DISPOSAL

Open dumping is prohibited. Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law and may contaminate ground water. If these wastes cannot be disposed of by use 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.

#### CONTAINER DISPOSAL

Triple rinse or equivalent. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

### MIXING DIRECTIONS

Add the proper amount of ENVERT® 171 Woody Plant Herbicide to the mixing tank. While agitating, add the required amount of water. Always add water to ENVERT® 171, never the reverse. Mechanical paddle agitators that operate independently of the pump should be used. Recirculate through the by-pass valves until the thick emulsion is obtained. To transfer the spray mixture from mixing tanks to aircraft tanks, use a positive displacement pump with 1 1/2 to 2 inch hose fittings on both the suction and discharge end.

### GENERAL INFORMATION

ENVERT® 171 provides an effective woody plant herbicide in a "invert emulsion" form or as a conventional spray.

When mixed according to directions, ENVERT® 171 Woody Plant Herbicide makes an "invert emulsion", a thicker, more viscous spray mixture than standard water, oil or oil-water mixtures used in aerial or ground spraying.

To control mixed brush on utility rights-of-way, roadsides, drainage ditchbanks and similar areas, especially where conifers are a problem, spray in the spring after hardwoods have developed full sized leaves but before the spring growth of conifers has hardened off.

### SPECIFIC USE DIRECTIONS

#### DIRECTIONS for Air Application

APPLY through Rhône-Poulenc's SPRA-DISK® or other suitable equipment, mounted on a helicopter.

Where root suckering species such as sumac, sassafras, locust and black gum predominate, mix 3 gallons of ENVERT® 171 Woody Plant Herbicide with 9 gallons of water for each acre to be sprayed.

Where harder to control species such as red maple, elm or oaks are present, mix 5 to 6 gallons of ENVERT® 171 Woody Plant Herbicide with 15 to 18 gallons of water for each acre to be sprayed.

Where brush is very dense and tall (25' to 30') or where conifers are present, better results will be obtained by increasing the rate and volume to 10 gallons of ENVERT® 171 Woody Plant Herbicide in 30 gallons of water per acre.

Always add water to ENVERT® 171 Woody Plant Herbicide; never the reverse.

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Aerial spraying of ENVERT® 171 Woody Plant Herbicide is a specialized job. Only employ competent, reliable aerial applicators who have qualified technical guidance. Become familiar with state laws governing the application of herbicides. Do not apply ENVERT® 171 Woody Plant Herbicide in areas where possible drift may injure valuable crops or plants (See Precaution Statements).

### Directions for Ground Application with Mechanical Invert Sprayers such as the WANNER Sprayer.

Read sprayer operating manual thoroughly before operating sprayer. Be sure all strainers, screens, control orifices and spray tanks are clean, undamaged and correctly installed.

Conventional sprays rather than invert emulsions may be made when ratios of 11:1 and 15:1 (water to ENVERT® 171 Woody Plant Herbicide + kerosene or fuel oil) are mixed. Invert characteristics are provided when ratios of 7:1 (water to ENVERT® 171 + kerosene or fuel oil) are mixed.

Select the dilution rates, water orifice and chemical orifice from the following tables. Install the selected orifices and proceed with mixing.

Fill the concentrate tank with a mixture of ENVERT® 171 Woody Plant Herbicide and kerosene (or fuel oil) using 1 to 1 1/2 gallons kerosene or fuel oil for each gallon of ENVERT® 171.

Thoroughly pre-mix ENVERT® 171 Woody Plant Herbicide and kerosene or fuel oil before adding to the sprayer tank.

Fill the water tank with clean water, start up engine and pump as directed in the sprayer operating manual.

Set pressure regulator to apply spray mixture at 30 to 40 psi for boom spraying and at 100 psi for handgun application. Apply the spray to thoroughly cover plants to be controlled using total gallons spray per acre indicated in the following table. When treatment is directed toward scattered clumps of weeds or brush, total amount of spray applied per acre should be reduced proportional to the area actually treated.

**MIXING RATIO AND ORIFICE SELECTION GUIDE FOR MECHANICAL INVERT SPRAYERS**

Application	Pump	Chemical Orifice	Water Orifice	Chemical Tank Ratio ENVERT 171®: Kerosene or Fuel Oil	Ratio WATER: ENVERT 171® + Kerosene or Fuel Oil Mix	Total Amount Of Spray To Apply Per Treated Acre
For light to medium density stands of susceptible woody plants and root suckering species such as: sumac, locust, sassafras and black gum.	A10FB (10 Gallons)	4916-80	5/16"	1:1	15:1	96 Gallons
	A20FB (20 Gallons)	4916-125	1/2"	1:1	15:1	
		4916-156	9/16"	1:1	15:1	
For general use for control of susceptible broadleaf weeds and light density stands of woody plants.	A10FB (10 Gallons)	4916-80	5/16"	2:3	15:1	50 to 100 Gallons
	A20FB (20 Gallons)	4916-125	1/2"	2:3	15:1	
For dense stands of brush or where species such as: red maple, elm or oaks are present.	A10FB (10 Gallons)	4916-89	5/16"	2:3	11:1	150 to 180 Gallons
	A20FB (20 Gallons)	4916-125	3/8"	2:3	11:1	
For very dense and tall (25' to 30' brush or where conifers are to be controlled.	A10FB (10 Gallons)	4916-89	5/16"	1:1	11:1	240 Gallons
		4916-120	5/16"	2:3	7:1	200 Gallons
	A20FB (20 Gallons)	4916-125	3/8"	1:1	11:1	240 Gallons

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**CHEMICAL TANK MIXING TABLE FOR MECHANICAL INVERT SPRAYERS**

**AMOUNT TO MIX FOR EACH TANK**

**RATIO**

**ENVERT® 171 : KEROSENE OR FUEL OIL**

**TOTAL CAPACITY  
OF  
CHEMICAL TANK**

**1:1**

**2:3**

40 gallons	20 gallons ENVERT 171® + 20 gallons kerosene or fuel oil	16 gallons ENVERT 171® + 24 gallons kerosene or fuel oil
60 gallons	30 gallons ENVERT 171® + 30 gallons kerosene or fuel oil	24 gallons ENVERT 171® + 36 gallons kerosene or fuel oil
100 gallons	50 gallons ENVERT 171® + 50 gallons kerosene or fuel oil	40 gallons ENVERT 171® + 60 gallons kerosene or fuel oil

**LIMITED WARRANTY AND DISCLAIMER**

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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**NOTICE TO BUYER**

Purchase of this material does not confer any rights under patents governing this product or the use thereof in countries outside of the United States.

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