

WEEDONE 170 WOODY PLANT HERBICIDE

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264-222

WOODY PLANT HERBICIDE

Contains the butoxyethanol ester of 2,4-DP and 2,4-D. For controlling mixed brush on utility rights-of-way, along highways and solid stands of oak or elm.

ACTIVE INGREDIENTS:

- *2,4-Dichlorophenoxypropionic acid, butoxyethanol ester 29.3%
- **2,4-Dichlorophenoxyacetic acid, butoxyethanol ester 29.9%

INERT INGREDIENTS: 40.8%

- *2,4-Dichlorophenoxypropionic acid equivalent 20.6% by weight or 1.85 pounds per gallon.
- **2,4-Dichlorophenoxyacetic acid equivalent 20.6% by weight or 1.85 pounds per gallon. Isomer Specific by AOAC Method No. 6.D01-5.

EPA Reg. No. 264-222 ZB

EPA Est. No. 264-MO-01

KEEP OUT OF REACH OF CHILDREN

CAUTION

PRECAUTIONARY STATEMENTS: See side booklet.

IN CASE OF EMERGENCY, TELEPHONE COLLECT (24 HOURS A DAY) IN U.S.A.
 (304) 744-3487
 FOR GENERAL INFORMATION CALL 800/334-9745

© UNION CARBIDE AGRICULTURAL PRODUCTS COMPANY, INC.
 P. O. Box 12014, T.W. Alexander Drive
 Research Triangle Park, N.C. 27709

MADE IN U.S.A.

APC-755A-102

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PRECAUTIONARY STATEMENTS

CAUTION HAZARD TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed or absorbed through skin. Do not get in eyes, on skin or clothing. Avoid breathing vapors or spray mist. Remove and wash contaminated clothing before reuse. Wash thoroughly before eating or smoking.

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. Never give anything by mouth to an unconscious person. Get medical attention.

ENVIRONMENTAL HAZARDS

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes.

Do not apply when weather conditions favor drift from treated areas.

Do not graze dairy animals on treated area within 6 weeks after application.

Do not graze meat animals on treated areas within 2 weeks of slaughter.

Do not use the same spray equipment for other purposes unless thoroughly cleaned.

Do not contaminate water used for domestic or irrigation purposes. Do not use in or near a greenhouse.

Do not apply WEEDONE 170 Woody Plant Herbicide directly to, or permit 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. Do not apply near susceptible plants since very small quantities of the 2,4-D or 2,4-DP will cause severe injury during the growing or dormant periods. Crops contacted by WEEDONE 170 Woody Plant Herbicide sprays or spray drift may be killed or suffer significant stand loss with extensive quality and yield reduction.

Do not apply when a temperature air inversion exists. Such a condition is characterized by little or no air movement and an increase in air temperature with an increase in height. In humid regions a fog or mist may form. An inversion may be detected by producing a smoke column and checking for a layering effect. If questions exist pertaining to the existence of an inversion consult with local weather services before making an application.

Use coarse sprays to minimize drift. Do not apply with hollow cone-type insecticide or other nozzles that produce fine spray droplets.

Drift from aerial applications ^{or ground} may be reduced by: (1) applying as near to the target as possible in order to obtain coverage; (2) by increasing the volume of spray mix per acre; (3) by decreasing the pounds of pressure at the nozzle tips; (4) by using nozzles which produce a coarse spray pattern; (5) by not applying when wind is blowing toward susceptible crop or valuable plants.

At high air or ground surface temperature, vapors from the product may injure susceptible plants.

STORAGE AND DISPOSAL

STORAGE

Do not contaminate or store near food, feedstuffs, fertilizers, seeds, insecticides or fungicides or other pesticides.

PESTICIDE DISPOSAL

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

Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these waste cannot be disposed 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 incineration, or, if allowed by state and local authorities, by burning. If container is burned, stay out of smoke.

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 this 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. Apply this product only as specified on this label.

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants that this product conforms to the chemical description on the label; 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 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, 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.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL INDIRECT CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

GENERAL INFORMATION

WEEDONE 170 Woody Plant Herbicide is a concentrated 50-50 combination of 2,4-D and 2,4-DP as the low-volatile butoxyethanol ester.

WEEDONE 170 Woody Plant Herbicide is specifically designed for utilities and other industrial users to control woody plants.

WEEDONE 170 Woody Plant Herbicide mixes with oil or kerosene and emulsifies in water.

WEEDONE 170 Woody Plant Herbicide controls many noxious perennial weeds on uncropped land, such as also highways, drainage ditchbanks and fence rows.

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WEEDONE 170 Woody Plant Herbicide is effective for controlling:

ALDER
ASPEN
BIG LEAF MAPLE
BIRCH
BLACKBERRY
BLACK CHERRY
BLACKJACK OAK
BUCKBRUSH
BLACK LOCUST
CEANOTHUS
CHAMISE
COFFEEBERRY
CURRANT
FIR
GOOSEBERRY
HEMLOCK
HONEYSUCKLE
MANZANITA
MULTIFLORA ROSE

OAKS
PINE
POISON IVY
POISON OAK
POPLAR
RED ELDER
RED ELM
RED MAPLE
SALMONBERRY
SAND SHINNERY OAK
SERVICEBERRY
SNOWBERRY
SPRUCE
SYCAMORE
TULIP POPLAR
WILLOW
WINGED ELM
YERBA SANTA
(and many other species)

WEEDONE 170 Woody Plant Herbicide in combination with Trans-Vert is not registered for use in California.

TO PREPARE A SPRAY: Add one-half the required amount of oil or water to the spray tank, then add this product with agitation and finally the balance of the water or oil with continued agitation.

If this material is to be used in straight oil mixtures, do not let water get into it or the finished mixture.

This material forms an emulsion in water - not a solution. This tends to separate on standing. Provide agitation to prevent such separation and ensure a uniform mixture.

DIRECTIONS FOR USE

It is a violation of federal law to use this product in a manner inconsistent with its labeling.

FOLIAGE STEM METHOD

This is the standard method for high volume sprays along fencerows, highways, and rights-of-way. Use it as a "first spray" on thick brush composed of mixed species.

Apply spray to both foliage and stems of all plants from the time foliage is fully developed until plants begin to go dormant. For effective control all leaves, stems and suckers must be thoroughly wet to ground line. Some regrowth may be expected on resistant species, such as ash, maple, oak and persimmon.

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Add 1 to 1 1/2 gallons of WEEDONE 170 Woody Plant Herbicide to 100 gallons of water. Mix thoroughly before spraying. Use 200 to 600 gallons of spray mixture per acre depending on height and density of brush.

SPOT TREATMENT

For spot spraying with backpack sprayers mix 1 cup (8 oz.) Weedone Woody Plant Herbicide with 5 gallons of water. Wet brush stems and foliage thoroughly.

BASAL BARK METHOD

Thoroughly wet the base and root collar of all stems until the spray collects around the root collar at ground line. This spray may be applied in any season. Apply WEEDONE 170 Woody Plant Herbicide with the basal bark method on scattered brush or as a "second spray" on species resistant to a first foliage spray.

Mix 3 to 4 gallons of WEEDONE 170 Woody Plant Herbicide to 100 gallons of oil. Apply with low volume knapsack sprayer or power equipment. Concentration will depend on species present, volume of spray used, and season applied. Use a coarse spray to avoid drift.

MODIFIED BASAL METHOD

Drench the base of plants, then wet the lower 4/5 of remaining stems and leaves to run-off. Treat when brush is in full foliage. This method may be used where susceptible species have been controlled by prior sprays and resistant species such as maple and oak remain. Drenching the base of the plant and wetting all stems to run-off is essential for complete control.

Early season spraying: Add 1 to 1 1/2 gallons of WEEDONE 170 Woody Plant Herbicide to 10 gallons of diesel oil and mix thoroughly. Add this mixture to 89 gallons of water.

During dry weather or the latter part of spray season: Add 1 1/2 gallons of WEEDONE 170 Woody Plant Herbicide to 15 gallons of diesel oil and mix thoroughly. Add this mixture to 83 1/2 gallons of water. Agitate thoroughly before spraying, particularly if material is allowed to stand for more than one hour after mixing.

CUT SURFACE

STUMP: This method can be used at any time of year, but it is more effective when applied as soon as possible after trees are cut. Spray the entire stump, particularly bark and exposed roots. A thorough drenching is essential for complete control.

Use this method after original or capital clearing. It is the first step toward a chemical brush control program on newly cleared highways and rights-of-way. Spray is most effective and economical on stumps 3 to 4 inches and larger.

Mix 3 to 4 gallons of WEEDONE 170 Woody Plant Herbicide to 100 gallons of oil. Apply with low volume knapsack sprayer using a solid cone nozzle of medium orifice.

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CONCENTRATE STUMP TREATMENT: For small (up to 3-inch diameter) stems, cut them as close to the ground as possible and apply undiluted WEEDONE 170 Woody Plant Herbicide directly from the can to the surface of the freshly cut stump.

FRILL: Make a frill by using an axe to cut overlapping notches in a continuous ring around the trunk near its base. Cut through the bark but do not remove chips. This method is recommended for cull trees 5 to 6 inches in diameter and larger. Treat freshly cut frills at any time of the year. Mix 3 to 4 gallons of WEEDONE 170 Woody Plant Herbicide in 100 gallons of oil. Pour in as much of this mixture as the frill will hold without wasting chemical.

POWERED KNAPSACK BASAL SPRAY

Mix 8 to 14 gallons of WEEDONE 170 with fuel oil or kerosene to make 100 gallons of spray solution. Apply with a portable knapsack mistblower to lower brush stems. Apply spray to all sides of stems; good root collar coverage is essential. Run knapsack mistblower at 1/4 to 1/3 throttle for best spray delivery and coverage. For maximum drift control use a basal nozzle attachment. Do not raise spray nozzle above horizontal position.

FENCE ROW APPLICATION

To control mixed brush, perennial and annual broadleaf weeds use one of the application methods such as the foliage stem method described on this label. Some regrowth may be expected on resistant species such as ash, maple, oak and persimmon.

RAILROAD ON-TRACK APPLICATION

Weedone 170 Woody Plant Herbicide in combination with transvert is not registered for use in California.

Use 1 gallon of WEEDONE 170 Woody Plant Herbicide and 1 quart of TRANS-VERT herbicide additive in each 100 gallons of water and apply 100 to 300 gallons per acre to control mixed brush growing along railroad rights-of-way and under railroad communication lines. Apply from spray trains or Hi-Rail equipment only. Avoid contact with skin, eyes or clothing.

LOW VOLUME STEM FOLIAGE SPRAY - AERIAL OR GROUND

Weedone 170 Woody Plant Herbicide in combination with transvert is not registered for use in California

Mixed Brush - Utility Rights-of-way: Use 3 gallons of WEEDONE 170 and 1/2 gallon TRANS-VERT mixed in water to make 12 to 15 gallons total volume per acre to control mixed brush growing on utility rights-of-way. Where red maple, conifers, ash, hickory or oak are the major problems, use 3 gallons of WEEDONE 170 and 2/3 gallon TRANS-VERT in 15 gallons total volume per acre.

Apply the spray only through equipment designed to provide effective drift control. A helicopter mounted MICROFOIL® applicator or other equipment that provides equivalent drift control is recommended for aerial sprays. A Directa-Spra or mini-wobbler is recommended for ground sprays..

Solid Stands of Oak or Elm: Apply with fixed-wing or helicopter aircraft. Apply in the spring after hardwoods have just developed full sized leaves. The spray season normally runs from early May to mid-June in Texas and California, and from early May to early July in Oklahoma and northward. Spray when wind velocities are less than 5 miles per hour.

BRUSH	WEEDONE 170	OIL	ADD WATER TO MAKE TOTAL
post, blackjack oak and winged elm	2/3 gallon	1 gallon	5 gallons
sand shinnery oak	1/2-1 quart	1 gallon	3 gallons

If necessary, repeat spray the second year with 1 quart WEEDONE 170 per acre. For maximum control, use higher rate and repeat spray the second year using 1 quart WEEDONE 170 per acre.

For aerial application to solid stands of brush in California use 2-4 quarts in 3-12 gallons volume per acre. Two to 4 quarts of fuel oil may be included in this mixture.

FORESTRY SITE PREPARATION - To reduce competition from mixed trees and brush before planting forest trees. Apply one gallon WEEDONE 170 for easy to control species such as aspen, hazel, alder, sassafrass, sumac, black locust willow, and other similar species. Apply 2 gallons WEEDONE 170 to control more difficult species such as oaks, sweet gum, black gum, hickory, and tulip-popular.

To control annual grasses and provide additional foliage brownout for prescribed foliage burning, add one quart of TRANS-VERT per acre to the above spray mixtures.

Mix with water to make 10 gallons total solution when applying as an aerial spray or 20 gallons total solution when applying as a ground spray. Do not apply to established plantations as this spray mix will injure planted conifers.

PINE RELEASE - To control hardwood brush and release Northern conifers such as red pine Jack pine, white pine and white spruce.

Apply 2 - 4 qts. WEEDONE 170 as a broadcast spray in 10 gallons of water per acre. Make applications in midsummer after pine height growth is complete and the conifer buds are set. WEEDONE 170 will control aspen, birch, cherry, alder, hazel, oaks and similar species. WEEDONE 170 will not, at these rates, provide satisfactory control of red maple, sugar maple or ash.

AERIAL OR GROUND APPLICATION TO CONTROL MIXED BRUSH INCLUDING CONIFERS AND ROOT SUCKERING SPECIES ON UTILITY, RAILROAD AND HIGHWAY RIGHTS-OF-WAY FENCEROWS, AND OTHER NON CROP AREAS.

WEEDONE 170 And Tordon* Mixtures

Where red maple, conifers and root-suckering species such as sassafras, sumac, black locust or persimmon are the major problem, use 1 to 2 1/2 gallons WEEDONE 170 Woody Plant Herbicide in combination with 1 to 2 1/2 gallons Tordon* 101 herbicide mixture or in combination with 3 to 6 pi. ts of Tordon* K herbicide. Dilute with water and apply in a total spray volume of 15 to 50 gallons per acre. Use lower rates to control brush on sandy soils or coarse soils with susceptible species such as seedling aspen, cherry, willow and sumac. Use higher rates to control brush on clay soils or fine soils or rocky terrain with more resistant species such as maple, oak, pine and red cedar. When making the spray mixture, add Weedone 170 to the required amount of water while agitating the mixture in the spray tank. Then add the Tordon 101 or Tordon K while continuing agitation. (Do not mix concentrates of WEEDONE 170 with concentrates of Tordon 101 or Tordon K.) Aerial applications of the tank mixture should be made only with a helicopter mounted MICROFOIL® applicator or an equipment system providing equivalent drift control. Do not use these tank mixtures on drainage ditchbanks or for site preparation in forest plantations. Observe all restrictions, precautions and limitations on the labeling of each product used in tank mixtures.

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WEEDONE 170 and Banvel Herbicide* Mixtures

HIGH VOLUME STEM FOLIAGE SPRAY

Mix 1 to 1 1/2 gallons WEEDONE 170 with 1 to 2 qts. Banvel 4WS per 100 gallons total spray mix. Use the low rate for easy to kill brush such as alder, aspen, cherry, sycamore, tulip-popular, and willows. Use the high rate to control species such as oak, ash, elm, pines, spruce, and fir.

LOW VOLUME STEM FOLIAGE SPRAY - Aerial or Ground

Mix 2 - 3 gallons of WEEDONE 170 with 1 - 1 1/2 gallons of Banvel herbicide in 15 - 50 gallons of water per acre to controlled mixed brush including conifers and ash. Observe all restrictions, precautions and limitations on the labelling of each product used in tank mixtures

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