

Reg # 264-251

FM-23

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

FEB 28 1994

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OFFICE OF
PREVENTION, PESTICIDES AND
TOXIC SUBSTANCES

Subject: Label Amendment Submission of 07/30/93 in Response to PR Notice 93-7
EPA Reg. No. 264-231
WEEDONE 2,4-DP WOODY PLANT HERBICIDE

Dear Registrant:

The labeling cited above and submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is accepted subject to the comments reflected on the enclosed sheet. A copy of your proposed labeling stamped "ACCEPTED WITH COMMENTS" is enclosed.

WHAT THIS ACCEPTANCE MEANS:

Based on your certification, the Agency has accepted the labeling changes that are necessary to comply with the Worker Protection Standard (WPS) labeling requirements of 40 CFR part 156, subpart K, described in PR Notices 93-7 and 93-11. Any other labeling changes submitted in connection with this amendment application but not directly related to compliance with the WPS have not been reviewed or accepted by the Agency. If you wish to make such changes, you must submit a separate amendment application proposing them. If your product is currently suspended, the acceptance of this labeling amendment does not affect the suspension in any way.

WHAT YOU NEED TO DO NEXT:

By the next label printing make all the specified changes to your labeling. Send to EPA one (1) copy of the final printed labeling:

- BEFORE selling or distributing any product bearing the final printed labeling
- AND
- WITHIN one year from date of this acceptance.



Recycled/Recyclable
Printed with Soy/Canola Ink on paper that
contains at least 50% recycled fiber

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WEEDONE® 2,4-DP WOODY PLANT

HERBICIDE

Controls mixed brush on Highways, Railroads, and Utility Rights-of-way. Also controls solid stands of post, blackjack, sand shinnery oak and sandsage.

ACTIVE INGREDIENT: *2-(2,4-Dichlorophenoxy)propionic acid, butoxyethyl ester*59.1%
INERT INGREDIENTS40.9%

*2-(2,4-Dichlorophenoxy)propionic acid equivalent 41.5% by weight or 3.7 lbs./gal.

E.P.A. Reg. No. 264-231 ZA

E.P.A. 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

IF SWALLOWED: If patient is conscious and alert, give 2-3 glasses of water to drink. Do not induce vomiting. Get medical attention.

IF ON SKIN: Wash with plenty of soap and water while removing contaminated clothing and shoes. ~~Remove and wash contaminated clothing before reuse.~~ *delete*

IF IN EYES: Hold eyelids open and flush with a steady, gentle stream of water for at least 15 minutes. Get medical attention, preferably an Ophthalmologist.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration. Administer oxygen if necessary. Get medical attention.

NOTE TO PHYSICIAN

There is no specific antidote. Treatment of exposure should be directed at the control of the symptoms and clinical condition. Overexposure to materials other than this product may have occurred.

This product contains petroleum distillates. If large amounts (greater than 1 ml/kg body weight) of the product have been ingested, the stomach should be evacuated by gastric intubation with the aid of a cuffed endotracheal tube to prevent aspiration of petroleum distillates. After removal of stomach contents, wash stomach by instilling 30-50 grams of charcoal in 3-4 ounces of water through the stomach tube and again remove stomach contents. Avoid oily laxatives.

PRECAUTIONARY STATEMENTS

CAUTION

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

Harmful if swallowed, inhaled or absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapors or spray mist.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear: long-sleeved shirt and long pants, chemical-resistant gloves such as laminate barrier, or butyl rubber, or nitrile rubber or viton and shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d) (4-6)], the handler PPE (personal protective equipment) may be reduced or modified as specified in the WPS.

USER SAFETY RECOMMENDATIONS

Users should: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. ~~Wash thoroughly and put on clean clothing.~~ *Need all 3*

In EPA Letter Dated

FEB 28 1994

for 2,4-D

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 264-231

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ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic invertebrates. Drift or runoff may adversely affect 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 runoff is likely to occur.

Do not apply WEEDONE® 2,4-DP Woody Plant Herbicide near, 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-DP herbicide. Very small quantities of WEEDONE® 2,4-DP Woody Plant Herbicide will cause severe injury during the growing or dormant periods. Crops contacted by WEEDONE® 2,4-DP 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 weather conditions favor drift from target areas. Do not contaminate irrigation ditches or water used for domestic or irrigation purposes especially in areas where grapes, cotton, tomatoes or other susceptible plants are grown. Do not use in a greenhouse.

MIXING AND LOADING: Most cases of ground water contamination involving phenoxy herbicides such as 2,4-DP have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 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 OF EQUIPMENT: Do not use the 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.

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.

Do not apply when any wind is blowing toward susceptible crops or valuable plants. Under very high temperatures, vapors from this product may injure susceptible plants in the immediate vicinity. Drift from aerial application may be reduced by: (1) applying as near to the target as possible in order to obtain coverage; (2) by using 20 pounds of pressure or less at the nozzle tips; (3) by using nozzles which produce a coarse spray pattern; (4) by spraying only when the wind velocity is less than 5 miles per hour; (5) by applying sprays at low pressure and high volume; (6) by applying 5 or more gallons of spray per acre. Drift from ground application may be reduced by: (1) keeping the spray as near to the target as possible in order to obtain complete coverage; (2) by applying 25 gallons or more of spray per acre; (3) by using no more than 20 pounds of pressure at the nozzle tips; (4) by using nozzles which produce a coarse spray pattern; and (5) by applying sprays at low pressure and high volume.

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.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specified instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow entry into treated areas during the restricted entry interval (REI) of 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated such as plants, soil or water is: coveralls, chemical-resistant gloves such as laminate barrier, or butyl rubber, or nitrile rubber or viton and shoes plus socks.

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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

Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL

Do not reuse container. Do not burn. 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 INSTRUCTIONS

Add this product to the proper amount of oil, if any, and mix thoroughly. Then pour this mixture into the required amount of water while agitating continuously. This material forms an emulsion in water - not a solution. Provide agitation to prevent separation and insure a uniform spray mixture.

GENERAL INFORMATION

WEEDONE® 2,4-DP Woody Plant Herbicide will control mixed brush along utility rights-of-way, highways, railroads, drainage ditchbanks and firebreaks; including post oak, blackjack oak, white oak, sand shinnery oak, red oak, pine, fir, spruce, black cherry, alder, willow, sandsage, elm and similar species, as well as solid stands of post oak, blackjack oak, sand shinnery oak and sandsage.

Local conditions may affect the use of herbicides. Consult your State Agriculture Experiment Station, Farm Advisors, or Extension Weed Specialist 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 the application distances from susceptible crops. The applicator should become familiar with these laws, rules or regulations and follow them exactly.

Aerial spraying is a specialized job. Do not use aerial sprays in areas where possible spray drift may injure valuable crops or plants.

FOLIAGE STEM METHOD

This is the standard method for high volume sprays along fencerows, highways and utility 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.

To control mixed brush, add 1 gallon WEEDONE® 2,4-DP Woody Plant Herbicide to 99 gallons of water. Mix thoroughly before spraying. Apply 100 to 300 gallons of spray mixture per acre. Up to 5 gallons of oil per 100 gallons may be added to these spray mixtures.

PINE RELEASE

GROUND SPRAY

To control hickory, sweetgum, oaks, wax myrtle, chinquapin, boxelder, cherry, sumac, sassafras and similar species in pine plantations, apply a mixture of 1 gallon WEEDONE® 2,4-DP + 24 gallons of water to the foliage of competing hardwood brush species.

Apply with a backpack or similar sprayer with a hand-held wand and single nozzle. For best results, apply when hardwoods are in full leaf and actively growing and when soil moisture is high. Brush foliage should be thoroughly covered but short of runoff. Avoid spraying the planted pines, as some needle damage may result.

Application to a 1 to 3 year old pine plantation with 2-4' brush of average density should require 5 to 10 gallons of spray mixture per acre.

Brush species such as blackgum, water and willow oak and or hophornbeam require thorough coverage for good results. Brush species such as red maple, ash or dogwood are not usually controlled by this treatment.

RAILROAD ON-TRACK APPLICATION

For use with the DIRECTA-SPRA® spray applicator mounted on Hi-Rail equipment, use 3 gallons WEEDONE® 2,4-DP Woody Plant Herbicide in 25 to 50 gallons of water per acre. For added drift control, add 2 to 2.5 oz. of a spray additive in each 25 to 50 gallons of water. If higher total spray volumes are needed, do not apply more than 3 gallons WEEDONE® 2,4-DP Woody Plant Herbicide per acre.

UTILITY RIGHTS-OF-WAY- AERIAL APPLICATION

For aerial application to mixed brush along utility rights-of-way, apply 2 to 3 gallons of WEEDONE® 2,4-DP in 12 to 30 gallons of water per acre. One gallon of fuel oil may be added.

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.

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SOLID STANDS OF OAK OR SANDSAGE - AERIAL APPLICATION

Apply chemicals with fixed wing or helicopter aircraft using 5 gallons of spray mixture per acre. Spray when plants have just developed full sized leaves, when soil moisture is sufficient for good growing conditions, when relative humidity is high, and wind velocities are less than 5 miles per hour. Spray season normally runs from early May to mid-June in Texas, California and New Mexico and from mid-May to early July in Oklahoma and northward.

AMOUNTS PER ACRE

TYPES OF BRUSH	WEEDONE® 2,4-DP (Qts.)	OIL (Gallons)	WATER (Gallons)	DIRECTIONS
post & blackjack oak	2	1/2	4	Retreat the second year with 1 quart per acre.
sand shinnery oak	1/2	1/2	4 3/8	Retreat the second year with 1/2 quart per acre.
sandsage	1/2	1/2	4 3/8	

AERIAL OR GROUND APPLICATION TO CONTROL MIXED BRUSH INCLUDING CONIFERS AND ROOT SUCKERING SPECIES ON UTILITY, RAILROAD AND HIGHWAY RIGHTS-OF-WAY AND FENCEROWS: Not for use in California.

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® 2,4-DP in combination with 3 to 6 pints 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® 2,4-DP to the the required amount of water while agitation the mixture in the spray tank. Then add the TORDON K while continuing agitation. Do not mix concentrates of WEEDONE® 2,4-DP with concentrates of 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. Ground applications to control brush on railroad or utility rights-of-way should be made only with the DIRECTA-SPRA™ spray applicator or an equipment system providing equivalent drift control. Do not use these tank mixtures on drainage ditchbanks or firebreaks.

Note: Observe all restrictions, precautions, and limitations on the labeling of each product used in tank mixtures.

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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 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.

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.

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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.

TORDON is a trademark of DowElanco.

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WEEDONE 2,4-DP Woody Plant Herbicide (PENDING) submitted ___ / ___ / ___