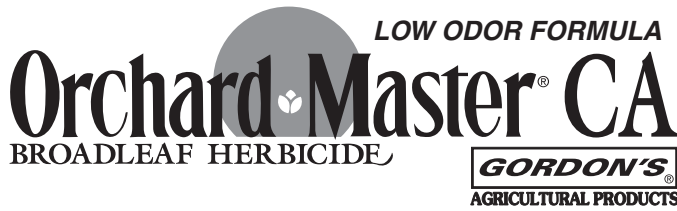


CLICK HERE TO JUMP TO USE DIRECTIONS



**ACTIVE INGREDIENT:**

Dimethylamine salt of 2,4-dichlorophenoxyacetic acid . . . . . 33.2%  
Diethanolamine salt of 2,4-dichlorophenoxyacetic acid . . . . . 16.3%

**INERT INGREDIENTS:** . . . . . 50.5%  
TOTAL 100.0%

**THIS PRODUCT CONTAINS:**

3.8 lbs. 2,4-dichlorophenoxyacetic acid equivalent per gallon or 38.6%  
Isomer Specific By AOAC Methods.

**KEEP OUT OF REACH OF CHILDREN  
DANGER - PELIGRO**

Si Usted no entiende la etiqueta, busque a alguien para que se la explique a Usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**KEEP FROM FREEZING**



**READ THE ENTIRE LABEL FIRST.  
OBSERVE ALL PRECAUTIONS AND  
FOLLOW DIRECTIONS CAREFULLY.**

**PRECAUTIONARY STATEMENTS**

**Hazards To Humans And Domestic Animals**

**DANGER:** Corrosive. Causes irreversible eye damage. Harmful if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist or vapor.

**Personal Protective Equipment (PPE)**

Some materials that are chemical-resistant to this product are natural rubber, natural rubber blends and laminates. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators, flaggers, and other handlers must wear:

- protective eyewear,
- long-sleeved shirt and long pants,
- shoes and socks,
- chemical-resistant gloves when applying with any handheld nozzle or equipment, mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.
- chemical-resistant apron when mixing or loading, cleaning up spills or equipment, or otherwise exposed to the concentrate.

See engineering controls for additional requirements.

**User Safety Requirements**

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

**Engineering Control Statements**

Engineering Controls for aerial applicaiton: When handlers use 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 requirements may be reduced or modified as specified in the WPS. Pilots must use an enclosed cockpit that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

**User Safety Recommendations**

- Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Users should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. If pesticide gets on skin, wash immediately with soap and water.
- Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**First Aid**

<b>If in eyes:</b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If on skin or clothing:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If swallowed:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• Do not induce vomiting unless told to by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<b>If inhaled:</b>	<ul style="list-style-type: none"> <li>• Move person to fresh air.</li> <li>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact 1-877-800-5556 for emergency medical treatment advice.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage.

**Environmental Hazards**

This pesticide may be toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. Do not contaminate water when disposing of equipment wash waters or rinsate.

This chemical has properties and characteristics associated with chemicals detected in groundwater. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in groundwater contamination. Application around a cistern or well may result in contamination of drinking water or groundwater.

**DIRECTIONS FOR USE**

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

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 specific instructions and exceptions pertaining to the statements on this label about personal protective equipment and restricted-entry interval. The requirements in this box only apply to

*(cont. on next page)*

### Agricultural Use Requirements (cont.)

uses of this product that are covered by the Worker Protection Standard. Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 48 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 made of any water-proof material,
- shoes plus socks and protective eyewear

**NOTICE TO USER:** This product must be applied in compliance with the pesticide regulations of the state in which application is made. Check with local authorities regarding regulations that may affect the application of this product. **Orchard Master® CA Broadleaf Herbicide is sold and registered exclusively within the state of California.**

## MIDDLES MANAGEMENT IN ORCHARDS FOR POME FRUITS, STONE FRUITS, TREE NUTS, AND PISTACHIO ORCHARDS

Orchard Master® CA consists of the dimethylamine and diethanolamine salts of 2,4-D especially formulated for low volume applications with ground equipment. Orchard Master® CA is intended for directed applications to emerged broadleaf weeds in established plantings of pome fruits, stone fruits and tree nuts. This product may be applied as a broadcast treatment to the vegetation in the row middles of established trees, and this product may be applied as a band application to control the weeds in the tree rows. Transplanted stock and established trees must be at least one (1) year old and in vigorous condition.

### SPRAY PREPARATION

Check the spray tank for cleanness before preparing the spray solution. Orchard Master® CA should be mixed with water. Surfactants or wetting agents are not recommended for broadcast treatments. Anti-drift agents approved by the U.S. EPA are compatible with this product.

To avoid subsequent injury to horticultural crops or other sensitive crops, immediately clean spray equipment and dispose the rinsates according to label instructions.

### METHODS OF APPLICATION AND APPLICATION SCHEDULES

Use a fixed boom equipped with flat fan nozzles or low/reduced pressure nozzles that deliver coarse spray droplets at low pressures (20 to 25 psi). Spot treatments are appropriate for individual weeds, for sparse infestations, for small areas, or as follow-up treatments. Apply precisely and uniformly to obtain satisfactory weed control and to minimize the injury to the trees. Avoid contact with fruit, foliage, stems, lower limbs, tree trunks, and exposed roots. Do not apply when weather conditions favor drift from the treated area. Early spring and late fall applications after harvest are preferred. Sequential applications may be needed to control perennial broadleaf weeds.

Preferred application schedules		
Weed Type	Season	Growth Stage of the Weeds
Annual broadleaf	Spring or fall	Active growth.
Biennials	Spring or fall	During the seedling to rosette stages. Sequential treatments.
Perennials	Spring or fall	During the early bud to bloom stage and during fall regrowth. Sequential treatments.

### TANK MIXTURES

Orchard Master® CA may be applied in tank mixtures for improved broadleaf control. These tank mixtures must be used according to the most restrictive label limitations and precautions. No label dosage rate should be exceeded. Follow the labeling of each companion product for precautionary statements, directions for use, dosage rates, and application schedules. Tank mixture recommendations are for use only in states where the companion product and use sites are registered. In addition, certain states or geographic regions may have established dosage rate limitations. Consult your State Pesticide Control Agency for additional information.

### This product may be tank mixed with these herbicides.

Common Name	Trade Name
glyphosate	Roundup® Herbicide and Roundup® Ultra Herbicide

### IRRIGATION

In California, do not apply to sandy or shallow soils and do not apply to dry soil without vegetation. Apply this product to moist soils, after irrigation, or after rainfall. Do not apply immediately before irrigation. Do not irrigate immediately following application. Best results are obtained when this product is applied two (2) days following irrigation. Do not apply this product through any type of irrigation system.

### Spray Drift Management

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g., ground, aerial, airblast, chemigation) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

**Droplet Size.** When applying sprays that contain 2,4-D as the sole active ingredient, or when applying sprays that contain 2,4-D mixed with active ingredients that require a Coarse or coarser spray, apply only as a Coarse or coarser spray (ASAE standard 572) or a volume mean diameter of 385 microns or greater for spinning atomizer nozzles. When applying sprays that contain 2,4-D mixed with other active ingredients that require a Medium or more fine spray, apply only as a Medium or coarser spray (ASAE standard 572) or a volume mean diameter of 300 microns or greater for spinning atomizer nozzles.

**Wind Speed.** Do not apply at wind speeds greater than 15 mph. Only apply this product if the wind direction favors on-target deposition and there are not sensitive areas (including, but not limited to, residential areas, bodies of water, known habitat for nontarget species, nontarget crops) within 250 feet downwind. If applying a Medium spray, leave one swath unsprayed at the downwind edge of the treated field.

**Temperature Inversions.** If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height. Do not make applications into areas of temperature inversions or stable atmospheric conditions.

**Susceptible Plants.** Do not apply under circumstances where spray drift may occur to food, forage, or other plantings that might be damaged or crops thereof rendered unfit for sale, use or consumption. Susceptible crops include, but are not limited to, cotton, okra, flowers, grapes (in growing stage), fruit trees (foliage), soybeans (vegetative stage), ornamentals, sunflowers, tomatoes, beans, and other vegetables, or tobacco. Small amounts of spray drift that might not be visible may injure susceptible broadleaf plants.

**Other State and Local Requirements.** Applicators must follow all state and local pesticide drift requirements regarding application of 2,4-D herbicides. Where states have more stringent regulations, they must be observed.

**Equipment.** All aerial and ground application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

**Additional requirements for ground boom application.** Do not apply with a nozzle height greater than 4 feet above the crop canopy.

**Additional requirements for aerial applications.** The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter. Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety. This requirement does not apply to forestry or rights-of-way applications. When applications are made with a crosswind, the swath will be displaced downwind. The applicator must compensate for this by adjusting the path of the aircraft upwind.

## DOSAGE RATES FOR BROADLEAF WEED CONTROL, POME FRUITS, STONE FRUITS, TREE NUTS, AND PISTACHIO ORCHARDS

Dosage rate recommendations are for broadcast applications. For banded, row, or strip treatments, the amount of product should be adjusted according to this formula (see next page):

Dosage Rates per Treated Acre	X	$\frac{\text{Spray Band Width}}{\text{Tree Row Width}}$	X	Broadcast Rate per Acre
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Spray volumes of 2-10 gallons per acre are recommended. Spray volumes of 10 to 25 gallons per acre may be needed for adequate coverage of weeds.

## ORCHARDS

**POME FRUITS (APPLE AND PEAR):** Orchard Master® CA is effective at 2.0 to 3.0 pints of product per acre per application (1.0 to 1.4 pounds of acid equivalent/acre) as a broadcast treatment to the orchard floor. A maximum of two (2) broadcast applications with a 75 day treatment interval may be made per crop. Avoid contact with fruit foliage, stems, lower limbs, tree trunks, and exposed roots. Do not harvest within 14 days of application. Do not cut orchard floor forage for hay within 7 days of application.

**STONE FRUITS (SWEET OR TART CHERRY, PEACH, OR PLUM/FRESH PRUNES):** Orchard Master® CA is effective at 2.0 to 3.0 pints of product per acre per application (1.0 to 1.4 pounds of acid

equivalent/acre) as a broadcast treatment to the orchard floor. A maximum of two applications with a 75 day treatment interval may be made per crop. Do not harvest these stone fruits within forty (40) days of application. Avoid contact with fruit, foliage, stems, lower limbs, tree trunks, and exposed roots. Do not cut orchard floor forage for hay within 7 days of application.

**TREE NUTS (ALMOND, FILBERT OR HAZELNUT, PECAN, BLACK AND ENGLISH WALNUT):** Orchard Master® CA is effective at 2.0 to 3.0 pints of product per acre per application (1.0 to 1.4 pounds of acid equivalent/acre) as a broadcast treatment to the orchard floor. A maximum of two applications with a 30 day treatment interval may be made per crop. Do not harvest these tree nuts within sixty (60) days of application. Do not cut orchard floor forage for harvest within 7 days of application.

**PISTACHIO:** Orchard Master® CA is effective at 2.0 to 3.0 pints of product per acre per application (1.0 to 1.4 pounds of acid equivalent/acre) as a broadcast treatment to the orchard floor. A maximum of two applications with a 30 day treatment interval may be made per crop. Do not harvest these tree nuts within sixty (60) days of application. Do not cut orchard floor forage for hay within 7 days of application.

Crop	Application Rate	Maximum Number of Broadcast Applications per Crop Year	Recommended Spray Volume	Preharvest Interval <sup>1</sup>
<b>Pome Fruits:</b> Apple & Pear	2.0 to 3.0 pints/A (1.0 to 1.4 lb. 2,4-D ae/A)	2	2 to 10 gal./A	14
<b>Stone Fruits:</b> Sweet or Tart Cherry, Peach, or Plum	2.0 to 3.0 pints/A (1.0 to 1.4 lb. 2,4-D ae/A)	2	2 to 10 gal./A	40
<b>Tree Nuts:</b> Almond, Filbert or Hazelnut, Pecan, English & Black Walnut	2.0 to 3.0 pints/A (1.0 to 1.4 lb. 2,4-D ae/A)	2	2 to 10 gal./A	60
<b>Pistachio:</b>	2.0 to 3.0 pints/A (1.0 to 1.4 lb. 2,4-D ae/A)	2	2 to 10 gal./A	60

<sup>1</sup>Preharvest interval is defined as the minimum number of days between the last application of this product and harvest.

## GREEN SUCKER CONTROL IN FILBERTS

This treatment is intended to suppress suckers that decrease filbert production in bearing trees. Mix 2.0 pints of product with 100 gallons of water (0.95 lbs. of acid equivalent per 100 gallons of water) to prepare a 0.25% vol/vol spray solution. A nonionic surfactant is recommended. Refer to the labeling of the surfactant for precautions and suggested concentrations. Spray guns, high volume wands, or similar types of equipment may be used. Spray volumes will depend upon the height, density, and equipment type. Apply the diluted spray to all leaves and stems of the suckers that are 6 to 9 inches in height during April through August. The maximum number of applications is four (4) per season. Allow a minimum of 30 days between applications. Do not harvest filberts within forty-five (45) days of application for this method of application.

**Amount of product needed to prepare 100 to 400 gallons of spray solution with water as spot treatments for orchard floors with high volume foliar applications.**

Spray Solution	0.10% vol/vol	0.13% vol/vol	0.20% vol/vol	0.40% vol/vol
100 gal./A	12 fl. oz. (0.7 pints)	16 fl. oz. (1.0 pints)	22 fl. oz. (1.4 pints)	3.0 pints
200 gal./A	1.4 pints	2.0 pints	3.0 pints	
300 gal./A	2.0 pints	3.0 pints		
400 gal./A	3.0 pints			

## SPOT TREATMENTS

For orchard floors, spot treatments are appropriate for sparse infestations of broadleaf weeds, for small areas, or for follow-up treatments. Spray guns, high volume wands, or similar types of equipment may be used. Select nozzles that deliver coarse spray patterns to reduce the potential of nontarget drift. Spray volumes will depend upon the height, density, weeds species, and equipment type. Mix 3.0 pints of product per acre with adequate water (100 to 400 gallons). Or, prepare a spray concentration of 0.1% to 0.4% vol/vol spray solution. Refer to the table below for additional spray preparation. Apply diluted sprays to allow complete wetting of the foliage of the broadleaf weeds. Do not use spot treatments with spray guns around or near the base of the tree trunks for these stone fruits and nuts.

## PARTIAL LISTING OF BROADLEAF WEEDS CONTROLLED

Orchard Master® CA controls many broadleaf weeds including the following: **Annual and Biennial Weeds:** Lambsquarters, Prickly Lettuce, Tall Morningglory, Ragweed, Shepherdspurse, Annual Sowthistle, Tansy Ragwort, Pepperweed, Redroot Pigweed, and Yellow Starthistle. **Perennial Weeds:** Bindweed, Blue Lettuce, Canada thistle, Dandelion, Docks, St. Johnswort, Whitetop (Hoary Cross).

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in original container in a locked storage area inaccessible to children or pets. Keep from freezing.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. 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 HANDLING:** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available, or puncture and dispose of in a sanitary landfill, or by incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

Triple rinse or pressure rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

OR

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

## LIMITED WARRANTY AND DISCLAIMER

**IMPORTANT:** Read this LIMITED WARRANTY AND DISCLAIMER before buying or using this product. By opening and using this product, buyer and all users agree to accept the terms of this LIMITED WARRANTY AND DISCLAIMER in their entirety and without exception. If the terms are not acceptable, return this product unopened immediately to the point of purchase, and the purchase price will be refunded in full.

It is impossible to eliminate all risks inherently associated with use of this product. Damage to the treated article, ineffectiveness, or other unintended consequences can result from use of the product under abnormal conditions such as weather, presence of other materials, or the manner or use of application, etc. Such factors and conditions are beyond the control of the manufacturer, and **BY PURCHASING AND USING THIS PRODUCT THE BUYER AND ALL USERS OF THIS PRODUCT AGREE TO ACCEPT ALL SUCH RISKS.** Buyer and all users further agree to assume all risks of loss or damage from the use of the product in any manner that is not explicitly set forth in or that is inconsistent with label instructions, warnings and cautions.

The manufacturer warrants only that this product conforms to the chemical description given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use, subject to the inherent risks described below. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE HEREBY EXPRESSLY DISCLAIMED.**

**THE EXCLUSIVE REMEDY OF BUYER AND ALL USERS OF THIS PRODUCT, AND THE EXCLUSIVE LIABILITY OF THE MANUFACTURER, FOR ANY AND ALL LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OF 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 OR THE REPAYMENT OF THE PURCHASE PRICE FOR THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO CASE SHALL THE MANUFACTURER BE LIABLE FOR INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THE PRODUCT.** The Manufacturer must be promptly notified in writing of any claims, whether based in contract, tort, negligence, strict liability, or otherwise, to be eligible to receive either remedy stated above.

The terms of this LIMITED WARRANTY AND DISCLAIMER cannot be varied by any written or verbal statements or agreements at the point of sale or elsewhere. No employee or agent of the manufacturer or seller is authorized to vary or exceed the terms of this LIMITED WARRANTY AND DISCLAIMER in any manner.

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US Patent No. 4,971,630

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