

CLICK HERE TO JUMP TO USE DIRECTIONS

Orchard Master® CA

LOW ODOR FORMULA
BROADLEAF HERBICIDE
GORDON'S AGRICULTURAL PRODUCTS

ACTIVE INGREDIENTS:

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.

U.S. Patent No. 4,971,630.

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.)

See below for additional Precautionary Statements and First Aid



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

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals:

DANGER: Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Harmful if swallowed, absorbed through skin or inhaled. Avoid breathing vapor or spray mist.

Personal Protective Equipment (PPE):

Applicators and other handlers must wear long-sleeved shirt and long pants, waterproof gloves, shoes plus socks and protective eyewear.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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. After each day of use, clothing or PPE must not be reused until it has been cleaned.

Engineering Control Statements:

Containers over 1 gallon and less than 5 gallons in capacity: Mixers and loaders who do not use a mechanical system (probe and pump) to transfer the contents of this container must wear coveralls or a chemical-resistant apron in addition to the other required PPE.

Containers of 5 gallon or more in capacity: Do not open pour from this container. A mechanical system (probe and pump or spigot) must be used for transferring the contents of this container. If the contents of a non-refillable pesticide container are emptied, the probe must be rinsed before removal. If the mechanical system is used in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4)], the handler PPE requirements may be reduced or modified as specified in the WPS.

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.

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. Then wash thoroughly and put on clean clothing.
- 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

If in eyes:	<ul style="list-style-type: none"> • 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. • Call a poison control center or doctor for treatment advice.
If on skin or clothing:	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed:	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
Have the product container or label with you when calling a poison control center or doctor or going for treatment.	

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

ENVIRONMENTAL HAZARDS: To prevent injury to susceptible crops and other desirable plants including but not limited to cotton, tomatoes, garden crops, and ornamentals, avoid contact with the spray solution, spray droplets, and spray mist (fine droplets). Applications are recommended only when there is no potential hazard from spray drift during dormant and active growth periods. Use coarse spray droplets, follow the recommendations of the equipment manufacturers, and apply when the wind velocity is less than 10 mph. Always check the spray tank and equipment for cleanliness before preparing the spray solution. To avoid subsequent injury to crops other than the use site, immediately clean the spray equipment and dispose the rinsates according to label instructions. Avoid contamination of water supplies that may be used to irrigate or water susceptible crops, or to be used for domestic purposes.

This product is toxic to aquatic invertebrates. Drift or runoff may adversely affect aquatic invertebrates and nontarget plants. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater.

Most cases of groundwater contamination involving phenoxy herbicides such as 2,4-D have been associated with mixing/loading and disposal sites. Caution should be exercised when handling 2,4-D pesticides at such sites to prevent contamination of groundwater supplies. Use of closed systems for mixing or transferring this pesticide will reduce the probability of spills. Placement of the mixing/loading equipment on a impervious pad to contain spills will help prevent groundwater contamination.

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 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.

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, wear: coveralls, waterproof gloves, shoes plus socks, and protective eyewear.

STORAGE & DISPOSAL

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

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 and may contaminate groundwater. 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: *FOR PLASTIC CONTAINERS:* 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 burned, stay out of smoke.

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 FOR POME FRUITS, STONE FRUITS, TREE NUTS, AND PISTACHIO ORCHARDS

Orchard Master® CA Broadleaf Herbicide 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 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 USEPA 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 (20-25 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 for broadleaf weeds are presented as follows:

Weed Type	Season	Growth Stage of the Weeds
Annuals	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.

DOSAGE RATES FOR BROADLEAF WEED CONTROL FOR 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:

$$\text{Dosage Rate per Treated Acre} = \frac{\text{Spray Band Width}}{\text{Tree Row Width}} \times \text{Broadcast Rate per Acre}$$

Spray volumes of 1-10 gallons per acre are recommended. Spray volumes of 10-25 gallons per acre may be needed for adequate coverage of weeds.

POME FRUITS (APPLE AND PEAR):

Orchard Master® CA is effective at 2.0-3.0 pints of product per acre per application (1.0-1.4 pounds of acid equivalent/acre) as a broadcast treatment to the orchard floor. A maximum of two (2) broadcast applications with a seventy-five (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 fourteen (14) days of application.

STONE FRUITS (SWEET OR TART CHERRY, PEACH, OR PLUM/FRESH PRUNES):

Orchard Master® CA is effective at 2.0-3.0 pints of product per acre per application (1.0-1.4 pounds of acid equivalent/acre) as a broadcast treatment to the orchard floor. A maximum of two (2) applications 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.

TREE NUTS (ALMOND, FILBERT OR HAZELNUT, PECAN, BLACK AND ENGLISH WALNUT):

Orchard Master® CA is effective at 2.0-3.0 pints of product per acre per application (1.0-1.4 pounds of acid equivalent/acre) as a broadcast treatment to the orchard floor. A maximum of two (2) applications may be made per crop. Do not harvest these tree nuts within sixty (60) days of application.

PISTACHIO:

Orchard Master® CA is effective at 2.0-3.0 pints of product per acre per application (1.0-1.4 pounds of acid equivalent/acre) as a broadcast treatment to the orchard floor. A maximum of two (2) applications may be made per crop. Do not harvest these tree nuts within sixty (60) days of application.

Crop	Dosage Rate		Maximum Number of Broadcast Applications per Crop Year	Preharvest Interval ¹
	Pints/Acre	Lbs. of Acid Equiv./Acre		
Pome Fruits: Apple & Pear	2.0-3.0	1.0-1.4	2	14
Stone Fruits: Sweet or Tart Cherry, Peach, or Plum	2.0-3.0	1.0-1.4	2	40
Tree Nuts: Almond, Filbert or Hazelnut, Pecan, English & Black Walnut	2.0-3.0	1.0-1.4	2	60
Pistachio	2.0-3.0	1.0-1.4	2	60

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

SPOT TREATMENTS

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 non-target drift. Spray volumes will depend upon the height, density, weeds species, and equipment type.

Mix 1.0-2.0 gallons of product with 100 gallons of water, or prepare a 1.0-2.0% vol/vol spray solution. Or, mix 1.25-2.5 fl. oz. of product with one (1.0) gallon of water.

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.

SPECIFIC USE RESTRICTIONS FORPOME FRUITS, STONE FRUITS, PISTACHIOS, AND NUT CROPS

- Do not graze or feed cover crops from treated orchards to livestock.
- Do not apply during windy periods or extremely high temperatures.

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 6-9 inches in height during April through August. The maximum number of applications is four (4) per season. Do not harvest filberts within forty-five (45) days of application for this method of application.

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 Cress).

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

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 EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.

The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

ORCHARD MASTER[®] is a registered trademark of PBI/Gordon Corporation.

ROUNDUP[®] is a registered trademark of Monsanto Agricultural Products Company.

807/3-2008 AP081105
EPA REG. NO. 2217-703

Manufactured By



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