

OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

September 10, 2024

Brooke Baker Manager of Regulations Or-Cal,. Inc. 29454 Meadowview Rd. Junction City, OR 97448

Subject: Non-PRIA (Pesticide Registration Improvement Act) Labeling Amendment -

Updating ID language and Container Handling Information based on the acceptable review of the storage stability and corrosion characteristics data

(MRID 50360101)

Product Name: OR-CAL DUO Admin Number: 71096-20

EPA Receipt Date: 04/04/2022 and 08/24/2017 Action Case Number: 00478054 and 00477543

Dear Brooke Baker,

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the Registration Review of the above referenced product in connection with the Metaldehyde Interim Decision, and has concluded that your submission is acceptable.

A copy of your label stamped "Accepted" is enclosed. This labeling supersedes all previously accepted labeling. Products shipped after 12 months from the date of this amendment or the next printing of the label, whichever occurs first, must bear the new revised label. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the

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Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6.

If you have questions, please contact Elizabeth Danon via email at danon.elizabeth@epa.gov.

Sincerely,

Venus Eagle, Product Manager 01 Invertebrate and Vertebrate Branch 3 Registration Division

Office of Pesticide Programs

Enclosure: Stamped label

OR-CAL DUO

ACCEPT₁**ED** 09/10/2024

pesticide registered under

EPA Reg. No.

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the

71096-20

Controlled Release Pellet to Control Slugs and Snails Around Listed Vegetables, Citrus, and Ornamentals Controls Giant African Land Snail

Active Ingredients:	
Metaldehyde	2.0%
Sulfur	
Other Ingredients	<u>97.5%</u>
·	100.0%

EPA Reg. No. 71096-20

EPA Est. No. 66876-OR-001

KEEP OUT OF REACH OF CHILDREN CAUTION

Si usted no entienda la etiqueta, busque a algulen para que se la explique a usted an detaile. (If you do not understand the label, find someone to explain it to you in detail).

FIRST AID					
If swallowed	 Call 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 by the poison control center or doctor. Do not give anything by mouth to an unconscious person. 				
If inhaled	 Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control center or doctor for further treatment advice. 				
If in eyes	 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	 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. 				

Poisoning Hotline: Seek medical care as soon as possible after exposure. For incidents involving animals, seek veterinary care as soon as possible after exposure. Have the product container or label with you when you call a poison control center or doctor or veterinarian, or when going for treatment. For information on this pesticide product (including health

concerns or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

Metaldehyde is a systemic toxin. There is no antidote. The following instructions are not intended for laypeople. There is no home treatment. Exposed individuals and animals should receive emergency care as quickly as possible.

Note to Physician: Dust inhalation is usual route of accidental exposure; the product is rarely ingested. Treatment is symptomatic and supportive. Monitor severe exposures closely: seizures, electrolyte imbalances, acidosis, dehydration, and increased body temperature have been reported.

Note to Veterinarian: Animals typically are exposed via ingestion. Treatment is symptomatic and supportive. If significant ingestion is suspected, and the animal is asymptomatic, consider induction of emesis or gastric lavage and administration of activated charcoal, cathartic and enema to limit absorption. Monitor asymptomatic and symptomatic animals closely. Treat seizures, electrolyte imbalances, acidosis, dehydration, and increased body temperature. Monitor liver function post recovery.

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed. Harmful if inhaled. Causes moderate eye irritation. Harmful if absorbed through the skin. Avoid contact with eyes, skin, or clothing. Avoid breathing dust. **IMPORTANT:** This product can be harmful to children and fatal to domestic animals when ingested. Children and dogs may be attracted to the product. Application of this product is prohibited unless children and domestic animals can be excluded from the treated area from start of the application until applied material is no longer visible.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Mixers, loaders, applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks
- Chemical resistant gloves made of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride ≥14 mils, or viton ≥14 mils.

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing/PPE 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.

ENVIRONMENTAL HAZARDS

This product is toxic to mollusks (e.g., clams, oysters, scallops, mussels). Do not apply directly to water, or 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 washwaters or rinsate. This pesticide is toxic to birds and mammals. Granules on soil surface may be hazardous to terrestrial wildlife. Cover or collect any such materials spilled during loading.

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 State or Tribal agency representative responsible for pesticide regulation. Read entire label before using.

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 (PPE) notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation. DO NOT enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 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 out of: barrier laminate, butyl rubber ≥14 mils, nitrile rubber ≥14 mils, neoprene rubber ≥14 mils, natural rubber ≥14 mils, polyethylene, polyvinyl chloride ≥14 mils, or viton ≥14 mils
 - Shoes plus socks
 - Protective eyewear

RESTRICTIONS

- -This product is solely for use on agricultural crops grown for commercial or research purposes.
- -This product may not be applied to residential sites (i.e., in yards, gardens, around homes and apartments) and other sites such as the exterior areas around schools and daycare facilities, and athletic fields, playgrounds, parks, recreation areas, etc.
- Broadcast applications and applications of this product directed to plant parts are prohibited except to grass (grown for seed and/or forage and hay), corn and soybeans, wheat, and clover (grown for seed).
- -When broadcast applications are allowed, apply using standard broadcast spreaders.
- Do not allow bait pellet to come in contact with plant parts.
- Use only as a baiting treatment to be applied directly to the soil area beneath listed plants.

- Use as band treatment between rows.
- Grower is responsible for residues on crops.
- Do not apply to dry soil. Make applications following irrigation.
- Do not re-water for 48 hours after application.
- Not for use in California on clover grown for seed.
- Do not use in or around Hanalei, Kaua'i (USFW Refuge)
- Areas treated with Metaldehyde may be replanted immediately with crops registered for use on this label. Do not plant any crop not listed on this label in the treated area for at least 30 days after the last treatment with metaldehyde.

ADVISORY RESISTANCE MANAGEMENT

For resistance management, SLUG-FEST 4.0 contains metaldehyde, a systemic molluscicide that eliminates pests by destroying the mucus-producing glands of mollusks resulting in dehydration. Naturally occurring biotypes resistant to metaldehyde-based baits may still develop and become dominant after repeated use. Appropriate resistance-management strategies should be followed. The following steps can be used to delay the development of resistance:

- Rotate pest control methods when possible
- Use this product strictly in accordance with the label. Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with the manufacturer, your local university specialist or certified pest control advisor.
- If a pest population continues to persist after treatment with this product, discontinue use of this product, and switch to another management strategy, if available.
- If pest resistance is observed or suspected, please report to OR-CAL, Inc. at 541-689-4413.

OR-CAL DUO is a soil surface treatment for control of snails and slugs in citrus groves, berry crops, listed vegetable crops, ornamentals for production, and seed grasses. When applied as directed, OR-CAL DUO will withstand rain and sprinkling and will offer protections to gardens for several weeks. This product may be injurious to Daylilies and Clematis. Do not use on these plants.

For use on ornamentals and listed crops (other than citrus, grass grown for seed and/or forage and hay, wheat, corn and soybeans), apply in a band, between rows and/or directed towards base of the plants, by hand or with commercial application equipment designed for banded application of granular products.

For use on citrus, apply in a band under tree canopy, by hand or with commercial application equipment designed for banded application of granular products.

For grass (grown for seed and/or forage and hay) and wheat apply by broadcast application.

For clover (grown for seed): Apply as a perimeter treatment at planting and for subsequent applications by broadcast, directing the product to the soil. Not for use in California.

For corn and soybeans: Apply as a perimeter treatment at planting and for subsequent applications by broadcast, directing the product to the soil.

For clover (forage and hay), apply as a perimeter treatment.

Apply any time of day, but evening applications are preferred.

Crop Use Site	Maximum Single Application Rate (lbs Product/A)	Minimum Days Between Retreatment	Maximum Number of Applications Per Season	Preharvest Interval	Maximum number of applications per year
Artichoke -perennial	25	18	6	0	12
-annual	25	18	2	0	4
Beet (garden, garden leaves) Only for use in Oregon, Washington & Idaho	25	14	2	30	2
Berries: Blackberries, blueberries, boysenberries, currants, dewberries, gooseberries, huckleberries, loganberries, raspberries.	20	14	3	0	3
Strawberries	25	14	3	0	6
Citrus	25	14	6	0	6
Clover (grown for seed) Not for use in California	20	10	2	0	2
Clover (forage and hay) Only for use in Oregon, Washington & Idaho	20	10	2	30	2
Celery, Swiss Chard	25	21	4	1	8
Hops Only for use in Oregon, Washington & Idaho	25	14	4	60	4
Peas and Beans	25	7	3	Pre-bloom	6
Peas and Beans (forage and hay)	25	7	3	1	6
Rutabaga Only for use in Oregon, Washington & Idaho	25	14	2	40	4
Tomatoes	25	14	3	0	6
Lettuce and the following Leafy Greens: broccoli, Brussels sprouts, cabbage, cauliflower, collards, kale, spinach	25	14	3	0	6
Turnip (root and tops) Only for use in Oregon, Washington & Idaho	25	14	2	20	4
Wheat (forage, grain, hay, straw) Only for use in Oregon, Washington & Idaho	25	14	2	Prior to formation of seed head	4
Grass (grown for seed)	20	21	4	21	4
Grass (Forage and Hay	20	14	4	21	4
Mint (Peppermint, Spearmint, and their Oils)	25	21	4	1	4
Corn (field and sweet)	25	7	4	0	4
Soybean** (Only for use in					

the following states: Alabama, Arkansas, Connecticut, Delaware, Georgia, Louisiana, Maine, Maryland, Massachusetts, Mississippi, North Carolina, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, South Carolina, Tennessee, Vermont, Virginia)	10	7	3	0	3
Ornamental Plants	25	21	6	0	6

^{*}Corn applications must be completed no later than flag stage. Apply as perimeter treatment at planting (up to V8 growth stage) and then for subsequent applications (V8-VT growth stage) by broadcast, directing the product to the soil.

Growth stages are according to lowa State University Crop Guides:

Corn – https://graincrops.ca.uky.edu/files/corngrowthstages_2011.pdf
Soybean – https://crops.extension.iastate.edu/soybean/production_growthstages.html

STORAGE AND DISPOSAL

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

Pesticide Storage: This product can be harmful to children and fatal to dogs and other domestic animals if ingested. Dogs have been known to ingest metaldehyde after opening or tearing packaging. Store this product in its original packaging, in a cool, secure location and out of reach of children and pets.

Pesticide Disposal: To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Container Handling: {Note to the PM: Product will be placed in plastic laminate bags for which the Agency has acceptable data} Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration.

BATCH CODE

CONDITIONS FOR SALE

Important: Read these entire Directions and Conditions of Sale before using OR-CAL DUO. Disclaimer: Manufacturer warrants that this product conforms to the chemical description on the label and is reasonable fit for the specific purposes referred to in the Directions for Use, subject to the inherent risks referred to above. Manufacturer makes no other express or implied warranty. To the extent consistent with applicable law, in no case shall manufacturer be liable for consequential, special or indirect damage resulting from the use or handling of this product.

Net Weight: 10, 20, 40, 2000 lbs.

OR-CAL Inc.

Amendment 08/01/2024: Metaldehyde Interim Registration Review Decision

^{**}Metaldehyde treated soybeans may not be fed to livestock and livestock may not graze in the treated fields. Applications must be completed prior to pod formation. Apply as a perimeter treatment at planting (up to V4 growth stage) and then for subsequent applications (V4-R1 growth stage) by broadcast, directing the product to the soil.

29454 Meadowview Rd. Junction City, OR 97448 PH: 541-689-4413

Optional marketing logo(s)/statement(s): {Note to the PM: Adding below Meta and OR-CAL logos}



