



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

December 13, 2023

Kasey Ray
Registrant
Southern Agricultural Insecticides, Inc.
PO Box 218
Palmetto, FL 34220

Subject: Label Amendment – Implementing Chlorpyrifos Biological Opinion (BiOp)
Mitigation and General Updates
Product Name: Chlorpyrifos 2.5%
EPA Registration Number: 829-292
Application Date: 10/31/2022
Decision Number: 588533

Dear Kasey Ray:

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 Chlorpyrifos 2022 Biological Opinion and has concluded that your submission 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.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. The next label printing of this product must use this labeling unless subsequent changes have been approved. In accordance with 40 CFR § 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR § 152.3.

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 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 any questions, please contact David Drawbaugh at Drawbaugh.David@epa.gov.

Sincerely,



Michael Walsh
Product Manager 11
Invertebrate & Vertebrate Branch 2
Registration Division
Office of Pesticide Programs

Attachment



CHLORPYRIFOS 2.5% GRANULAR INSECTICIDE

ACCEPTED
12/13/2023
Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 829-292

**For professional use only. Not for sale to homeowners.
For Control of Various Insects (and Other Arthropods)
Infesting Sod Farms, Golf Course Turf, Outdoor Areas
around Industrial Plant Sites, and Ornamental Nurseries for
Commercial Production Only.**

Active Ingredient:
Chlorpyrifos: O,O-diethyl-O-(3,5,6-trichloro-
2-pyridinyl) phosphorothioate 2.5%
Other Ingredients 97.5%
Total 100.0%

**Keep Out of Reach of Children
CAUTION**



Southern Agricultural Insecticides, Inc.
P O Box 218 Palmetto, Fla. 34220 941-722-3285
Hendersonville, N.C. 28793 Boone, N.C. 28607
E.P.A. Reg. No. 829-292
EPA EST. NO. 829-FL-1; 829-NC-1; 829-NC-2

Net Weight: 50 lbs. (22.68 kg)

**FIRST AID
ORGANOPHOSPHATE**

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if irritation persists.

IF INHALED: Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. Get medical attention.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

FOR CHEMICAL EMERGENCY: Spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For more information on this product, call the National Pesticide Information Center at: 1-800-858-7378.

For medical emergencies, call the poison control center at 1-800-222-1222.

NOTE TO PHYSICIAN: Chlorpyrifos is a cholinesterase inhibitor. Treat symptomatically. Atropine, only by injection, is the preferable antidote.

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Harmful if swallowed or absorbed through skin or inhaled. Avoid contact with eyes, skin, or clothing. Avoid breathing dust.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

Loaders, applicators and all other handlers must wear coveralls over long-sleeved shirt and long pants.

Chemical-resistant gloves made of Barrier Laminate or Butyl Rubber \geq 14 mils.

Chemical-resistant footwear plus socks ,

A NIOSH approved particulate respirator with any N, R or P filter with NIOSH approval number prefix TC-84A; or a NIOSH approved powered air purifying respirator with HE filter with NIOSH approval number prefix TC-21C.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Wash the outside of gloves before removing

Keep and wash PPE separately from other laundry

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.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish, aquatic invertebrates, small mammals and birds. 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 wash water or rinsate.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read all directions for use before applying.

Chlorpyrifos* 2.5% granular insecticide is intended for use in Nurseries for Commercial Production Only, Golf Course Turf, Sod Farms, Road Medians and Industrial Plant sites to Control Various listed Insects .

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.

Use restrictions:

- Use as a wide area/general outdoor treatment for ants and other miscellaneous pests (excludes wide-area mosquito adulticide use) is prohibited.
- Do not use this product indoors.
- Do not enter or allow others to enter until dusts have settled.
- Do not feed grass clippings to livestock.
- Do not use hay for livestock bedding.
- Keep out of fishpools and other bodies of water.
- Do not apply by Aerial application.

Water Protections:

- Do not apply within 25 feet of aquatic habitats (such as, but not limited to, lakes, reservoirs, rivers, permanent streams, wetlands or natural ponds, estuaries, and commercial fish farm ponds).
- Do not apply directly to, or allow the product to enter sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.
- Do not apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.
- Do not apply to vertical surfaces directly above pervious or impervious surfaces that drain into ditches, storm drains, gutters, or surface waters.
- Do not apply or irrigate to the point of runoff.

Endangered Species Protection Requirements:

It is a Federal offense to use any pesticide in a manner that results in an unauthorized “take” (e.g., kill or otherwise harm) of an endangered species and certain threatened species under the Endangered Species Act section 9. When using this product, you must follow the measures contained in the Endangered Species Protection Bulletin for the area in which you are applying the product. You must obtain a Bulletin no earlier than six months before using this product. To obtain Bulletins, consult <http://www.epa.gov/espp/>, call 1-844-447-3813, or email ESPP@epa.gov. You must use the Bulletin valid for the month in which you will apply the product.

Reporting Ecological Incidents: To report ecological incidents, including mortality, injury, or harm to plants and animals, call 941-722-3285

Insect Resistance Management:

For resistance management, CHLORPYRIFOS 2.5% contains a Group 1B insecticide. Any insect population may contain individuals naturally resistant to CHLORPYRIFOS 2.5% and other Group 1B insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

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**), 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 24 hours. Certified crop advisors or persons entering fields under their direct supervision under certain circumstances may be exempt from the early reentry requirement pursuant to 40 CFR Part 170.

PPE for early entry to treated areas is: Coveralls over short sleeved shirt and short pants, Chemical-resistant gloves made of Barrier Laminate or Butyl Rubber \geq 14 mils, Chemical resistant footwear plus socks, and Chemical resistant headgear for overhead exposure.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are **NOT** within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep the public (especially children and pets) off treated area until subsequent rainfall or irrigation has washed the bait into the soil and the area is dried.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in original 50lb plastic bag. Do not store above 100° F for extended periods of time. If container is damaged or spill occurs, use product immediately or dispose of product and damaged container as indicated below.

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

Container Handling: Nonrefillable container. Do not reuse or refill this container.

Container Disposal: Completely empty bag into application equipment, then offer for recycling if available or dispose of empty bag in a sanitary landfill or offer for recycling if available or dispose by other procedures approved by state or local authorities.

Drift Mitigation

The buffer distances specified in the below table are the distances in feet that must exist to separate sensitive sites from the targeted application site. Buffers are measured from the edge of the sensitive site to the edge of the application site.

Sensitive sites are areas frequented by non-occupational bystanders (especially children). These include residential lawns, pedestrian sidewalks, outdoor recreational areas such as school grounds, athletic fields, parks and all property associated with buildings occupied by humans for residential or commercial purposes. Sensitive sites include homes, farmworker housing, or other residential buildings, schools, daycare centers, nursing homes, and hospitals. Nonresidential agricultural buildings, including barns, livestock facilities, sheds and outhouses are not included in this prohibition.

The required Setback (Buffer Zone) for ground applications made via spreaders is 10 feet.

Insects Controlled Include: Ants (except for fire, carpenter, harvester, and pharaoh), Armyworms, Billbugs, Boxelder bugs, Chinch bugs, Clover mites, Crickets, Cutworms, Earwigs, Grasshoppers, Sod webworms (lawn moths), Sowbugs (pillbugs)

<u>Area To Be Treated</u>	<u>Dosage Rates</u>
	<u>Pounds of Chlorpyrifos 2.5%</u>
1,000 sq ft	1 pounds
5,000 sq ft	5 pounds
10,000 sq ft	10 pounds

Maximum application rate is 1 lb. a.i. per acre

Application Instructions

Applications to Golf Course Turf, Sod Farms, Outside of Industrial Plant Buildings

Apply Chlorpyrifos 2.5% uniformly to turf at the rate of 1 pound per 1,000 sq ft. Consult the table to determine the amount of Chlorpyrifos 2.5% needed for a larger-sized areas. Use any hand or power-operated gravity or rotary type spreader designed for application of granular materials. To help obtain uniform distribution of Chlorpyrifos 2.5% on the turf, apply one-half of the required amount of product in one direction; then apply the amount remaining at a right angle.

To control ants (except for fire, carpenter, harvester, and pharaoh).

Apply Chlorpyrifos 2.5% at a rate of 1 ounce (2 tablespoons) per active mound. Sprinkle granules gently and evenly over surface of mound and out approximately two feet surrounding the mound. Avoid disturbing ants. For best results, apply when ants are least active: in cool weather, 65°F to 80°F, or in early morning or late evening hours. Treat new mounds as they appear.

Note: Broadcast use on residential turf is not allowed.

To Prevent Infestation Outside of Industrial Plant Buildings by Insects:

Such as: ants, (except for fire, carpenter, harvester, and pharaoh) crickets, earwigs, sowbugs (pillbugs), clover mites, spiders (except for black widow and brown recluse), boxelder bugs.

Treat a band of soil 6 to 10 feet around and adjacent to the perimeter of the building where pests are active and may find entrance. Use the same dosage recommended (1 pounds per 1,000 sq. ft.) for control of these pests on turf found in the application chart.

To Control the Following Insects in Ornamental Nurseries for Commercial Production

To Control: Ants, (except for fire, carpenter, harvester, and pharaoh), Armyworms, Crickets, Cutworms, Sowbugs (pillbugs), Grasshoppers and Earwigs. Apply Chlorpyrifos 2.5% evenly over soil within flower beds and under shrubbery. Use the same dosage recommended (1 pounds per 1,000 sq. ft.) for control of these pests on turf found in the application chart.

Note: 1 oz. = 6 teaspoons = 2 tablespoons = 1/8 cup

In Nursery Beds and Potting Media: Thoroughly mix 1 pound of Chlorpyrifos 2.5% per cubic yard of media. Use equipment suitable to give uniform distribution of granules.

In Container and Field Grown Woody Ornamentals (B&B Stock): Broadcast Chlorpyrifos 2.5% at 250 lbs. per Acre (6 lb. A.I. per acre) as a preharvest treatment to ornamental (non-food bearing) plants.

Inherent Risks of Use

It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label, such as unfavorable temperature, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of Southern Ag and Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer.

WARRANTY—CONDITIONS OF SALE

OUR RECOMMENDATIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically recommended and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, or incidental damages or losses resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

For information or questions email us at info@southernag.com