



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Registration Division (7505T)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

101563-226

Date of Issuance:

11/6/24

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Tetraniliprole GR 0.179

Name and Address of Registrant (include ZIP Code):

Environmental Science U.S., LLC  
5000 CentreGreen Way, Suite 400  
Cary, NC 27513

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA).

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is unconditionally registered in accordance with FIFRA section 3(c)(5) provided that you:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product when the Agency requires all registrants of similar products to submit such data.

*Continues page 2*

Signature of Approving Official:

Melissa Bridges, Product Manager 07  
IVB3, Registration Division (7505T)  
Office of Pesticide Programs

Date:

11/6/24

EPA Form 8570-6

2. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, "EPA Reg. No. 101563-226."
3. Submit one copy of the final printed label for the record before you release the product for shipment.

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.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records.

The record for this product currently contains the following CSF(s):

- Basic CSF dated 07/06/2023

If you have any questions, please contact Elizabeth Danon at 202-566-0623 or at [danon.elizabeth@epa.gov](mailto:danon.elizabeth@epa.gov).

Enclosure

**ACCEPTED**

11/06/2024

Under the Federal Insecticide, Fungicide  
and Rodenticide Act as amended, for the  
pesticide registered under  
EPA Reg. No. 101563-226

TETRANILIPROLE

GROUP

28

INSECTICIDE

## **Tetraniliprole GR 0.179**

For control of listed foliar and soil inhabiting insects including white grubs, caterpillars, annual bluegrass weevil and other listed pests that infest turfgrass in and around Residential, Commercial, and Institutional Buildings and on Golf Courses and Sports Fields

Editorial Note – [Bracketed Text] is optional language

### **ACTIVE INGREDIENT:**

Tetraniliprole\*:

1-(3-Chloro-2-pyridinyl)-N-(4-cyano-2-methyl-6-((methylamino)carbonyl)phenyl)-3-((5-(trifluoromethyl)-2H-tetrazol-2-yl)methyl)-1H-pyrazole-5-carboxamide.....0.179%

**OTHER INGREDIENTS:**.....99.821%

**TOTAL:**.....100.00%

\*Tetraniliprole belongs to the anthranilic diamide chemical class.

EPA Reg. No. 101563-XXX

EPA Est. \_\_\_\_\_

**STOP - READ THE LABEL BEFORE USE  
KEEP OUT OF REACH OF CHILDREN**

## **CAUTION**

**PRECAUCION AL USUARIO: Si usted no puede leer o entender inglés, no use este producto hasta que la etiqueta le haya sido explicada ampliamente.**

**(TO THE USER: If you cannot read or understand English, do not use this product until the label has been fully explained to you.)**

See [Back] [Side] Panel for First Aid Instructions and [Leaflet][Booklet] for Complete Precautionary Statements and Directions for Use. (Note to reviewer: Location of additional precautionary statements, directions for use will vary between those listed, depending on container type/size.)

**Net Contents:**

**Batch Code:**

**For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours a Day 1-800-424-9300  
For PRODUCT USE Information Call 1-800-331-2867**

**PRODUCED FOR**

**Environmental Science, US. LLC  
5000 CentreGreen Way, Suite 400  
Cary, NC 27513**

FIRST AID	
<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 do so by a poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</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 to 20 minutes.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<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.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b>In case of emergency call toll free the Environmental Science US., LLC Emergency Response Telephone No. 1-800-424-9300. Have a product container or label with you when calling a poison control center or doctor, or going for treatment.</b>	
<b>NOTE TO PHYSICIAN:</b> No specific antidote is available. Treat the patient symptomatically.	

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

#### **CAUTION**

Harmful if swallowed or absorbed through skin. Avoid contact with skin, eyes, or clothing. Causes moderate eye irritation.

Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse.

#### **PHYSICAL OR CHEMICAL HAZARD**

Do not mix or allow coming in contact with Oxidizing agents. Hazardous Chemical reaction may occur.

## **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other Handlers must wear:

- Long-sleeved shirt and long pants
- 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 (PVC) ≥ 14 mils, or Viton® ≥ 14 mils
- Shoes plus socks

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

<b>USER SAFETY RECOMMENDATIONS</b>
User Should: <ul style="list-style-type: none"> <li>• Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.</li> <li>• 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.</li> <li>• 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.</li> </ul>

## **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to aquatic invertebrates. **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** make applications when weather conditions favor drift from treated areas. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. **DO NOT** contaminate water when disposing of equipment washwater or rinsate.

## Ground Water Advisory

This chemical has properties and characteristics associated with chemicals detected in ground water. This chemical may leach into ground water if used in areas where soils are permeable, particularly where the water table is shallow.

## Surface Water Advisory

This product may impact surface water quality due to runoff of rain water. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having a high potential for reaching surface water via runoff for several months or more after application. A level, well-maintained vegetative buffer strip between areas to which this product is applied and surface water features such as ponds, streams, and springs will reduce the potential loading of Tetraniliprole GR 0.179 from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall or irrigation is expected to occur within 48 hours. Sound erosion control practices will reduce this product's potential to reach aquatic sediment via runoff.

## Pollinator Protection

This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and to reduce risk to these organisms.

---

## DIRECTIONS FOR USE

---

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

For non-agricultural use only.

**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

- **DO NOT** formulate this product into other end-use products.
- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply by aerial application
- **DO NOT** apply this product if turfgrass is waterlogged or soil is saturated with water.
- **DO NOT** apply more than 0.178 lbs. a.i./A per calendar year of any tetraniliprole-containing product regardless of application method.
- A downwind 10-foot on-field buffer must be used if blooming vegetation is present 10 feet out from the downwind edge of the field being treated with Tetraniliprole GR 0.179.
- **DO NOT** apply by ground within 25 feet of water bodies, such as lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.
- **DO NOT** cultivate within 25 feet of the aquatic areas to allow growth of a vegetative filter strip.
- **DO NOT** enter treated areas until sprays have dried.
- **DO NOT** allow this product to contact plants in bloom. Actively manage flowering weeds for 10 days following application using standard cultural practices such as mowing and/or herbicide treatment.
- [Not registered for sale, distribution, or use in Nassau and Suffolk counties, New York.]
- Not for use on sod farms

## PRODUCT INFORMATION

Tetraniliprole GR 0.179 is a suspension concentrate that may be applied for the control of white grubs, caterpillars, annual bluegrass weevil, billbugs, chinch bugs, and other listed pests infesting turfgrass in and around residential, commercial, and institutional buildings and on golf courses and sports fields.

## INTEGRATED PEST MANAGEMENT (IPM) PROGRAMS

Tetraniliprole GR 0.179 is recommended for IPM programs on turf. Tetraniliprole GR 0.179 does not flare outbreaks of secondary insect pests. The feeding behavior of predatory beneficial arthropods will aid in extending natural control of other insect and mite pests and will reduce the possibility of secondary pest outbreaks. Tetraniliprole GR 0.179 will reduce the target pest species that may serve as a food source for beneficial arthropods. Careful consideration should be taken when Tetraniliprole GR 0.179 is tank-mixed with other turf protection products.

# INSECTICIDE RESISTANCE MANAGEMENT

For resistance management, Tetraniliprole GR 0.179 contains a Group 28 insecticide. Any insect population may contain individuals naturally resistant to Tetraniliprole GR 0.179 and other Group 28 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.

To delay insecticide resistance, take the following steps:

- Rotate the use of Tetraniliprole GR 0.179 or other Group 28 insecticides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. **DO NOT** rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
- Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
- Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
- When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
- Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
- The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide/acaricides use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological, and other chemical control practices.
- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Environmental Science U.S., LLC representatives at 1-800-331-2867

## TURF USE DIRECTIONS

Tetraniliprole GR 0.179 can be used for the control of soil inhabiting pests of turfgrass, such as white grubs (including oriental beetle, *Anomala orientalis*; *Aphodius* spp., black turfgrass ataenius, *Ataenius spretulus*; green June beetle, *Cotinis nitida*; northern masked chafer, *Cyclocephala borealis*; southern masked chafer, *Cyclocephala immaculata*; Japanese beetle, *Popillia japonica*; May/June beetles (*Phyllophaga* spp.); Asiatic garden beetle, *Maladera castanea*; European chafer, *Amphimallon majale*; and sugarcane beetle, *Euethola rugiceps*) and foliar pests such as turf caterpillars (including armyworms, *Spodoptera* spp.; cutworms, *Agrotis* spp.; and sod webworms, *Crambus* spp.), billbugs, *Sphaerophorus* spp.; annual bluegrass weevil, *Listronotus maculicollis*, chinch bugs, *Blissus* spp.

Tetraniliprole GR 0.179 provides high levels of control when applications are made preceding or during the egg laying period. When targeting soil dwelling pests, use sufficient irrigation or rainfall to move the product into the soil. *Do not apply when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist.*

The active ingredient in Tetraniliprole GR 0.179 provides high levels of control when applications are made preceding or during the egg laying period. When targeting soil dwelling pests, use sufficient irrigation (1/4-1/2 inch of water) or equivalent rainfall, within 24 hours after the application, to move the active ingredient through the thatch. The treated turf must be in a condition such that rainfall or irrigation will penetrate vertically in the soil profile. **DO NOT** apply when turfgrass areas are waterlogged or the soil is saturated with water. Adequate distribution of the active ingredient cannot be achieved when these conditions exist. **DO NOT** cultivate within 25 feet of aquatic areas to allow growth of a vegetative filter strip. Employ best management practices for minimizing runoff.

**Table 1: TURF APPLICATION RATES**

PEST	APPLICATION RATE (PRODUCT/ACRE)	LB AI/A	NUMBER OF APPLICATIONS AT MAXIMUM RATE PER YEAR	USE DIRECTIONS
<b>White Grubs</b> <i>Aphodius</i> spp., Asiatic garden beetle, black turfgrass ataenius, European chafer, green June beetle, Japanese beetle, May/June beetles ( <i>Phyllophaga</i> spp.), northern masked chafer, oriental beetle, southern masked chafer, and sugarcane beetle	25 to 50 lb	0.0045 to 0.089	2	Treat from peak adult flight through egg hatch
<b>Caterpillars</b> Armyworms, cutworms, and sod webworms	25 to 50 lb	0.0045 to 0.089	2	Apply when pest presence first observed or anticipated
<b>Billbugs</b>	25 to 50 lb	0.0045 to 0.089	2	Apply when overwintering adults are first observed
<b>Annual bluegrass weevil larvae</b>	25 to 50 lb	0.0045 to 0.089	2	Apply when early instar larvae infest turf
<b>Chinch bugs</b>	25 to 50 lb	0.0045 to 0.089	2	Apply when chinch bugs first observed

**RESTRICTION: DO NOT** apply more than 0.178 lbs of a.i./A/calendar year of any tetraniliprole-containing product regardless of product.

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**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: Non-refillable container.** Do not reuse or refill this container. Offer for recycling, if available. Completely empty bag into application equipment. Dispose of empty bag in a sanitary landfill or by incineration.

Handle and open container in a manner as to prevent spillage. If material is spilled for any reason or cause, carefully contain any spilled material to prevent non-target contamination. Do not walk through spilled material and dispose of as directed for pesticides above. Refer to Precautionary Statements on label for hazards associated with the handling of this material. In spill or leak incidents, keep unauthorized people away. You may contact the Environmental Science U.S., LLC Emergency Response Team for decontamination procedures or any other assistance that may be necessary. The Environmental Science Emergency Response Telephone No. is 1-800-424-9300.



---

## CONDITIONS OF SALE AND LIMITATIONS OF WARRANTY AND LIABILITY

---

Read the entire Directions for Use, Conditions, Disclaimer of Warranties and Limitations of Liability before using this product. If terms are not acceptable, return the unopened product container at once.

By using this product, user or buyer accepts the following Conditions, Disclaimer of Warranties and Limitations of Liability.

**CONDITIONS:** The directions for use of this product are believed to be adequate and must be followed carefully. However, it is impossible to eliminate all risks associated with the use of this product. Ineffectiveness, plant injury, other property damage, as well as other unintended consequences may result because of factors beyond the control of Environmental Science U.S., LLC. Those factors include, but are not limited to, weather conditions, presence of other materials or the manner of use or application. To the extent consistent with applicable law, all such risks shall be assumed by the user or buyer.

**DISCLAIMER OF WARRANTIES:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, THAT EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of Environmental Science U.S., LLC is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC DISCLAIMS ANY LIABILITY WHATSOEVER FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

**LIMITATIONS OF LIABILITY:** TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, STRICT LIABILITY OR OTHERWISE, SHALL NOT EXCEED THE PURCHASE PRICE PAID, OR AT ENVIRONMENTAL SCIENCE U.S., LLC ELECTION, THEREPLACEMENT OF PRODUCT.

PRODUCED FOR



**Environmental Science U.S., LLC**  
**5000 CentreGreen Way, Suite 400**  
**Cary, NC 27513**

Tetraniliprole GR 0.179 (Pending) <DATE TO BE FILLED IN>