



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

January 20, 2026

SENT BY EMAIL

Catherine Rice
catherine.rice@envu.com
ENVIRONMENTAL SCIENCE U.S., LLC

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 - Correcting typos in the ingredient statement and New York state restriction section
Product Name: E2Y45 0.058%G Insecticide on Fertilizer P
Admin Number: 101563-408
EPA Receipt Date: 11/14/2025
Action Case Number: 00675849

Dear Catherine Rice:

The U.S. Environmental Protection Agency is in receipt of your application for notification under Pesticide Registration Notice 98-10 for the above referenced product. The EPA has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The labeling submitted with this application has been stamped "Notification" and will be placed in our records.

Should you wish to add/retain a reference to your company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains statements or claims substantially differing from statements or claims made in connection with obtaining a FIFRA section 3 registration, the website will be referred to the EPA's Office of Enforcement and Compliance Assurance.

If you have questions, please contact Jasmin Jackson via email at jackson.jasmin@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Jasmin Jackson".

Jasmin Jackson, Biologist
IVB3, RD
Office of Pesticide Programs

E2Y45

0.058%G INSECTICIDE ON FERTILIZER P

Alternative Brand Name:

- *E2Y45 0.058%G INSECTICIDE ON FERTILIZER*
- *DURENTIS® 0.058%G INSECTICIDE ON FERTILIZER*

For foliar and systemic control of insect pests on turfgrass and ornamental plants on golf courses, sports and recreation turf, lawns and landscaped areas on and around residential, commercial and institutional properties, commercial sod farms, and interior plantscapes.

Use sites include residential, institutional, public, commercial, and industrial buildings, golf courses, parks, recreational areas and athletic fields, and sod farms.

NOTIFICATION

EPA Reg. No. 101563-408

EPA Est.

101563-408

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

1/20/2026

*Contains 0.00058 lb of chlorantraniliprole per pound of product.

Chlorantraniliprole (CASRN 500008-45-7) belongs to the anthranilic diamide chemical class.

{Required Text if the product's Guaranteed Analysis is greater than 0-0-0}

Guaranteed Analysis XX-X-XX

Total Nitrogen (N)	XX.XX%
XX.XX% Urea Nitrogen	
Soluble Potash (K ₂ O)	XX.XX%
Sulfur (S) Total	XX.XX%
X.XX% Free Sulfur (S)	
X.XX% Combined Sulfur (S)	
Iron (Fe) Total	XX.XX%
X.XX% Soluble Iron (Fe)	
Derived From: Poly Coated Sulfur Coated Urea,	
Sulfate Of Potash, Iron Sucrate	
Chlorine (Cl) Max	XX%

Note to reviewer: Total Nitrogen value cannot exceed 46%. This note will not appear on the commercial label.

KEEP OUT OF REACH OF CHILDREN
See [other panels] [[inside]booklet] [back][panel] for additional precautionary information.

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.)

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

Net Contents:

MEDICAL HOTLINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact the Environmental Science U.S., LLC Emergency Response Telephone No. 1-800-424-9300 for emergency medical treatment information.

For Technical Support or information regarding the use of this product, call **1-800-331-2867**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

When used as directed, this product does not present a hazard to humans or domestic animals.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Shoes plus socks.

After the product has been loaded into properly calibrated application equipment, shirt, pants, socks, and shoes are sufficient Personal Protection Equipment (PPE). 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.

User Safety Recommendations:

- 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.

Environmental Hazards

This pesticide is toxic to aquatic invertebrates, oysters, and shrimp. Do not apply directly to water. Drift and runoff may be hazardous to aquatic organisms in water adjacent to use sites.

Surface water advisory: This product may impact surface water quality due to runoff of rainwater. This is especially true for poorly draining soils and soils with shallow ground water. This product is classified as having 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 chlorantraniliprole from runoff water and sediment. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

Groundwater 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, may result in ground water contamination.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling. Read the following "Directions for Use" carefully before applying this product.

STOP. READ AND UNDERSTAND THE ENTIRE LABEL BEFORE USE.

E2Y45 0.058%G insecticide on fertilizer P must be used only in accordance with the directions on this label, in separate EPA-approved labeling or exemptions under FIFRA (Supplemental Labels, Special Local Need Registrations, FIFRA Section 18 exemptions, FIFRA 2(ee) Bulletins), or as otherwise permitted by FIFRA. Always read the entire label, including the Limitation of Warranty and Liability.

FAILURE TO FOLLOW DIRECTIONS AND PRECAUTIONS ON THIS LABEL MAY RESULT IN TURF INJURY AND POOR INSECT CONTROL.

RESTRICTIONS

- DO NOT apply this product with aerial application equipment.
- DO NOT apply this product through any type of irrigation system.
- DO NOT use for commercial grass seed production.
- DO NOT use in commercial ornamental nurseries and greenhouses.
- DO NOT apply more than 860 lbs E2Y45 0.058%G insecticide on fertilizer P (equivalent to 0.5 lb of active ingredient) per acre per calendar year
- DO NOT apply more than 345 lbs E2Y45 0.058%G insecticide on fertilizer P (equivalent to 0.2 lb of active ingredient) in a single application on sod farms.
- Wait a minimum of 7 days to retreat.
- DO NOT formulate this product into other end-use products without written permission from Environmental Science U.S., LLC.

New York State restrictions:

- Not registered for sale, sale into, distribution and/or use in Nassau, Suffolk, Kings, Queens Counties of New York State unless permitted under FIFRA Section 24(c) Special Local Need Registration.
- **Buffer Zones**
 - **Golf courses greens and tees:**
This product may not be applied within 25 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
 - **Golf Course fairways:**
This product may not be applied within 50 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).
 - **All other sites**
This product may not be applied within 100 feet of a water body (lake, pond, river, stream, wetland, or drainage ditch).

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 (PPE), notification to workers (as applicable), and restricted-entry interval. The requirements in this box 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 4 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:

- Long-sleeved shirt and long pants
- Shoes plus socks.

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.

Professional applications to golf courses, residential, industrial and commercial lawns and sports fields are not within the scope of the Worker Protection Standard.

Do not allow other workers to enter the treated area while application is in progress.

RESISTANCE MANAGEMENT

For resistance management, E2Y45 0.058%G insecticide on fertilizer P contains a Group 28 insecticide. Any insect population may contain individuals naturally resistant to E2Y45 0.058%G insecticide on fertilizer P and other Group 28 insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same area. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Rotate the use of E2Y45 0.058%G insecticide on fertilizer P or other Group 28 insecticide within a growing season, or among growing seasons with different insecticide 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 use that includes scouting, uses historical information related to pesticide use, 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 pest control advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific types of turf and weed biotypes.

For further information or to report suspected resistance, contact Environmental Science U.S., LLC at 800-331-2867. You can also contact your pesticide distributor or university extension specialist to report resistance.

INTEGRATED PEST MANAGEMENT

Environmental Science U.S., LLC supports the use of Integrated Pest Management (IPM) programs to control pests. This product may be used as part of an IPM program, which can include biological, cultural, and genetic practices, aimed at preventing economic pest damage. IPM principles and practices include field scouting or other detection methods, correct target pest identification, population monitoring, rotation of insecticides with different modes-of-action and treating when target pest populations reach locally determined action thresholds. Consult your state cooperative extension service, professional consultants, or other qualified authorities to determine appropriate action treatment threshold levels for treating specific pest/crop or site systems in your area.

General Information

E2Y45 0.058%G insecticide on fertilizer P contains 0.00058 lb of chlorantraniliprole per pound of product.

E2Y45 0.058%G insecticide on fertilizer P is a member of the anthranilic diamide class of insecticides with a mode of action acting on insect ryanodine receptors. E2Y45 0.058%G insecticide on fertilizer P is effective through ingestion of treated plant material. After exposure to E2Y45 0.058%G insecticide on fertilizer P affected insects will rapidly stop feeding, become paralyzed, and typically die within 1 - 3 days. Time applications to the most susceptible insect pest stage, typically at egg lay, egg hatch and/or newly hatched larvae before populations reach damaging levels. When pest populations are high, use the highest listed application rate for that pest.

Table 1: List of Controlled Pests

List of Controlled Pests	
Annual Bluegrass Weevil (<i>Hyperodes</i>) adults Armyworms Billbugs Chinch Bugs*	White Grubs including <ul style="list-style-type: none">• Asian Garden Beetle• Black Turfgrass Ataenius (Adult)• Japanese Beetle

Cutworms European Crane Fly (larvae) Spittlebugs (two-lined) Sod Webworm	<ul style="list-style-type: none"> • European Masked Chafer • Northern Masked Chafer • Southern Masked Chafer • Oriental Beetle • Green June Beetle • May/ June Beetle
*Suppression only	

TURFGRASS

Established Turf

Use sites include residential, institutional, public, commercial, and industrial buildings, golf courses, parks, recreational areas and athletic fields, and sod farms. E2Y45 0.058%G insecticide on fertilizer P may be used on seeded, sodded, or sprigged turfgrasses.

Uniform application is necessary to provide good pest control. Apply as a broadcast application.

Restrictions and Other Use Precautions:

- DO NOT use for commercial grass seed production.
- DO NOT apply this product through any type of irrigation system.
- Do not apply more than once every 7 days.
- DO NOT apply more than 860 lbs product (equivalent to 0.5 lbs chlorantraniliprole) per acre per calendar year in broadcast application to turfgrass.
- DO NOT apply more than 345 lbs product (equivalent to 0.2 lbs chlorantraniliprole) per acre in a single application to sod farms.

USE RATE Conversion		
Ibs product per 1000 sq ft	Ibs Chlorantraniliprole per acre	Ibs product per acre
4.0	0.1	172
6.0	0.153	263
8.0	0.2	345
19.8	0.5	860

		Single Application Use Rate: E2Y45 0.058%G insecticide on fertilizer P	
Target Pest		Ibs per 1000 sq ft	Ibs per acre
White Grubs (including <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 and southern masked chafer)		4.0 – 8.0	172 - 345
Billbugs			
European Crane Fly			
Turf caterpillars (including armyworms, cutworms and sod webworms)			
Annual bluegrass weevil	6.0 – 8.0	263 - 345	
Chinch bugs (suppression only)	4.0 – 8.0	172 - 345	

NOTE to EPA Product Manager: Text in brackets [] is optional.

ORNAMENTAL PLANTS

E2Y45 0.058%G insecticide on fertilizer P may be used to control the pests of landscape ornamentals and interior plantscapes.

For maximum efficiency, apply at rates up to 569 lbs product (0.33 lbs chlorantraniliprole) per acre in a single application to control any of the pests listed below.

Restrictions and Other Use Precautions:

- DO NOT apply more than 860 lbs product (equivalent to 0.5 lbs chlorantraniliprole) per acre per calendar year in broadcast application to landscape ornamentals.

USE RATE Conversion		
lbs product per 1000 sq ft	lbs Chlorantraniliprole per acre	lbs product per acre
4.0	0.1	172
8.0	0.2	345
13.1	0.33	569

		Single Application Use Rate: E2Y45 0.058%G insecticide on fertilizer P	
Target Pest	lbs per 1000 sq ft	lbs per acre	
White Grubs (Asiatic garden beetle, European chafer, green June beetle, Japanese beetle, May/June beetles (Phyllophaga spp.), northern masked chafer, oriental beetle and southern masked chafer)	4.0 – 8.0	172 - 345	

CLEANING APPLICATION EQUIPMENT

Ensure following best practices for application equipment post use. Thoroughly clean all application equipment to mitigate the risk of hardened deposits. Use clean water to rinse all associated application equipment and adhere to necessary safety precautions. Do not clean equipment near water sources, including wells. Dispose of waste rinse water in accordance with local regulations.

SPREADER EQUIPMENT SETTINGS

Broadcast application should be performed with a calibrated commercial broadcast spreader to evenly distribute the granules. [Approximate settings for several models are provided in the table below.]

Insert optional spreader setting table here.

{Note to Reviewer: The exact setting will depend on the fertilizer prill size and type of fertilizer in the bag. For this reason, a representative table cannot be provided here.}

[Optional metals information]

[Information regarding the contents and levels of metals in this product is available on the internet at [Trace Metals - Metal Content Analysis Information](#)]

[Information regarding the contents and levels of metals in this product is available on the internet at [Fertilizer Database | Washington State Department of Agriculture](#)]

[Information regarding the contents and levels of metals in this product is available on the internet at [CDFA Fertilizer Product Database](#)]

[Information regarding the contents and levels of metals in this product is available on the internet at [Search Fertilizer Registered Products](#)]

STORAGE AND DISPOSAL

Do not contaminate water, other pesticide, fertilizer, food, or feed in storage or disposal. Not for use or storage in or around the home.

PESTICIDE STORAGE: Keep out of reach of children and pets. Store in original containers only. Store in a cool, dry place and avoid excess heat. Carefully open containers. After partial use, close tightly.

In case of spill, avoid contact, isolate area and keep out animals and unprotected persons. Confine spills. 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 U.S., LLC Emergency Response Telephone No. is 1-800-424-9300.

To confine spill: Cover to prevent disposal. Place damaged package in a holding container. Identify contents.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Completely empty bag into application equipment. Then offer for recycling, if available, or dispose of empty bag in a sanitary landfill

Conditions of Sale and Limitation of Warranty and Liability:

NOTICE: Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of Environmental Science U.S., LLC or Seller. All such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Environmental Science U.S., LLC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, ENVIRONMENTAL SCIENCE U.S., LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or Environmental Science U.S., LLC, and buyer assumes the risk of any such use.

To the extent consistent with applicable law, Environmental Science U.S., LLC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ENVIRONMENTAL SCIENCE U.S., LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ENVIRONMENTAL SCIENCE U.S., LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

Owned or Licensed U.S. Patents for this product can be found at <https://patent.envu.com>

Envu and the Envu logo are trademarks and DURENTIS® are registered trademarks owned by Environmental Science U.S., LLC or one of its affiliates.

[Optional State Specific Language]

{Note to Reviewer: These statements are typically added right after the Fertilizer composition section. Typically states have not raised questions concerning where these statements are on the labels, as long as the information is present. Only states where the product will be registered will be included on the commercial label.}

FLORIDA APPLICATIONS: For use on athletic turf in FL, we recommend you follow SL191, "Recommendations for N, P, K & Mg for Golf Course and Athletic Field Fertilization Base on Mehlich I Extractant", available on the internet at <http://edis.ifas.ufl.edu/SS404>.

FLORIDA APPLICATIONS: For commercial application to urban turf or lawns in FL, we recommend you follow the Best Management Practices for Protection of Water Resources in Florida, June 2002, Florida Green Industries, available on the internet at http://www.dep.state.fl.us/central/Home/MeetingsTraining/FLGreen/BMP_Book_final.pdf

Optional State Specific Language for Virginia

In Virginia this lawn/turf fertilizer contains phosphorous and is intended only for nonagricultural use on (1) turf during its first growing season, (2) on turf areas being repaired or renovated, and (3) on turf where a soil test performed within the last 3 years indicates a phosphorous deficiency. This fertilizer is not intended for the routine maintenance of turf.

Optional State Specific Language for Maryland

This fertilizer contains phosphorus and may not be used on turf in the state of Maryland except when 1) Providing nutrients to specific soils and target vegetation as determined to be necessary in accordance with a soil test that was conducted by a laboratory identified under § 8-803.7 of the Agriculture Article. Annotated Code of Maryland performed no more than 3 years before the application; 2) Establishing vegetation for the first time, such as after land disturbance, provided the application is conducted in accordance with the recommended application rates established by the State; or 3) Reestablishing or repairing a turf area.