



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

EPA Reg. Number:

71711-71

Date of Issuance:

12/01/25

NOTICE OF PESTICIDE:

☒ Registration
☐ Reregistration
(under FIFRA, as amended)

Term of Issuance:

Unconditional

Name of Pesticide Product:

Pyraclonil 3.3% Granule Herbicide

Name and Address of Registrant (include ZIP Code):

Nichino America, Inc.
4550 Linden Hill Road
Suite 501 Wilmington, DE 19808

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.

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Signature of Approving Official:

Nathan Mellor, Chief
Fungicide and Herbicide Branch, Registration Division (7505T)

Date:

12/01/25

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. 71711-71."

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 03/28/2024

If, after formal consultation with the appropriate Service(s), additional modifications are identified in the Service's Biological Opinion(s) for pyraclonil, EPA will notify Nichino America Inc. in writing consistent with the terms in the Biological Opinion of any necessary required changes. Nichino America Inc. must submit an application for amendment incorporating any required changes, including amended labels, consistent with the timeline specified in EPA's notification. If Nichino America Inc. fails to comply with this term, Nichino America Inc. has agreed in prior written acceptance on 09/04/2025 of these terms that EPA may cancel the registration under an expedited process under FIFRA 6(e).

If you have any questions, please contact Francisco Llarena-Arias at 202-566-2816 or at llarena-arias.francisco@epa.gov.

Enclosure



Pyraclonil 3.3% Granule Herbicide

For use as a selective herbicide for weed control in water-seeded rice in California only.

ACTIVE INGREDIENT:

Pyraclonil: 1-(3-Chloro-4,5,6,7-tetrahydropyrazolo[1,5-a]pyridin-2-yl)-5-(methyl-2-propyn-1-ylamino)-1H-pyrazole-4-carbonitrile **3.3%**

OTHER INGREDIENTS: **96.7%**

TOTAL **100.0%**

Contains 0.033 lb pyraclonil per pound of product

EPA Reg. No. 71711-xx

EPA Est. No. _____

[Alternate brand name: ZEMBU™ Max Herbicide]

KEEP OUT OF REACH OF CHILDREN CAUTION

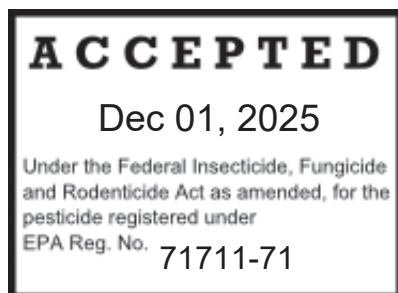
FIRST AID	
If in eyes	<ul style="list-style-type: none">• Hold eye open, and rinse slowly and gently with water for 15-20 minutes.• Remove contact lenses, if present, after the first 5 minutes; then continue rinsing eye.• Call a poison control center or doctor for further treatment advice.
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center (1-800-222-1222) or doctor or going for treatment. For additional information on this pesticide product, including human health concerns and medical emergencies, call 1-800-348-5832.	

{NOTE TO REVIEWER: Optional Text Are Provided in Brackets [].} See [inside] [attached] booklet for [First Aid,] [Precautionary Statements,] [and] [Directions for Use]

Net Contents: _____

[Manufactured in ____] [formulated in ____] [and] [packaged in ____] for:

Nichino America, Inc.
4550 Linden Hill Road, Suite 501
Wilmington, DE 19808
888-740-7700



PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

HANDLER PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear the following:

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

See **Engineering Controls** for additional requirements.

User Safety Requirements

Follow the 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.

Engineering Controls

When handlers use closed systems, 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:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash skin 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 pesticide is toxic to wildlife. With the exception of treating rice fields as specified in this label, **DO NOT** apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. **DO NOT** apply where runoff is likely to occur. **DO NOT** contaminate arable land and/or water when cleaning equipment or disposing of equipment washwaters or rinsate.

DIRECTIONS FOR USE

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

ENDANGERED AND THREATENED SPECIES PROTECTION REQUIREMENTS

Before using this product, you must obtain any applicable Endangered Species Protection Bulletins ('Bulletins') within six months prior to or on the day of application. To obtain Bulletins, go to Bulletins Live! Two (BLT) at <https://www.epa.gov/pesticides/bulletins>. When using this product, you must follow all directions and restrictions contained in any applicable Bulletin(s) for the area where you are applying the product, including any restrictions on application timing if applicable.

It is a violation of federal law to use this product in a manner inconsistent with its labeling, including this labeling instruction to follow all directions and restrictions contained in any applicable Bulletin(s).

For general questions or technical help, call 1-844-447-3813, or email ESPP@epa.gov.

USE STRICTLY IN ACCORDANCE WITH PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE.

DO NOT apply this product in a way that will contact workers or other people, 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 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), restricted-entry interval, and notifications to workers.

DO NOT enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 12 hours.

For early entry into 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
- Shoes plus socks
- Waterproof gloves

PRODUCT INFORMATION

Pyraclo-nil 3.3% Granule Herbicide is a contact herbicide formulated as a granule suitable for selective pre- and early postemergence weed control. When applied according to label directions, it is effective in the control of susceptible grass, sedge, and broadleaf weeds in water-seeded rice.

Pyraclo-nil 3.3% Granule Herbicide is formulated using dust-free inert carrier granules (dust index <0.3).

To achieve optimal weed control, apply **Pyraclo-nil 3.3% Granule Herbicide** to water-seeded rice prior to or at day of seeding (DOS). Apply **Pyraclo-nil 3.3% Granule Herbicide** by air using fixed-wing or rotary aircraft. Calibrate equipment to ensure uniform distribution of granules.

Efficacy may depend on the following parameters:

- Weed stage of growth
- Growing and environmental conditions (e.g., excess soil moisture, rain, and temperature) prior to and following treatment
- Water management

Pyraclo-nil, the active ingredient in **Pyraclo-nil 3.3% Granule Herbicide**, is a Group 14 herbicide based on the mode of action classification system of the Weed Science Society of America. Pyraclo-nil inhibits the plant enzyme protoporphyrinogen oxidase (PPO), leading to cell membrane disruption and ultimately plant death.

WEED RESISTANCE MANAGEMENT

For resistance management, **Pyraclo-nil 3.3% Granule Herbicide** is a Group 14 herbicide. Any weed population may contain or develop plants naturally resistant to **Pyraclo-nil 3.3% Granule Herbicide** and other Group 14 (PPO) herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

Pyraclo-nil 3.3% Granule Herbicide and other pesticides should be incorporated into an Integrated Pest Management (IPM) program that can include the use of cultural, biological, and other chemical practices to prevent economical pest damage. Effective IPM practices include the use of weed-free seed, proper scouting and identification of weeds within each paddy, optimum water management, pesticide treatment at the appropriate target stage, and mechanical weed control when appropriate. This list is not inclusive and should be used in conjunction with other practices to further prevent resistance development.

To delay herbicide resistance, take one or more of the following steps:

- Always apply **Pyraclo-nil 3.3% Granule Herbicide** at its intended use rate of 8.1 lb formulated product per acre per year (0.268 lb pyraclo-nil active ingredient per acre per year).
- Avoid following a PPO-inhibiting herbicide application with another herbicide application of the same mode of action unless in tank mixture with a product with a different mode of action.
- The use of PPO herbicides in consecutive years should be done in conjunction with herbicides containing other modes of action.
- Monitor escaped weeds and control them before they can produce seed.

- Rotate the use of **Pyraclo-nil 3.3% Granule Herbicide** or other Group 14 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s) equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.
- Adopt an integrated weed management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation and that considers tillage (or other mechanical control methods), cultural (e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties), and other management practices.
- Users should scout before and after application.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Users should report lack of performance to registrant or their representative.

Suspected herbicide-resistant weeds may be identified by these indicators:

- Failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds;
- A spreading patch of noncontrolled plants of a particular weed species; and
- Surviving plants mixed with controlled individuals of the same species.

Contact your local sales representative, crop advisor, or extension agent to find out if suspected resistant weeds to this MOA has been found in your region.

MANDATORY SPRAY DRIFT REQUIREMENTS

DO NOT apply when wind speeds exceed 10 miles per hour at the application site.

BEST MANAGEMENT PRACTICES

For Levee Management

- Refer to the Rice Production Manual from the University of California for best management practices to minimize perennial weeds, which may attract rodents, and to optimize construction and maintenance of levees to minimize seepage. <https://rice.ucanr.edu/files/288575.pdf> (pages 11.13-11.14).
- Restrictions
 - **DO NOT** apply pyraclo-nil to rice fields exhibiting visible water seepage that moves offsite into drains that are considered state waters during the water holding period. Seepage is defined as lateral movement of irrigation water through a rice field levee or border to an area outside the normally flooded production area. Seepage can occur through levees into adjacent dry fields or into adjacent drains and canals.
 - Users must ensure the borders surrounding each rice field be compacted before water is allowed to fill the field; the degree of compaction must be sufficient to prevent water from seeping through the border. This requirement applies to new or reworked existing borders for the current rice season. A common border between two existing rice fields does not need to be compacted.

For Water Management

Refer to University of California for best practices for water and irrigation canal management. https://rice.ucanr.edu/Guidelines/Water_Use_Management/.

APPLICATION CHART FOR PYRACLONIL 3.3% GRANULE HERBICIDE

Weeds Controlled		Rate/Acre
Barnyardgrass ¹	[<i>Echinochloa crus-galli</i>]	8.1 lb (0.268 lb ai)
California arrowhead	[<i>Sagittaria montevidensis</i> ssp. <i>Calycina</i>]	
Ducksalad	[<i>Heteranthera limosa</i>]	
Gregg arrowhead	[<i>Sagittaria longiloba</i>]	
Monochoria	[<i>Monochoria</i> spp.]	
Redstem	[<i>Ammannia</i> spp.]	
Smallflower umbrella sedge	[<i>Cyperus difformis</i>]	
Watergrass, early ¹	[<i>Echinochloa oryzoides</i>]	
Watergrass, late ¹	[<i>Echinochloa phyllopogon</i>]	
Water hyssop	[<i>Bacopa</i> spp.]	
Weeds Suppressed		
Barnyardgrass ²	[<i>Echinochloa crus-galli</i>]	
Ricefield bulrush	[<i>Schoenoplectiella mucronata</i>]	
Watergrass, early ²	[<i>Echinochloa oryzoides</i>]	
Watergrass, late ²	[<i>Echinochloa phyllopogon</i>]	
Use Directions		
<ul style="list-style-type: none">• Apply to flooded field prior to or at seeding (DOS).• For application prior to seeding, water must be at a minimum of one-inch deep.• For application at DOS, follow local advice to determine depth of flood.		
USE RESTRICTIONS		
<ul style="list-style-type: none">• For Use Only in California.• Overspray to berms/levees should be minimized.• DO NOT apply to wild rice.• DO NOT apply directly or indirectly to crops other than rice.• DO NOT apply where runoff or irrigation water may flow directly onto agricultural land other than rice fields.• DO NOT use treated rice fields for the aquaculture of edible fish and crustaceans.• DO NOT use water directly from treated fields to irrigate other crops.• DO NOT rotate with any crop other than rice for 365 days after the application of Pyraclonil 3.3% Granule Herbicide.• DO NOT drain fields for a minimum of 30 days after application.• Users must release waters slowly, not more than 2 inches of water over a drain box weir for seven additional days after the 30-day holding period.• DO NOT apply more than 8.1 lb (0.268 lb ai) per acre in a single application.• DO NOT make more than 1 application per year.• DO NOT apply more than 8.1 lb (0.268 lb ai) per acre per year.• Reentry Interval (REI): 12 hours		
Notes		
<ul style="list-style-type: none">• If soil is exposed after application, a reduction in efficacy, weed regrowth, and additional weed emergence may occur.• Occasionally, transient symptoms of chlorosis and slight reduction in vigor may appear on rice, but the crop recovers within a few days without any adverse effect on yield.• Under heavy grass pressure, subsequent applications of grass herbicides may be necessary to achieve optimal control.		
¹ Control of barnyardgrass, early watergrass, and late watergrass if application of Pyraclonil 3.3% Granule Herbicide is made prior to weed emergence and postemergence to the 1-true leaf weed stage.		
² Suppression only of barnyardgrass, early watergrass, and late watergrass if application of Pyraclonil 3.3% Granule Herbicide is made at the 2-true leaf weed stage or later.		

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal.

PESTICIDE STORAGE: Store under well-vented, cool, and dry storage conditions.

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 plastic bag]. Nonrefillable container. **DO NOT** reuse or refill this container. Completely empty bag into application equipment; then offer for recycling if available or dispose of in a sanitary landfill or by other procedures approved by state and local authorities.

In case of fire or spills, information may be obtained by calling 1-800-424-9300.

IMPORTANT: READ BEFORE USE

By using this product, user or buyer accepts the following conditions, warranty, disclaimer of warranties, and limitations of liability.

CONDITIONS: The directions for use of this product are believed to be accurate and must be followed carefully. However, because of extreme weather and soil conditions, use methods and other factors beyond the control of Nichino America, Inc. (NAI), it is impossible for NAI to eliminate all risks associated with the use of this product. As a result, crop injury or ineffectiveness is always possible. To the extent consistent with applicable law, all such risks are assumed by the user or buyer.

DISCLAIMER OF WARRANTIES: TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE OR OTHERWISE, WHICH EXTEND BEYOND THE STATEMENTS MADE ON THIS LABEL. No agent of NAI is authorized to make any warranties beyond those contained herein or to modify the warranties contained herein. To the extent consistent with applicable law, NAI disclaims any liability whatsoever for incidental or consequential damages, including, but not limited to, liability arising out of breach of contract, express or implied warranty (including warranties of merchantability and fitness for a particular purpose), tort, negligence, strict liability, or otherwise.

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 THE ELECTION OF NICHINO AMERICA, INC., THE REPLACEMENT OF PRODUCT.

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