



OFFICE OF CHEMICAL SAFETY AND POLLUTION PREVENTION

WASHINGTON, D.C. 20460

July 2, 2024

Keeva Cannavo
Manager, Regulatory and Scientific Affairs
Nichino America Inc.
4550 Linden Hill Road, Suite 501
Wilmington, DE 19808

Subject: Label Amendment - Registration Review Mitigation for Pyraflufen-ethyl
Product Name: NNH-950-4 HERBICIDE
EPA Registration Number: 71711-29
Application Date: December 22, 2020
Decision Number: 569020

Dear Keeva Cannavo:

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

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 the Federal Insecticide, Fungicide, and Rodenticide Act 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) list 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 Assurance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling and must be used at your next label printing. You must

submit one copy of the final printed labeling before you release the product for shipment with the new labeling. 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.

If you have any questions about this letter, please contact DeMariah Koger by phone at (202)-566-2288, or via email at Koger.demariah@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read 'Maryam K. Muhammad', with a long, sweeping horizontal line extending to the right.

Maryam K. Muhammad, Team Lead
Risk Management and Implementation Branch 4
Pesticide Re-Evaluation Division
Office of Pesticide Programs

ENCLOSURE: Stamped label

ACCEPTED

07/02/2024

Under the Federal Insecticide, Fungicide
and Rodenticide Act as amended, for the
pesticide registered under
EPA Reg. No. 71711-29

{NNH-950-4 71711-29}

PYRAFLUFEN-ETHYL	GROUP	14	HERBICIDE
GLYPHOSATE	GROUP	9	HERBICIDE

**NICHINO AMERICA****NNH-950-4 Herbicide****(Not for homeowner use)****Active Ingredient:**

Pyraflufen ethyl (ethyl 2-chloro-5-(4-chloro-5-difluoromethoxy-1-methyl-1*H*-pyrazol-3-yl)-4-fluorophenoxyacetate)..... **0.16%**

Glyphosate (N-(phosphonomethyl)glycine, in the form of its isopropylamine salt)..... **30.00%**

Other Ingredients:..... **69.84%**

Total: **100.00%**

Contains 0.015 lb pyraflufen ethyl and 2.8 lbs glyphosate acid equivalent per U.S. gallon

EPA Reg. No. 71711- 29**EPA Est. No.****Alternate Brand: Thunderbolt Herbicide**

KEEP OUT OF REACH OF CHILDREN
CAUTION

FIRST AID	
If on skin or clothing	<ul style="list-style-type: none">• 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.
If swallowed	<ul style="list-style-type: none">• Immediately call a poison control center or doctor.• Do not induce vomiting unless told to do so by a poison control center or doctor.• Do not give any liquid to the person.• Do not give anything by mouth to an unconscious person.
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 1-800-348-5832 for emergency medical treatment information. In case of fire or spills, information may be obtained by calling 1-800-424-9300.	

Net Contents: ____ gal (____ L)**Active Ingredients Made in Japan and China; Formulated and Packaged in U.S.A. for****Nichino America, Inc.****4550 Linden Hill Road, Suite 501**

Wilmington, DE 19808

**PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION**

Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wear long-sleeved shirt and long pants, socks, shoes, and chemical resistant gloves.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, made from barrier laminate and/or butyl rubber \geq 14 mils
- Shoes plus socks
- Protective eyewear
- For overhead exposure, wear chemical resistant headgear

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:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove and wash contaminated clothing before reuse.

ENGINEERING CONTROLS STATEMENTS

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.

ENVIRONMENTAL HAZARDS

NON-TARGET ORGANISM ADVISORY: This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators, in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize spray drift.

This pesticide is toxic to fish and aquatic invertebrates. This product may contaminate water through drift of spray in wind or via runoff events. Use care when applying in areas adjacent to any body of water. 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 contaminate water when disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas.

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 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) 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 12 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 from barrier laminate and/or butyl rubber \geq 14 mils
- Shoes plus socks
- Protective eyewear

NONAGRICULTURAL 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, or greenhouses. For other uses, including interiorscapes and other nonagricultural uses, do not enter treated areas without protective clothing until sprays have dried.

USE INFORMATION

NNH-950-4 Herbicide is designed for nonselective grass and broadleaf weed control. This product contains two active ingredients; one of which provides systemic grass and broadleaf control and one which provides contact activity against broadleaf weeds. Glyphosate works by targeting an enzyme that is essential for plant growth.

Only certified applicators are permitted to apply **NNH-950-4 Herbicide** for turf and ornamental sites. This product is nonselective and should not be applied to sensitive crops or foliage, including turfgrass.

ROTATIONAL CROP RESTRICTIONS

Do not plant rotational crops other than crops listed on this label for at least 30 days after application. For fields being rotated to a non-labeled crop, any application must be made a minimum of 30 days prior to planting.

USE RESTRICTIONS

- Do not apply more than 32 fl oz/acre for preplant burndown use prior to seeding crops listed on this label (corn, wheat, soybean, cotton, root and tuber vegetables, leafy vegetables, cole crops, legumes, fruiting vegetables, cucurbits, and small grains).
- Do not apply more than 76 fl oz/acre for preplant fallow and crop stubble.
- Do not apply more than 76 fl oz/acre for nonbearing and bearing deciduous fruit and nut trees and vines.
- Do not apply more than 76 fl oz/acre for noncrop land and uncultivated agricultural areas per year.
- Do not apply more than 96 fl oz/acre per growing season for noncrop weeds per year.
- Do not apply this product through any type of irrigation system.

WEEDS CONTROLLED

The following broadleaf and grass weed species can be controlled up to 4 inches in height or less, or rosettes of 3 inches in diameter or less, by applications of NNH-950-4 Herbicide at rates of 24-38 fl oz per acre. Tankmixes of NNH-950-4 Herbicide with other herbicides may be needed for control of these weed species if larger than 4 inches tall or rosettes of greater than 3 inches in diameter.

Barley	Crabgrass	London rocket
Bedstraw	Dwarf dandelion	Mustard, blue
Beggartick, hairy	Fall panicum	Mustard, tansy
Bindweed, field (suppression)	Field pennycress	Mustard, tumble
Bittercress	Fleabane, annual	Mustard, wild
Bluegreass, annual	Fleabane, rough	Sandbur, field
Bluegrass, bulbous	Foxtail, giant	Shepherd's-purse
Brome, downy	Foxtail, green	Sprangletop
Brome, Japanese	Foxtail, yellow	Sunflower, common
Browntop panicum	Goatgrass, jointed	Texas panicum
Cheatgrass	Grain sorghum	Wild oats
Cocklebur	Johnsongrass, seedling	
Corn speedwell	Little barley	

The following broadleaf and grass weed species can be controlled up to 4 inches in height or less, or rosettes of 3 inches in diameter or less, by applications of NNH-950-4 Herbicide at rates of 32-38 fl oz per acre. Tankmixes of NNH-950-4 Herbicide with other herbicides may be needed for control of these weed species if larger than 4 inches tall or rosettes of greater than 3 inches in diameter.

Anoda, spurred Barnyardgrass Beggarweed, Florida Buckwheat, wild Bur cucumber Canola Carolina geranium Carpetweed Celery, wild Chickweed Copperleaf, hornbeam Copperleaf, Virginia Cutleaf eveningprimrose Dandelion Dock, curly Eclipta False dandelion Fiddleneck Filaree Fleabane, hairy Florida pusley	Goosegrass Groundcherry Groundsel, common Hemp sesbania Henbit Marestail (Horseweed) Jimsonweed Knotweed Kochia Lambsquarters Mallow, common Mayweed Morningglory Nightshade, black Nightshade, hairy Nettle, stinging Pigweeds Poinsettia, wild Poison-ivy Prickly lettuce Purslane	Prickly sida Ragweed, common Ragweed, giant Sicklepod Signalgrass, broadleaf Smellmelon Smartweed (ladythumb) Smartweed, Pennsylvania Sowthistle, annual Spurge, leafy (suppression) Spurge, prostrate Spurge, spotted Swinecress Thistle, Russian Toadflax, dalmation Velvetleaf Virginia pepperweed Waterhemp, tall Wild proso millet Woolly cupgrass Yellow rocket
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WEED RESISTANCE-MANAGEMENT

For resistance management, please note that **NNH-950-4 Herbicide** contains both a Group 14/pyraflufen-ethyl and a Group 9/glyphosate herbicide. Any weed population may contain or develop plants naturally resistant to Group 14 and/or Group 9 herbicides. The resistant individuals may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance-management strategies should be followed.

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

- Rotate the use of NNH-950-4 Herbicide or other Group 14 and 9 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.

- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- 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.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Nichino America representatives at 888-740-7700.

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 non-controlled 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 have been found in your region. If resistant biotypes of target weeds have been reported, use the application rates of this product specified for your local conditions. Tank mix products so that there are multiple effective mechanisms of actions for each target weed.

MIXING DIRECTIONS

Add $\frac{1}{2}$ to $\frac{3}{4}$ of the required amount of water to the spray tank. Start agitation. Add the required amount of NNH-950-4 Herbicide and the remaining amount of water. Mix only as much spray solution as can be sprayed within four hours. Storage and use of the previous day's spray mix may result in reduced activity.

Use an approved agricultural buffering agent buffering to pH 7.0 or less if using NNH-950-4 Herbicide in a water source of greater than pH 7.0.

TANK MIXTURES

NNH-950-4 Herbicide may be applied as a tankmix or in sequential application with other herbicide products. Weather, crop conditions, or the presence of certain weeds, crop damaging

insects, or diseases will indicate the inclusion of other pesticides in the defoliation or desiccation application.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Note: It is recommended that the compatibility of NNH-950-4 Herbicide in any tankmix combination be tested before use. To determine the physical compatibility with other products, use a jar test, as described below:

Using a quart jar, add the proportionate amounts of the products to 1 qt. of water. Add wettable powders and water-dispersible granular products first, then liquid flowables, and emulsifiable concentrates last. After thoroughly mixing, let stand for at least 5 minutes. If the combination remains mixed or can be remixed readily, it is physically compatible. Once compatibility has been proven, use the same procedure for adding required ingredients to the spray tank.

MANDATORY SPRAY DRIFT MANAGEMENT

Aerial Applications:

- Do not release spray at a height greater than 10 ft above the vegetative canopy, unless a greater application height is necessary for pilot safety.
- Applicators are required to use a fine or coarser droplet size (ASABE S572.1).
- If the windspeed is 10 miles per hour or less, applicators must use $\frac{1}{2}$ swath displacement upwind at the downwind edge of the field. When the windspeed is between 11-15 miles per hour, applicators must use $\frac{3}{4}$ swath displacement upwind at the downwind edge of the field.
- Do not apply when wind speeds exceed 15 mph at the application site. If the windspeed is greater than 10 mph, the boom length must be 65% or less of the wingspan for fixed wing aircraft and 75% or less of the rotor diameter for helicopters. Otherwise, the boom length must be 75% or less of the wingspan for fixed-wing aircraft and 90% or less of the rotor diameter for helicopters.
- Do not apply during temperature inversions.]

Ground Boom Applications:

- User must only apply with the release height recommended by the manufacturer, but no more than 4 feet above the ground or crop canopy.
- Applicators are required to use fine or coarser droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

Boomless Ground Applications:

- Applicators are required to use fine or coarser droplet size (ASABE S572.1) for all applications.
- Do not apply when wind speeds exceed 15 miles per hour at the application site.
- Do not apply during temperature inversions.

SPRAY DRIFT ADVISORIES

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

- **IMPORTANCE OF DROPLET SIZE** - An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.
 - **Controlling Droplet Size - Ground Boom**
 - **Volume** - Increasing the spray volume so that larger droplets are produced will reduce spray drift. Use the highest practical spray volume for the application. If a greater spray volume is needed, consider using a nozzle with a higher flow rate.
 - **Pressure** - Use the lowest spray pressure recommended for the nozzle to produce the target spray volume and droplet size.
 - **Spray Nozzle** - Use a spray nozzle that is designed for the intended application. Consider using nozzles designed to reduce drift.
 - **[Controlling Droplet Size - Aircraft**
 - **Adjust Nozzles** - Follow nozzle manufacturers recommendations for setting up nozzles. Generally, to reduce fine droplets, orient nozzles parallel with the airflow in flight.]
- **BOOM HEIGHT - Ground Boom**
 - For ground equipment, the boom should remain level with the crop and have minimal bounce.
- **[RELEASE HEIGHT - Aircraft**
 - Higher release heights increase the potential for spray drift.]
- **HANDHELD TECHNOLOGY APPLICATIONS:**
 - Take precautions to minimize spray drift.
- **SHIELDED SPRAYERS**
 - Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers. Verify that the shields are not interfering with the uniform deposition of the spray on the target area.
- **TEMPERATURE AND HUMIDITY**
 - When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.
- **TEMPERATURE INVERSIONS**
 - Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

- WIND:
 - Drift potential increases with wind speed. AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.
 - Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.
- BOOMLESS GROUND APPLICATIONS:
 - Setting nozzles at the lowest effective height will help to reduce the potential for spray drift.

EQUIPMENT CLEANING

Do not allow the spray solution to dry in the application equipment. After application and before using the sprayer equipment for any other applications, the sprayer must be thoroughly cleaned. Applicators must ensure proper equipment clean-out for any other products mixed with NNH-950-4 Herbicide as provided on the other product label(s).

Immediately following application, clean all equipment thoroughly with detergent or a spray tank cleaner and water as described below. Should residues of NNH-950-4 Herbicide remain in inadequately cleaned equipment, they may be released in subsequent applications and cause injury to crops.

1. Drain sprayer tank, hoses, and spray boom and thoroughly rinse with clean water the inside of the spray tank, sprayer hoses, boom, and nozzles to remove any sediment or residues.
2. Fill the tank ½ full with clean water, add the appropriate detergent (follow manufacturer's directions for use). Fill tank to capacity and operate the sprayer with agitation for 15 minutes to flush hoses, boom, and nozzles.
3. Drain the sprayer tank, lines, and booms. Rinse the tank with clean water and flush through the hoses, boom, and nozzles. Remove and clean spray nozzles, tips, and screens.
4. Dispose of all cleaning solutions, rinsate, and washwaters in accordance with Federal, state, and local regulations.

APPLICATION AND DOSAGE

PREPLANT BURNDOWN

NNH-950-4 Herbicide may be used for weed control preplant to the following crops:

Field Corn, Wheat, Soybeans, Cotton, Root and Tuber Vegetables, Leafy Vegetables, Cole Crops, Legumes, Fruiting Vegetables, Cucurbits, and Small Grains (Limited to Preplant Burndown)

For best results, use NNH-950-4 Herbicide for control of annual or perennial herbaceous broadleaf or grass weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. NNH-950-4 Herbicide may be applied preplant burndown to control weeds or in tank mixtures with other labeled herbicides.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Field Corn Cotton Soybeans Wheat	Annual grass and/or broadleaf weeds	24-32 fl oz/A in a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground*.	<ul style="list-style-type: none">• Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall.• Allow a minimum of 30 days between applications.• Treated areas may be replanted immediately with any crop listed in this section.• Do not plant any other rotational food crops for 30 days after the last application.• Do not apply more than 32 fl oz/A for this use.
Root and Tuber Vegetables, Leafy Vegetables Cole Crops, Legumes, Fruiting Vegetables, Cucurbits, Small Grains			<ul style="list-style-type: none">• Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall.• Allow a minimum of 30 days between applications.• Do not apply within 2 days of planting for crops listed in this section.• Do not plant any other rotational food crops for 30 days after the last application.• Do not apply more than 32 fl oz/A for this use.

*Refer to Weeds Controlled section for specific rate recommendations. NNH-950-4 Herbicide may be tank mixed with other labeled herbicides, including residual products for expanded weed control.

PREPLANT FALLOW BEDS AND CROP STUBBLE

This product may be applied preplant to fallowland in preparation for planting or postharvest to crop stubble. Preplant applications may be made prior to planting during the fallow period for any crop listed on this label. For crops not listed on this label, applications must be made at least 30 days prior to planting.

For best results, use NNH-950-4 Herbicide for control of annual or perennial broadleaf and grass weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control. NNH-950-4 Herbicide may be applied after the harvest of any crop to control late emerging broadleaf weeds or in tank mixtures with other labeled herbicides for broad spectrum weed control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Preplant Fallowbeds and Crop Stubble	Annual grass and/or broadleaf weeds	24-32 fl oz/A in a minimum of 10 gallons water per acre by ground; 5 gallons water per acre by air*	<ul style="list-style-type: none"> • Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Allow a minimum of 30 days between applications. • For crops not listed on this label, applications must be made at least 30 days prior to planting.
*Refer to Weeds Controlled section above for specific rate recommendations.			

NONCROP LAND AND UNCULTIVATED AGRICULTURAL AREAS (nonfood producing)

NNH-950-4 Herbicide may be used for broad spectrum weed control in noncrop situations. For best results, use NNH-950-4 Herbicide for control of annual or perennial broadleaf and grass weeds less than 4" in height, or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for good control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Noncrop Land and Uncultivated Agricultural Areas	Annual grass and/or broadleaf weeds	24-32 fl oz/A plus other labeled herbicides in a minimum of 5 gallons water per acre by air or 10 gallons water per acre by ground	<ul style="list-style-type: none"> • Use the higher rates and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Allow a minimum of 30 days between applications.

NONCROP WEED CONTROL (Not for homeowner use)

For use in noncrop areas where control of weeds is desired, such as airports; commercial plants; storage and lumber yards; barrier strips and firebreaks; equipment areas; nurseries and ornamental plantings; sodfarms; Christmas trees; established ornamental turf; railroad, roadside and utility rights-of-way; fuel tank farms and pumping stations; other similar industrial noncrop areas.

For applications to ornamental turf and plantings, do not allow people (other than the applicator) or pets on treatment area during application and until sprays have dried (refer to Nonagricultural Use Requirements box). Apply NNH-950-4 Herbicide at rates specified in the dosage table below for control of broadleaf and grass weeds. **Avoid contact with desirable vegetation.**

Addition of a nonionic surfactant or crop oil concentrate (COC) is recommended for optimum control. Follow manufacturer's use rates.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Use	Rate/Acre	Use Restrictions and Comments
(See directions for use above for explanation of appropriate use sites)	24-38 fl oz/A in 20 to 40 gpa using ground or backpack or similar spray equipment or 5 gpa by air	<ul style="list-style-type: none"> • Do not make more than 3 applications. • Allow a minimum of 30 days between applications.

NONBEARING DECIDUOUS FRUIT AND NUT TREES AND VINES (EXCLUDING CITRUS)

For best results, apply NNH-950-4 Herbicide for control of annual or perennial broadleaf and grass weeds less than 4" in height or rosettes less than 3" in diameter. Thorough, uniform spray coverage is essential for adequate control.

Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Comments and Restrictions
Nonbearing Tree Fruit, Nut, and Vine Crops	Annual grasses and/or broadleaf weeds	24-32 fl oz/A in a minimum of 10 gallons of water per acre by ground	<ul style="list-style-type: none"> • Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Allow a minimum of 30 days between applications. • Do not harvest edible crops for 12 months following application. • Addition of labeled residual herbicides to extend weed control is permissible. • Do not apply by air.

DECIDUOUS FRUIT AND NUT TREES AND VINES (EXCLUDING CITRUS)
(Postharvest, Dormant and Prebloom applications)

[dates, feijoa, figs, grapes, kiwi fruit, mango, olives, persimmons, pome fruit, pomegranates, stone fruit, and tree nuts] (excluding citrus)

NNH-950-4 Herbicide may be applied as a postharvest or preplant burndown treatment for control of emerged winter and summer annual broadleaf and grass weeds and burndown or suppression of certain perennial broadleaf and grass weeds during the dormant period prior to bloom. NNH-950-4 Herbicide should be applied to emerged weeds less than 4" in height or rosettes less than 3" in diameter. Thorough coverage of target weeds is essential for optimum performance. Addition of a nonionic surfactant or crop oil concentrate (COC) is recommended for optimum control. Follow manufacturer's use rates. Read and follow all label directions for each tankmix product. Always use in accordance with the most restrictive of label precautions and limitations.

Crop	Pest	Rate/Acre	Use Restrictions and Comments
Dates, Feijoa, Figs, Grapes, Kiwi Fruit, Mango, Olives, Persimmons, Pome and Stone Fruit, Pomegranates Tree Nuts	Annual grass and broadleaf weeds	24-32 fl oz/A in a minimum of 10 gallons water per acre in a broadcast or band directed application	<ul style="list-style-type: none"> • Use the higher rate and spray volumes for control of larger weeds (4" tall). Control may be reduced with weeds larger than 4 inches tall. • Allow a minimum of 30 days between applications. • Do not allow spray to contact green bark of trunk area on young grape vines and fruit or nut trees. • Do not apply by air.

STORAGE AND DISPOSAL

DO NOT contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide Storage: Store in a cool place.

Pesticide Disposal: Pesticide wastes are toxic. Improper disposal of excess pesticide, pesticide spray or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

Container Disposal: DO NOT reuse empty container. Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

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.

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