



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

January 11, 2017

Lydia Cox
Regulatory Affairs Specialist
Nichino America
4550 New Linden Hill Rd. Suite 501
Wilmington, DE 19808

Subject: Label Amendment – Flutolanil label mitigation
Product Name: Moncut 50-W
EPA Registration Number: 71711-3
Application Date: 06/03/2016
Decision Number: 518004

Dear Ms. Cox:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. 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 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under 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.

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance

Page 2 of 2
EPA Reg. No. 71711-3
Decision No. 518004

with FIFRA section 6. If you have any questions, please contact Lisa Pahel by phone at (703) 347-0459, or via email at pahel.lisa@epa.gov.



Shaja B. Joyner, Product Manager 20
Fungicide-Herbicide Branch
Registration Division 7505P

Enclosure



**Moncut® 50-W
FUNGICIDE**

For Use on Peanuts, Potatoes, and Rice

NOT REGISTERED FOR USE IN CALIFORNIA

ACTIVE INGREDIENT:	% By Wt.
Flutolanil: Benzamide, N-[3-(1-methylethoxy)phenyl]-2-(trifluoromethyl)-.....	50.0%
OTHER INGREDIENTS	50.0%
	TOTAL 100.0%

EPA Reg. No. 71711-3
EPA Est. No. _____

**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 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 treatment advice.
HOTLINE NUMBER	
<p>Have the product container or label with you when calling a poison control center 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. In case of fire or spills, information may be obtained by calling 1-800-424-9300.</p>	

Net Contents: _____

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

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

PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

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

Personal Protective Equipment

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical resistant gloves made out of any waterproof material
- Shoes plus socks

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

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.

User Safety Recommendations

Users should:

- Wash hands before drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove clothing/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 product is toxic to shrimp. For terrestrial uses, do not apply to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when 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.

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 in your State 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 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 of any waterproof material
- Shoes plus socks

USE INFORMATION

MONCUT® 50-W is a systemic fungicide for control of Southern stem rot (white mold) *Sclerotium rolfsii*, and the limb/pod rot complex, *Rhizoctonia solani*, in peanuts; for control of sheath blight, *Rhizoctonia solani*, in rice; and for control of black scurf (*Rhizoctonia solani*) in potatoes.

MIXING DIRECTIONS

- Buffer the water in the spray tank.
- Fill the spray tank $\frac{3}{4}$ full. Turn on spray tank agitation. Pour recommended amount of this material on the surface of water in the spray tank.
- Add balance of water to spray tank.
- Keep agitation running during filling and spraying operations.

USE RESTRICTIONS

Do not use oil as carrier or add other additives to the finished spray.

Do not plant rotational crops other than peanuts, rice, or potatoes for 12 months following last application of Moncut 50-W, with the following exceptions:

- Leafy vegetables (such as lettuce, spinach, or celery), or small grain crops (such as wheat, barley, rye, or oats) may be planted 150 days after the last application.
- Corn (such as field, sweet, or popcorn), sorghum, soybeans, or cotton may be planted 240 days or more following the last application of Moncut 50-W.

SPRAY DRIFT MANAGEMENT

Spray equipment and weather affect spray drift. Consider all factors when making application decisions. Where states have more stringent regulations, they must be observed. Avoiding spray drift is the responsibility of the applicator or grower. To reduce the potential for drift, the application equipment must be set to apply medium or larger droplets (i.e. ASABE Standard 572) with corresponding spray pressure. Use high flow rate nozzles to apply the highest practical spray volume, using the appropriate droplet size to ensure adequate canopy distribution, coverage, and penetration. With most nozzle types, narrow spray angles produce larger droplets. Follow the nozzle manufacturer's directions on pressure, orientation, spray volume, etc., in order to minimize drift and optimize coverage and control.

APPLICATION DIRECTIONS FOR PEANUTS

Apply Moncut 50-W as a broadcast foliar application using spray equipment commonly used to apply leafspot fungicide treatments. In fields with a history of soil-borne disease, two sequential applications of 2 lb/A should be used for the most effective control. Moncut 50-W may be applied in tankmix with leafspot treatments that fall within the recommended timing for Moncut 50-W application.

Moncut 50-W may be applied to peanuts through chemigation. (See application techniques below.)

Chemigation Application:

1. Determine the size of the area to be treated.
2. Determine the time required to apply $\frac{1}{4}$ to $\frac{1}{2}$ inch of water over the area to be treated when the system and injection equipment are operated at normal pressures as recommended by the equipment manufacturer.
3. Using water, determine the injection pump output when operated at normal line pressure.
4. Determine the amount of Moncut 50-W required to treat the area covered by the irrigation system.
5. Add the required amount of Moncut 50-W to the solution tank with sufficient water to meet the injection time requirements.
6. Make certain the system is fully charged with water before starting injection of the Moncut 50-W solution. Time the injection to last at least as long as it takes to bring the system to full pressure.
7. Maintain constant solution tank agitation during the entire injection period.
8. Stop injection equipment after treatment is completed. Continue to operate the system until the Moncut 50-W solution has cleared the last sprinkler head.

Read the “Application and Calibration Techniques for Sprinkler Irrigation” section below.

Ground Application: By ground, apply recommended rate in 10-40 gallons of water per acre.

Aerial Application: By air, apply recommended rate in 5-10 gallons of water per acre.

Crop	Diseases	Rate per Acre (lb./A)	Application Directions
Peanuts	Southern Stem Rot (white mold, <i>Sclerotium rolfsii</i>); Limb/Pod Rot Complex (<i>Rhizoctonia solani</i>)	2.0 – 4.0	One application program: Apply 2.0-4.0 lbs. Moncut 50-W per acre about 50-70 days after planting. Use the higher rates in fields known to have high disease incidence.
		1.0 – 2.0	Two application program: Apply 1.0-2.0 lbs. Moncut 50-W per acre. Apply 50-70 days after planting and repeat with a second application of 1.0-2.0 lbs. Moncut 50-W per acre about 30 days later. Use the higher rate in fields known to have high disease incidence.
		0.5 – 1.0	Four application program: Apply 0.5-1.0 lbs. Moncut 50-W per acre. Begin when conditions are favorable for soilborne disease development, generally 50-70 days after planting. Repeat application at 10 to 14 day intervals for a total of four applications.

USE RESTRICTIONS

- Apply no more than a combined total of 4.0 lbs. Moncut 50-W per acre per year to peanuts as a broadcast application or through chemigation.
- Do not apply later than 40 days prior to digging of peanuts.
- Do not feed hay or threshings from rotational crops of soybeans or cotton planted following the harvest of treated peanuts (more than 2.0 lbs. Moncut 50-W per acre), and do not allow cattle to graze soybean or cotton forage in these previously treated peanut fields.
- This pesticide is toxic to shrimp. Do not apply this product within three miles of any estuarine/marine waterways or watershed.

APPLICATION DIRECTIONS FOR RICE

Apply Moncut 50-W aerially in 5-10 gallons of water per acre, using one of the following schedules:

Crop	Diseases	Rate per Acre (lb./A)	Application Directions
Rice	Sheath Blight (<i>Rhizoctonia solani</i>)	0.7 – 1.0	Apply 0.7 – 1.0 lbs. Moncut 50-W per acre at first internode elongation, and follow with a second application at the same rate 10 to 14 days later. Use the higher rate where disease pressure is expected to be heavy.
		0.7 – 1.4	In fields where close scouting is practiced to detect and monitor sheath blight, apply Moncut 50-W when 5-10% of the tillers of a susceptible variety or 10-15% of a moderately susceptible variety have sheath blight lesions. Apply Moncut 50-W at 0.7 to 1.4 lbs. per acre. Continue scouting and reapply if disease begins to move up the rice stem again.

USE RESTRICTIONS

- Do not apply more than 2.0 pounds of Moncut 50-W per acre per year.
- Do not apply later than 30 days prior to rice harvest, or beyond 75% heading development stage, whichever occurs first.
- This pesticide is toxic to shrimp. Do not apply this product within three miles of any estuarine/marine waterways or watershed.
- Flooded fields may be used for aquaculture of crayfish only following rice harvest.
- Do not use treated waters for drinking water or watering livestock.

APPLICATION DIRECTIONS FOR POTATOES (In-furrow use only)

USE RESTRICTION

Do not apply this product through any type of irrigation system on potatoes.
Do not use oil as carrier or add other additives to the finished spray.

Crop	Disease	Rate Per Acre (lb./A)	Application Directions
Potatoes	Black Scurf (<i>Rhizoctonia solani</i>)	1.0 to 1.5 lbs per acre (see reference chart below)	Apply 1.0 to 1.5 lbs. of Moncut 50-W per acre (see reference chart) as an in-furrow spray by directing spray uniformly around and over the seed piece in a 4-8 inch band prior to covering with soil. Use a minimum of 3 gallons of spray volume per acre. Use highest rate when disease conditions are expected to be severe, or if field has a history of <i>Rhizoctonia</i> infestation.

IN-FURROW APPLICATION RATES

Row Spacing	1.0 lb. rate per acre	1.5 lb. rate per acre
	Ounces Product / 1000 Row Ft.	Ounces Product / 1000 Row Ft.
40" Row	1.22 oz.	1.83 oz.
38" Row	1.16 oz.	1.74 oz.
36" Row	1.10 oz.	1.65 oz.
34" Row	1.04 oz.	1.55 oz.
32" Row	0.98 oz.	1.46 oz.

Application and Calibration Techniques for Sprinkler Irrigation (For Peanuts Only)

Apply this product only through center pivot, motorized lateral move, traveling gun, solid set, or portable (wheel move, side roll, end tow, or hand move) irrigation system(s). Do not apply this product through any other type of irrigation system. Crop injury, lack of effectiveness, or illegal pesticide residues in the crop can result from non-uniform distribution of treated water. If you have questions about calibration, you should contact State Extension Service specialists, equipment manufacturers, or other experts.

Do not apply this product through irrigation systems connected to a public water system. 'Public water system' means a system for the provision to the public of piped water for human consumption if such system has at least 15 service connections or regularly serves an average of at least 25 individuals daily at least 60 days per year.

A person knowledgeable of the irrigation system and responsible for its operation shall be present so as to discontinue pesticide injection and make necessary adjustments, should the need arise.

The system must contain a functional check valve, vacuum relief valve, and low pressure drain appropriately located on the irrigation pipeline to prevent water source contamination from back flow.

The pesticide injection pipeline must contain a functional, automatic, quick-closing check valve to prevent the flow of fluid back toward the injection pump.

The pesticide injection pipeline must also contain a functional, normally closed, solenoid-operated valve located on the intake side of the injection pump and connected to the system interlock to prevent fluid from being withdrawn from the supply tank when the irrigation system is either automatically or manually shut down.

The system must contain functional interlocking controls to automatically shut off the pesticide injection pump when the water pump motor stops.

The irrigation line or water pump must include a functional pressure switch which will stop the water pump motor when the water pressure decreases to the point where pesticide distribution is adversely affected.

Systems must use a metering pump, such as a positive displacement injection pump (e.g., diaphragm pump) effectively designed and constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock.

Spray mixture in the chemical supply tank must be agitated at all times, otherwise settling and uneven application may occur. Do not apply when wind speed favors drift beyond the area intended for treatment.

This product may be used through two basic types of sprinkler irrigation systems as outlined in Sections A and B below. Determine which type of system is in place, then refer to the appropriate directions provided for each type.

A. Center Pivot, Motorized Lateral Move and Traveling Gun Irrigation Equipment

For injection of pesticides, these continuously moving systems must use a positive displacement injection pump, of either diaphragm or piston type, constructed of materials that are compatible with pesticides and capable of being fitted with a system interlock and capable of injection at pressures approximately 2-3 times those encountered within the irrigation water line. Venturi applicator units cannot be used on these systems. Thoroughly mix recommended amount of this product for acreage to be covered into same amount of water used during calibration and inject into system continuously for one revolution or run. Mixture in the chemical supply tank must be continuously agitated during the injection run. Shut off injection equipment after one revolution or run, but continue to operate irrigation system until this product has been cleared from last sprinkler head.

B. Solid Set and Portable (Wheel Move, Side Roll, End Tow, or Hand Move) Irrigation Equipment

With stationary systems, an effectively designed in-line Venturi applicator unit is preferred which is constructed of materials that are compatible with pesticides; however, a positive-displacement pump can also be used. Determine acreage covered by sprinkler. Fill tank of injection equipment with water and adjust flow to use contents over a thirty to forty-five minute period. Mix desired amount of this product for acreage to be covered with water so that the total mixture of this product plus water in the injection tank is equal to the quantity of water used during calibration, and operate entire system at normal pressures recommended by the manufacturer of injection equipment used, for amount of time established during calibration. Agitation is recommended. This product can be injected at the beginning or end of the irrigation cycle or as a separate application. Stop injection equipment after treatment is completed and continue to operate irrigation system until this product has been cleared from last sprinkler head.

Endangered Species

Restrictions in the State of Arkansas:

The use of Moncut 50-W (flutolanil) on rice is restricted to protect the endangered fat pocketbook pearly mussel (*Potamilus capax*) and its habitat. Use is prohibited in the following areas of Arkansas:

Mississippi County: Within the basin that drains directly into the Right Hand Chute of Little River, south of Big Lake National Refuge.

Poinsett County: Between Crowley's Ridge and the levee east of the Right Hand Chute of Little River and the St. Francis Floodway. Use is also prohibited west of Rt. 140 and north of Rt. 63 at the SIPHON near Marked Tree, except that the prohibited area does not include the area bounded by Arkansas Highway 373 on the west, Highway 63 on the east and Highway 14 on the south.

Cross, St. Francis, and Lee Counties: Between Crowley's Ridge and the levee east of the Right Hand Chute of Little River and the St. Francis Floodway as far south as the confluence of L'Anguille River (Lee County).

STORAGE AND DISPOSAL

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

Pesticide Storage: Store in a cool, dry place.

Pesticide Disposal: Do not contaminate water, food, or feed by storage or disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

Container Handling: Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by 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 should 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.

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