

*This is the current NY and CA approved version.

All other registered states: please go back to the website, click VIEW LABEL

GROUP U6 FUNGICIDE



For Agricultural Use Only

ACTIVE INGREDIENT: cyflufenamid;	% BY WT.
(Z)-N-(α -cyclopropylmethoxyimino-2,3-difluoro-6-trifluoromethylbenzyl)-2-phenylacetamide	10%
Other Ingredients	90%
Total	100%

Contains 0.85 lbs of cyflufenamid active ingredient per gallon

KEEP OUT OF REACH OF CHILDREN CAUTION

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.)

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"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to by a poison control center or doctor. • Do not give anything to an unconscious person
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. • Call a poison control center or doctor for treatment advice.
IF INHALED:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. • Call a poison control center or doctor for further treatment advice.
HOT LINE NUMBER	
For MEDICAL EMERGENCIES call 1-888-478-0798. Have the product container or label with you when calling a poison center or doctor or going for treatment.	
NOTE TO PHYSICIAN	
There is no specific antidote. All treatments should be based on observed signs and symptoms of distress in the patient. Overexposure to materials other than this product may have occurred.	

Net Contents: _____

EPA Reg. No. 8033-103-10163
EPA Est. No.



Produced For:
Gowan Company
P.O. Box 5569
Yuma, AZ 85366-5569

PRECAUTIONARY STATEMENTS
HAZARD TO HUMANS AND DOMESTIC ANIMALS
CAUTION

Harmful if absorbed through skin. Harmful if swallowed. Avoid contact with skin, eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear long-sleeved shirt and long pants, shoes plus socks, and chemical-resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If there are no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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 wash hands before eating, 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 PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates. Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

This product may contaminate water through runoff. This product has a potential for runoff for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. 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 for contamination of water from rainfall-runoff. Runoff of this product will be reduced by avoiding applications when rainfall is forecasted to occur within 48 hours.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read the entire label before using this product.

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 intervals. 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 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, and chemical-resistant gloves.

COMPATIBILITY

Torino Fungicide, when diluted with an equal volume of water, is physically compatible with a wide range of commonly used spray products, but the full range of compatibilities under local conditions is not known. Therefore, it is essential that before using Torino Fungicide in any tank mixture the compatibility of the mixture be established. Add a small amount of this product to an equal volume of water in a small container and then add the other pesticide or spray product and mix thoroughly. **DO NOT USE MIXTURES THAT CURDLE, PRECIPITATE, OR GREASE. FOR BEST RESULTS, SPRAY MIXTURES SHOULD BE USED IMMEDIATELY AFTER MIXING WITH ADEQUATE AGITATION.**

DIRECTIONS FOR AERIAL OR GROUND SPRAY APPLICATION

Torino Fungicide is a 10% suspension concentrate for the control of powdery mildew on the crops listed on this label. Thorough spray coverage is essential for optimal performance. Use adequate spray volume to ensure complete coverage of foliage.

Users must read, understand, and follow the label use rates and restrictions. Minimum label rates may be used under low disease pressure conditions while maximum label rates and shortened spray intervals are recommended under high disease pressure. For application, determine the number of acres to be treated, the recommended label use rate, and the spray volume per acre. Prepare only the amount of spray solution that is necessary to spray the measured acres. Calibrate spray equipment prior to use.

Ground Application: For optimal disease control use thorough spray coverage. Good spray coverage is a function of spray pressure, spray volume per acre, nozzle type and spacing and application equipment speed. Calibrate spray equipment prior to use.

Aerial Application: Apply in a minimum of 5 GPA for row crops and 10 GPA for orchard crops. Do not apply under conditions when uniform coverage cannot be obtained or when excessive spray drift may occur.

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.
- For all applications, applicators are required to use a medium droplet size (ASABE S572.1).
- The boom length must not exceed 65% of the wingspan for airplanes or 75% of the rotor blade diameter for helicopters.
- Applicators must use ½ swath displacement upwind at the downwind edge of the field.
- Nozzles must be oriented so the spray is directed toward the back of the aircraft.
- Do not apply when wind speeds exceed 10 miles per hour at the application site.
- Do not apply during temperature inversions.

Ground Applications

- Apply with the nozzle height recommended by the manufacturer, but no more than 3 feet above the ground or crop canopy.
- For all applications, applicators are required to use a medium droplet size (ASABE S572.1).
- Do not apply when wind speeds exceed 10 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, nozzles should be oriented parallel with the airflow in flight.
- BOOM HEIGHT - Ground Boom
Use the lowest boom height that is compatible with the spray nozzles that will provide uniform coverage. 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. When applying aerially to crops, do not release spray at a height greater than 10 ft above the crop canopy, unless a greater application height is necessary for pilot safety.
- 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 generally 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.

MIXING INSTRUCTIONS

Mixing and Application Instructions for Torino Fungicide

Torino Fungicide is a liquid suspension concentrate formulation that readily disperses in water to form a spray mixture, which may be applied by ground or air.

1. Plan ahead. Prepare only enough spray mixture as can be applied on the day of mixing.
2. Fill tank 1/4 -1/2 full with the required amount of total spray volume of water.
3. Shake the product container well before using. Begin agitation and add product.
4. Continue to fill tank.
5. Allow mixing in tank for 2 minutes after filling or until thoroughly mixed before applying.
6. Maintain continuous agitation during mixing and application to assure uniform suspension. If mixture sits without agitation for

extended periods, agitate the mixture for at least 10 minutes before use.

7. Equip spray system with a 50-mesh inline filter, which will protect nozzles that are typically used. Nozzles may also be equipped with 50-mesh nozzle filters or 25 to 50 mesh (equivalent) slotted nozzle filters.

8. Torino Fungicide may be unstable in water pH below 4 and above 9. If necessary, buffer water to obtain optimum pH range.

Special Instructions for Tank Mixing Torino Fungicide

It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.

When tank mixing Torino Fungicide with other products, introduce the products into the tank in the following order: (1) water soluble packets (2) wettable powders (3) water dispersible granules (4) flowable liquids (such as Torino Fungicide) (5) emulsifiable concentrates and (6) adjuvants and/or oils. Always allow each product to fully disperse before adding the next product.

The use of adjuvants or additives may enhance the fungicide performance of Torino Fungicide under some conditions. Local environmental conditions may affect crop tolerance. Since all possible tank mix combinations have not been examined, test the combination on a small section of the crop to be sprayed to ensure that injury will not occur as a result of application. Consult a Gowan Company representative, local agricultural authorities, or local extension service for more information and recommendations on adjuvants and additives.

APPLICATION INSTRUCTIONS

ROW CROPS

Apply a minimum finished spray volume of 5 gallons per acre by air or 20 gallons per acre by ground unless otherwise directed under crop specific directions. For best results, it is important to obtain thorough and uniform spray coverage of the plant. For aerial application, select nozzles and pressure that deliver **MEDIUM** spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572.

To clean the sprayer after use, drain and flush with water. Use rinsate on crop according to label instructions or dispose of in an approved manner (See STORAGE AND DISPOSAL).

ORCHARD AND VINE CROPS

To achieve optimum pest control, it is important to obtain thorough and uniform spray coverage. Choose a finished spray volume appropriate for the size of tree or vine and amount of foliage which will provide thorough coverage throughout the canopy. Also follow recommendations listed under crop specific directions. For aerial application, select nozzles and pressure that deliver **MEDIUM** spray droplets as indicated in nozzle manufacturer's catalogs and in accordance with ASAE Standard S-572. Aerial applications may not provide as thorough coverage as ground applications and subsequently disease control may be reduced.

To clean the sprayer after use, drain and flush with water. Use rinsate on crop according to label instructions or dispose of in an approved manner (See STORAGE AND DISPOSAL).

CHEMIGATION

Do not apply this product through any type of irrigation system.

DISEASE RESISTANCE MANAGEMENT

For resistance management, Torino Fungicide contains a Group U6 fungicide. Any fungal population may contain individuals naturally resistant to Torino Fungicide and other Group U6 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Appropriate resistance management strategies should be followed.

To delay fungicide resistance consider:

1. Avoiding the consecutive use of Torino Fungicide or other Group U6 fungicides that have a similar target site of action on the same pathogens.
2. Using tank-mixtures or premixes with fungicides from different target site of action Groups as long as the involved products are all registered for the same use and are both effective at the tank mix or prepack rate on the pathogen(s) of concern.
3. Basing fungicide use on a comprehensive IPM program.
4. Monitoring treated fungal populations for loss of field efficacy.
5. Contacting your local extension specialist, certified crop advisor, and/or the manufacturer for fungicide resistance management and/or IPM recommendations for specific crops and resistant pathogens.

RESTRICTIONS

- Do not plant back any crop other than those on this label within 30 days following the last application.

CHERRIES (within Crop Group 12-12A)

SITE	DISEASE	TORINO FUNGICIDE (oz/acre) [POUNDS ACTIVE]	USE DIRECTIONS	RESTRICTIONS
CHERRIES Capulin, black, Nanking, sweet, tart, cultivars, varieties, and/or hybrids of these	Powdery mildew	6.0 - 8.0 [0.040 - 0.053]	Begin application at first sign of disease development.	Do not make more than two (2) applications per year. Do not apply more than once every seven (7) days. Do not exceed a total of 0.106 lbs. active ingredient (16.0 oz of product) per acre per calendar year. Do not apply within six (6) days of harvest; (PHI = 6 days)

CUCURBIT VEGETABLES – (within Crop Group 9)

SITE	DISEASE	TORINO FUNGICIDE (oz/acre) [POUNDS ACTIVE]	USE DIRECTIONS	RESTRICTIONS
CUCURBIT VEGETABLES including but not limited to Pumpkin, Squash (summer and winter), Watermelon, and other melons such as Chayote (fruit), Chinese waxgourd (Chinese preserving melon), Citron melon, Cucumber, Gherkin, Gourd (edible), <i>Mormordica</i> spp., Muskmelon (hybrid and/or cultivars of <i>Cucumis melo</i> including true cantaloupe, cantaloupe, casaba, chreshaw melon, golden pershaw melon, honeydew melon, honey balls, mango melon, Persian melon, pineapple melon, Santa Claus melon, and snake melon).	Powdery mildew	3.4 [0.022]	Begin application at first sign of disease development. For the control of other foliar cucurbit diseases, applications of registered fungicides should be made according to their label directions for use.	Do not make more than two (2) applications per year. Do not apply more than once every seven (7) days. Do not exceed a total of 0.044 lbs. active ingredient (6.8 oz of product) per acre per calendar year. Applications may be made up to and including the day of harvest; (PHI = 0 days).

FRUITING VEGETABLES (within Crop Group 8—10)

SITE	DISEASE	TORINO FUNGICIDE (oz/acre) [POUNDS ACTIVE]	USE DIRECTIONS	RESTRICTIONS
FRUITING VEGETABLES Cocona, Eggplant (including African, Pea and Scarlet), Garden huckleberry, Goji berry, Ground cherry, Martynia, Naranjilla, Okra, Pepino, Peppers (including bell and non-bell), Roselle, Sunberry, Tomatillo, and Tomatoes (including Bush, Currant, and Tree), and cultivars, varieties and/or hybrids of these.	Powdery mildew	3.4 [0.022]	Begin application at first sign of disease development.	Do not make more than three (3) applications per year. Do not apply more than once every fourteen (14) days. Do not exceed a total of 0.066 lbs. active ingredient (10.2 oz. product) per acre per calendar year. Applications may be made up to and including the day of harvest; (PHI = 0 days)

**GRAPES – (within Crop Group 13-07F)
and small fruit vine climbing crop subgroup except fuzzy kiwifruit**

SITE	DISEASE	TORINO FUNGICIDE (oz/acre) [POUNDS ACTIVE]	RECOMMENDED SPRAY INTERVAL (DAYS)	USE DIRECTIONS	RESTRICTIONS
GRAPES Amur river grape; gooseberry; kiwifruit, hardy; maypop; schisandra berry; cultivars varieties, and/or hybrids	Powdery mildew	3.4 [0.022]	14 – 21	Begin application at first sign of disease development. For the control of other foliar diseases of grapes, applications of registered fungicides should be made according to their label directions for use.	Do not make more than two (2) applications per year. Do not apply more than once every 14 days. Do not exceed a total of 0.044 lbs. active ingredient (6.8 oz of product) per acre per calendar year. Do not apply within three (3) days of harvest; (PHI = 3 days).

HOPS

SITE	DISEASE	TORINO FUNGICIDE (oz/acre) [POUNDS ACTIVE]	USE DIRECTIONS	RESTRICTIONS
HOPS	Powdery mildew	6.0 - 8.0 [0.040 - 0.053]	Begin application at first sign of disease development.	Do not make more than two (2) applications per year. Do not apply more than once every seven (7) days. Do not exceed a total of 0.106 lbs. active ingredient (16.0 oz product) per acre per calendar year. Do not apply within six (6) days of harvest (PHI = 6 days)

POME FRUIT – (within Crop Group 11)

SITE	DISEASE	TORINO FUNGICIDE (oz/acre) [POUNDS ACTIVE]	USE DIRECTIONS	RESTRICTIONS
POME FRUIT apple, pear, crabapple, loquat, mayhaw, Quince, Oriental pear	Powdery mildew	1 application at 6.8 [0.044]	Begin application at first sign of disease development. For the control of other foliar diseases of pome fruit applications of registered fungicides should be made according to their label directions for use.	Do not make more than one (1) application at the 6.8 oz. product rate per calendar year. Do not exceed a total of 0.044 lbs. active ingredient (6.8 oz of product) per acre per calendar year. Do not apply within 14 days of harvest; (PHI = 14 days).

STRAWBERRIES AND OTHER LOW GROWING BERRIES – (within Crop Group 13-07G except cranberries)

SITE	DISEASE	TORINO FUNGICIDE (oz/acre) [POUNDS ACTIVE]	USE DIRECTIONS	RESTRICTIONS
STRAWBERRIES AND OTHER LOW GROWING BERRIES (except cranberries): Bearberry; Bilberry; Lowbush Blueberry; Cloudberry, Lingonberry; Muntries; Partridgeberry; and cultivars, varieties, and/or hybrids of these.	Powdery mildew	3.4 [0.022]	Begin application at first sign of disease development. For the control of other foliar diseases of strawberries and other low growing berries, applications of registered fungicides should be made according to their label directions for use.	Do not make more than two (2) applications per year. Do not apply more than once every 14 days. Do not exceed a total of 0.044 lbs. active ingredient (6.8 oz of product) per acre per calendar year. Applications may be made up to and including the day of harvest; (PHI = 0 days).

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store unused product in original container only, out of reach of children and animals.

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

CONTAINER DISPOSAL:

Non-refillable container (5 gallons or less). Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents in application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK, OR FIRE), CALL CHEMTREC (800) 424-9300

**For other product information, contact Gowan Company
or see Material Safety Data Sheet**

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Gowan Company. To the extent consistent with applicable law, all such risks shall be assumed by the Buyer and User.

Gowan Company warrants that this product conforms to the specifications on the label when used in strict conformance with Directions for Use, subject to the above stated risk limitations. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT GOWAN COMPANY'S SOLE DISCRETION.

Torino® is a registered trademark of Nippon Soda Company, Ltd.

01-R1018