



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

November 5, 2018

Ms. Patricia McFadden
Registration Manager
Sipcam Agro USA, Inc.
2525 Meridian Parkway, Suite 350
Durham, NC 27713

Subject: Notification per PRN 98-10 – Revise mode of action box
Product Name: Sipcam Fluazinam 40
EPA Registration Number: 60063-71
Application Date: September 20, 2018
Decision Number: 544613

Dear Ms. McFadden:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped “Notification” and will be placed in our records.

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.

If you have any questions, you may contact BeWanda Alexander at (703)347-0313 or via email at alexander.bewanda@epa.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Erik Kraft". The signature is fluid and cursive, with a large initial "E" and a long, sweeping tail.

Erik Kraft, Product Manager 24
Fungicide and Herbicide Branch
Registration Division (7505P)
Office of Pesticide Programs

FLUAZINAM	GROUP	29	FUNGICIDE HERBICIDE
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Sipcam Fluazinam 40

[Alternate brand names: Downforce, Downforce Fungicide, Downforce ETQ, Downforce Fungicide ETQ]
[For control of listed diseases on Turf grasses on Golf Courses]

Active Ingredient:	By Weight
Fluazinam: 3-chloro-N-[3-chloro-2,6-dinitro-4-trifluoromethyl) phenyl]- 5-trifluoromethyl-2-pyridinamine (CA)	40.0%
Other Ingredients:	60.0%
TOTAL:	100.0%

Contains 4.24 lbs. active ingredient fluazinam per gallon (508 grams per liter).

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 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 do so by the poison control center or doctor. • Do not give anything by mouth to an unconscious person.
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 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 by mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
Emergency phone numbers	(800) 222-1222 Poison Control Center (human health) (800) 424-9300 CHEMTREC (transportation and spills)

EPA Reg. No. 60063-71 XX
Net Contents: _____ [gallons] [gal.] [] [L] [liters]]
[Lot number / Label Date Code]

EPA Est. No. _____
[Lot no. begins with xx]

Manufactured for:
Sipcam Agro USA, Inc.
2525 Meridian Parkway, Suite 350
Durham, NC 27713

NOTIFICATION
60063-71
The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:
11/05/2018

Read the [entire] label [carefully] before [using this product.] [opening the container].
See additional Precautionary Statements and Directions for Use inside [the] book[let].

OPTIONAL LANGUAGE FOR LABEL

[Pull][Peel] back [book] [label] here]

[Application Type T [Turf]]

[Formulated in the United States of America, with U.S. and imported ingredients.]

[Product of _____] [Note: if manufactured in a country other than U.S., country name will appear here]

[Fungicide]

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

CAUTION: Harmful if swallowed, absorbed through skin, or inhaled. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove contaminated clothing and wash before use.

Personal Protection Equipment (PPE)

Applicators and Other Handlers must wear:

- Coveralls worn over long-sleeved shirt, long pants,
- Chemical-resistant gloves made of any waterproof material (such as polyethylene or polyvinyl chloride),
- Protective eyewear,
- Chemical resistant footwear and socks

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. Do not allow contact of contaminated clothing with unprotected skin.

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

Engineering Control Statements

When handlers use closed systems or enclosed cabs 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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break down. Do not allow contact between contaminated sprayer parts and unprotected skin. Ensure sprayer is washed down daily.

USER SAFETY RECOMMENDATIONS

Users should:

- Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.
- 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.
- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove and wash contaminated clothing before reuse.

Environmental Hazards

This product is toxic to fish and aquatic invertebrates. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean highwater mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift from treated areas. Runoff and drift from treated areas may be hazardous to aquatic organisms in neighboring areas.

DIRECTIONS FOR USE

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

Failure to follow the use directions and precautions on this label may result in turf injury, poor disease control, and/or illegal residues.

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 State or Tribal agency responsible for pesticide regulation.

NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Turf grasses on golf courses are not within the scope of the Worker Protection Standard.

Do not enter treated areas until sprays have dried.

PRODUCT INFORMATION

This product is a broad-spectrum fungicide for use to control diseases of turf grasses on golf courses only. This product may be applied with all types of spray equipment normally used for ground applications on golf courses. Apply this product in sufficient water to obtain adequate uniform coverage of the turf. Apply in a minimum spray volume of 50 gal of water per acre.

USE RESTRICTIONS

- **DO NOT** apply this product to home lawns (turf) or any other residential turf.
- **DO NOT** apply this product by aerial application.
- **DO NOT** apply this product through any irrigation system.
- **DO NOT** apply this product within 25 feet of permanent water bodies (lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, and estuaries).
- **DO NOT** apply this product within 100 feet of any water bodies that connect with any off-site water bodies including freshwater lakes, ponds, rivers, streams or wetlands in the State of New York.
- **DO NOT** apply this product when the wind direction is toward aquatic areas to minimize drift to these areas.
- **DO NOT** exceed 253 fl. oz. of this product (8.4 lbs. active ingredient) per acre per year.
- **DO NOT** apply more than twelve (12) applications at 0.5 fl. oz. (0.017 lbs. active ingredient) /1000 sq. ft. per year.
- **DO NOT enter treated areas until sprays have dried.**
- For most diseases, **DO NOT** make a repeat application less than 14 days after the previous application. See disease chart for retreatment intervals (application intervals) for specified diseases.

Where states have more stringent regulations, they must be observed.

**AVOIDING SPRAY DRIFT AT THE APPLICATION SITE
IS THE RESPONSIBILITY OF THE APPLICATOR**

The interaction of many equipment and weather-related factors determine the potential for spray drift. The applicator is responsible for considering all these factors when making decisions.

INTEGRATED PEST MANAGEMENT

This product is an excellent disease control agent when used according to label directions for control of a broad spectrum of listed plant diseases. This product is for use in programs which are compatible with the principles of Integrated Pest Management (IPM), which may include the use of disease resistant crop varieties, cultural practices, biological control agents, pest scouting and disease forecasting systems aimed at preventing economic pest damage and reducing unnecessary applications of pesticides. Practices known to reduce disease development should be followed. Consult your state cooperative extension service or local agricultural authorities for additional IPM strategies established in your area. This product may be used in State Agricultural Extension advisory (disease forecasting) programs that recommend application timing based on environmental factors which favor disease development.

RESISTANCE MANAGEMENT INFORMATION

For resistance management, Sipcam Fluazinam 40 contains a Group 29 fungicide. Any fungal population may contain individuals naturally resistant to Sipcam Fluazinam 40 and other Group 29 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/bactericide resistance, take one or more of the following steps:

- Rotate the use of Sipcam Fluazinam 40 or other Group 28 fungicides within a growing season sequence with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group that are equally effective on the target pest when such use is permitted. Use at least the minimum application rate as labeled by the manufacturer.
- Adopt an integrated disease management program for fungicide use that includes scouting, uses historical information related to pesticide use, and crop rotation, and which considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.
- Where possible, make use of predictive disease models to effectively time fungicide applications. Note that using predictive models alone is not sufficient to manage resistance.
- Monitor treated fungal/bacterial populations for resistance development.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

This product has a multi-site mode of action that disrupts the energy production in the fungus. It is listed in FRAC code 29, as an uncoupler of oxidative phosphorylation. Some other fungicides, which are at risk from disease resistance, exhibit a single-site mode of fungicidal action. This product, with its multi-site mode of action, may be used to prevent or delay the development of resistance to single-site fungicides when used as a tank-mix partner or alternated in a disease management program. This product has demonstrated excellent control of *Sclerotinia homeocarpa*, *Lanzia* and *Moellerodiscus* strains (causing Dollar Spot) that are insensitive to several classes of fungicides.

PLANT SAFETY

NOTE TO USER: Although this product has been evaluated on several turf species with no indication of phytotoxicity, neither the manufacturer nor seller has determined whether or not this product can be used safely on all turf species. The professional user needs to determine if this product can be used safely prior to commercial use by testing on the type of turf to be treated at specified rates for phytotoxicity.

MIXING AND SPRAYING

This product can be used effectively in dilute sprays. Thorough, uniform coverage is essential for disease

control.

NOTE: Slowly invert container several times to assure uniform mixture.

Prepare only the amount of spray mixture required for immediate use. Thoroughly clean spray equipment before using this product. Vigorous agitation is necessary for proper dispersal of the product. Maintain maximum agitation throughout the spraying operation. Do not allow spray mixture to stand overnight or for prolonged periods in the spray tank. Spraying equipment must be thoroughly cleaned immediately after the application.

Product Alone: Fill the spray tank with half of the required amount of water with the agitator running, add this product to the spray tank. Continue agitation while adding the remainder of the water. Begin application of the solution after this product has completely dispersed into the mix water. Maintain agitation until all the mixture has been applied.

Tank Mixtures: 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. This product is physically compatible with many products used for control of diseases, liquid fertilizers, growth regulators, insecticides and biological control products. If tank mixes are desired, read and follow all directions, precautions, and limitations on labeling of all products used. This product must not be mixed with any product which prohibits such mixing. It is the applicator's responsibility to ensure that the companion product is EPA approved for use on the intended site. Tank mixtures or other applications of products referenced on this label are permitted only in those states in which the referenced products are registered.

This product is generally compatible with the products mentioned above, provided sufficient free water is available for dispersion of all the tank mix products. However, the physical compatibility of this product with tank mix partners must be evaluated before use. A jar test must be conducted with the intended tank-mix products prior to preparation of large volumes. Use the following procedure:

Jar Compatibility Test:

1. Pour the specified proportions of the products into a suitable container of water;
2. Mix thoroughly; and
3. Allow to stand for 5 minutes.

If the combination remains mixed or can be re-mixed readily, it is considered physically compatible. Any physical incompatibility in the jar test indicates that this product must not be used in the tank mix.

Consult compatibility charts or your local or state agricultural authorities for additional compatibility information.

To prepare spray solution:

- Add ½ of the required amount of water to the mix/sprayer tank.
- Start the agitator running before adding any tank mix partners.
- Add the tank mix partners in the following order:
 - Products packaged in water-soluble packaging;
 - Wettable powders;
 - Wettable granules (dry flowables);
 - Liquid flowables (such as this product);
 - Liquids; and
 - Emulsifiable concentrates

- Always allow each tank mix partner to become fully dispersed before adding the next product.
- Provide sufficient agitation while adding the remainder of the water.
- Maintain agitation until all the mixture has been applied.
- When using this product in tank mixtures, add all products in water-soluble packaging to the tank before any other tank mix partner, including this product.
- Allow the water-soluble packaging to completely dissolve and the product(s) to completely disperse before adding any other tank mix partner to the tank.
- Use a pump with capacity to maintain the correct rated pressure for the nozzles selected.
- Maintain sufficient agitation to keep mixture in suspension.
- Use a jet agitator, liquid sparge tube, or mechanical paddle for agitation.
- Use screens to prevent nozzles from clogging. Use 50-mesh or coarser screens placed after the tank and before the nozzles. Check nozzle manufacturer's directions.
- For more information on spray equipment and calibration, consult with sprayer manufacturers and state advisements.

TURFGRASS DISEASE CONTROL

1. Use this product in a Preventative Disease Control Program.
2. Apply in sufficient water to ensure thorough coverage.
3. Apply after mowing or allow sprayed area to completely dry before mowing.
4. For control of foliar diseases, allow sprayed area to completely dry before irrigation.
5. For optimum turf quality and disease control, use this product in conjunction with turf management practices that promote good plant health and optimum disease control.
6. Evaluate spray additives prior to use. Label directions are based on data obtained with no additives.
7. Before use of any fungicide, proper diagnosis of the organism causing the disease is important. Use of diagnostic kits or other means of identification of the disease organism is essential to determine the best control measures.

Disease	Use Instructions
Dollar Spot <i>Sclerotinia homeocarpa</i> <i>Lanzia</i> spp. <i>Moellerodiscus</i> spp.	Application Interval =14 days Rate = 0.5 fl. oz. product/1000 sq. ft. (0.017 lbs. active ingredient) Apply as a preventative disease program, starting when conditions become favorable for disease. For broad spectrum disease control or for control greater than 14 days, tank mix with the labeled rate of another fungicide labeled for control of this disease
Leaf spot, Melting-out, Brown blight <i>Drechslera</i> spp. (including <i>D. poae</i> , <i>D. siccans</i>)	Application Interval =14 days Rate = 0.5 fl. oz. product/1000 sq. ft. (0.017 lbs. active ingredient) Apply when conditions become favorable for disease. For broad spectrum disease control tank mix with the labeled rate of another fungicide labeled for control of these diseases
Brown patch Large patch <i>Rhizoctonia solani</i>	Application Interval =14 days Rate = 0.5 fl. oz. product/1000 sq. ft. (0.017 lbs. active ingredient) Begin applications in May or June before disease is present for Brown patch. To control Large patch, apply in fall when temperature drops below 70°F. For broad spectrum control or for control greater than 14 days, tank mix with the labeled rate of another fungicide labeled for control of these diseases.
Red Thread <i>Laetisaria fuciformis</i>	Application Interval =14 days Rate = 0.5 fl. oz. product/1000 sq. ft. (0.017 lbs. active ingredient) Apply when conditions become favorable for disease.
Anthracnose <i>Colletotrichum cereal</i>	Application Interval =14 days Rate = 0.5 fl. oz. product/1000 sq. ft. (0.017 lbs. active ingredient) Applications should be made prior to infection. Alternate or tank mix this product with another fungicide for anthracnose disease prevention. When tank mixing this product for control of anthracnose, all tank mix components must be used at the labeled rate.
Gray Snow Mold <i>Typhula</i> spp. Pink Snow Mold <i>Microdochium nivale</i>	Application Interval = Late Fall Rate = 0.5 fl. oz. product/1000 sq. ft. (0.017 lbs. active ingredient) Apply one to two applications in the late fall before snow cover. Do not apply on top of the snow. For optimum disease control, tank mix with the labeled rate of another fungicide labeled for control of these diseases.
Pink patch <i>Microdochium nivale</i>	Application Interval =14 days Rate = 0.5 fl. oz. product/1000 sq. ft. (0.017 lbs. active ingredient) Apply in the fall or early spring when conditions are favorable for disease development. For optimum disease control, tank mix with the labeled rate of another fungicide approved for control of this disease.
Stem rust <i>Puccinia graminis</i> var. <i>graminicola</i>	Application Interval =14 days Rate = 0.5 fl. oz. product/1000 sq. ft. (0.017 lbs. active ingredient) Apply on a preventative schedule when disease conditions are favorable (cool and

Disease	Use Instructions
	cloudy weather).
Algal scum (filamentous blue-green algae/cyanobacteria)	Application Interval =14 days Rate = 0.5 fl. oz. product/1000 sq. ft. (0.017 lbs. active ingredient) This product should be tank mixed with another fungicide labeled for control of this disease, including mancozeb. When tank mixing this product for control of algal scum, all tank mix components must be used at the labeled rate.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in original container in a secured, cool, dry place separate from food and feed. **DO NOT** store near heat or open flame.

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

CONTAINER HANDLING [Nonrefillable containers less than or equal to 5 Gallons]:

Non-refillable container. DO NOT reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into 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. Then offer for recycling, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

Container Handling [greater than 5 gallons]

Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container or pressure rinse (or equivalent) promptly after emptying.

Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

Pressure rinse as follows: Empty the remaining contents into application equipment or a mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container, and rinse at about 40 psi for at least 30 seconds. Drain for 10 seconds after the flow begins to drip. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration.

WARRANTY AND LIMITATION OF DAMAGES

CONDITIONS OF SALE: To the extent consistent with applicable law, Sipcam Agro USA, Inc. warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Sipcam Agro USA, Inc. SIPCAM AGRO USA, INC. DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF FITNESS OR MERCHANTABILITY. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SIPCAM AGRO USA, INC. SHALL NOT BE LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, AND SIPCAM AGRO USA, INC.'S SOLE LIABILITY AND BUYER'S AND USER'S EXCLUSIVE REMEDY SHALL BE LIMITED TO THE REFUND OF THE PURCHASE PRICE. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER AND USER ACKNOWLEDGE AND ASSUME ALL RISKS AND LIABILITY RESULTING FROM HANDLING, STORAGE AND USE OF THIS PRODUCT. SIPCAM AGRO USA, INC. DOES NOT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE ANY OTHER WARRANTY, GUARANTEE OR REPRESENTATION CONCERNING THIS PRODUCT.