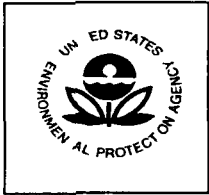


71512-20

6/29/2012

1048



U S ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (7505P)  
Ariel Rios Building  
1200 Pennsylvania Ave NW  
Washington D C 20460

EPA Reg  
Number  
71512 20

Date of Issuance  
JUN 29 2012

NOTICE OF PESTICIDE  
 Registration  
 Reregistration  
(under FIFRA as amended)

Term of Issuance Unconditional

Name of Pesticide Product  
FLUAZINAM TURF  
FUNGICIDE

Name and Address of Registrant (include ZIP Code)

Mike Peplowski  
ISK Biosciences Corporation  
7470 Auburn Road Suite A  
Concord Ohio 44077

Note Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce In any correspondence on this product always refer to the above EPA registration number

On the basis of information furnished by the registrant the above named pesticide is hereby registered under the Federal Insecticide Fungicide and Rodenticide Act Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency In order to protect health and the environment the Administrator on his motion may at any time suspend or cancel the registration of a pesticide in accordance with the Act The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others

This product is unconditionally registered in accordance with FIFRA sec 3(c)(5) provided that you

1 Submit and/or cite all data required for registration of your product under FIFRA Section 3(c)(5) when the Agency requires all registrants of similar products to submit such data

2 Submit one copy of the final printed label within 30 days from the date of this notice which makes the following change

A Change the EPA Reg Number to 71512 20

If these conditions are not complied with the registration will be subject to cancellation in accordance with FIFRA Section 6(e) Your release for shipment of the product constitutes acceptance of these conditions

A copy of the label stamped Accepted is enclosed for your records

Signature of Approving Official

*Cynthia Giles Parker*  
Cynthia Giles Parker Chief  
Fungicide Branch  
Registration Division (7504P)

Date

JUN 29 2012



**FLUAZINAM TURF FUNGICIDE**

ACTIVE INGREDIENT Fluazinam*	40.0%
OTHER INGREDIENTS	60.0%
Total	100.0%

\*3 chloro N [3 chloro 2,6 dimitro 4 trifluoromethyl)phenyl] 5 trifluoromethyl 2 pyridinamine (CA)

Contains 4.17 pounds Fluazinam Per Gallon (500 grams per liter)

**KEEP OUT OF REACH OF CHILDREN**

**WARNING - A VISO**

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.)

**See side panel for additional precautionary statements**

**Read entire label carefully and use only as directed**

**ISK Biosciences Corporation**  
7470 Auburn Road Suite A  
Concord Ohio 44077

EPA Reg No 71512 XXX

Active ingredient made in Korea

Formulated in USA

Net Contents 2.5 Gallons

EPA Est. No. <b>ACCEPTED</b> JUN 29 2012
Under the Federal Insecticide Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg No. 71512-20

2018

<b>FIRST AID</b>	
<b>If on skin</b>	<ul style="list-style-type: none"> <li>Take off contaminated clothing</li> <li>Rinse skin immediately with plenty of water for 15-20 minutes</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
<b>If in eyes</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15-20 minutes</li> <li>Remove contact lenses if present after the first 5 minutes then continue rinsing eye</li> <li>Call a poison control center or doctor for treatment advice</li> </ul>
<b>If inhaled</b>	<ul style="list-style-type: none"> <li>Move person to fresh air</li> <li>If person is not breathing call 911 or an ambulance then give artificial respiration preferably by mouth to mouth if possible</li> <li>Call a poison control center or doctor for further treatment advice</li> </ul>
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice</li> <li>Have person sip a glass of water if able to swallow</li> <li>Do not induce vomiting unless told to do so by the poison control center or doctor</li> <li>Do not give anything by mouth to an unconscious person</li> </ul>
<p><b>NOTE TO PHYSICIAN</b></p> <p>Probable mucosal damage may contraindicate the use of gastric lavage</p> <p>Have the product container or label with you when calling a poison control center or doctor or going for treatment</p>	
<p><b>HOT LINE NUMBER</b></p> <p><b>For 24 Hour Medical Emergency Assistance</b> Call 1 888 484 7546</p> <p><b>For Chemical Emergency Spill, Leak, Fire or Accident, Call</b> CHEMTREC 1 800 424 9300</p>	

## PRECAUTIONARY STATEMENTS

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

#### **WARNING - AVISO**

Causes skin irritation Harmful if absorbed through skin Causes moderate eye irritation Harmful if inhaled or swallowed Do not get on skin or on clothing Avoid contact with eyes 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 Remove contaminated clothing and wash before use Do not take internally

#### **Personal Protective Equipment (PPE)**

Some materials that are chemical resistant to this product are listed below If you want more options follow the instructions for Category A on an EPA chemical resistance category selection chart

#### **Applicators and other handlers must wear**

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

When mixing and loading or when cleaning equipment also wear a chemical resistant apron Mixer/loaders must wear a dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC 21C) or a NIOSH approved respirator with an N R P or HE filter

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 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 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 immediately if pesticide gets inside Then wash thoroughly and put on clean clothing

#### **ENVIRONMENTAL HAZARDS**

This product 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 cleaning equipment or disposing of equipment wash waters 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

#### **STORAGE AND DISPOSAL**

DO NOT contaminate water food or feed by storage or disposal

**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** 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** Non refillable container DO NOT reuse or refill this container 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 ¼ 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 if available or puncture and dispose of in a sanitary landfill or by incineration or if allowed by state and local authorities by burning If burned stay out of smoke

#### **WARRANTY AND LIMITATION OF DAMAGES**

Seller warrants to those persons lawfully acquiring title to this product that at the time of first sale of this product by Seller that this product conformed to its chemical description and was reasonably fit for the purposes stated on the label when used in accordance with Seller's directions under normal conditions of use and Buyers and users of this product assume the risk of any use contrary to such directions TO THE EXTENT CONSISTENT WITH APPLICABLE LAW EXCEPT AS PROVIDED ELSEWHERE IN WRITING CONTAINING AN EXPRESS REFERENCE TO THIS WARRANTY AND LIMITATION OF DAMAGES SELLER MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OR GUARANTY, OF FITNESS OR OF MERCHANTABILITY AND NO AGENT OF SELLER IS AUTHORIZED TO DO SO To the extent consistent with applicable law in no event shall Seller's liability for any breach of warranty or guaranty exceed the purchase price of the product as to which a claim is made Buyers and users of this product are responsible for all loss or damage from use or handling of this product which results from conditions beyond the control of Seller including but not limited to incompatibility with other products unless otherwise expressly provided in Directions for Use of this product weather conditions cultural

practices moisture conditions or other environmental conditions outside of the ranges that are generally recognized as being conducive to good agricultural and/or horticultural practices

#### **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 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 or allow others to enter the treated area until sprays have dried

#### **GENERAL INFORMATION**

Fluazinam Turf is a broad spectrum fungicide for use to control diseases of turf grasses on golf courses only

#### **Use Restrictions and Precautions**

- Do Not apply Fluazinam Turf to home lawns (turf) or any other residential turf
- Do Not apply Fluazinam Turf by aerial application
- Do Not apply Fluazinam Turf through any irrigation system
- Do Not apply Fluazinam Turf within 25 feet of permanent water bodies (lakes reservoirs rivers streams marshes or natural ponds and estuaries)

- Do Not apply Fluazinam Turf when the wind direction is toward aquatic areas to minimize drift to these areas

Fluazinam Turf may be applied with all types of spray equipment normally used for ground applications on golf courses

**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 Where states have more stringent regulations they must be observed

### **INTEGRATED PEST MANAGEMENT**

Fluazinam Turf is an excellent disease control agent when used according to label directions for control of a broad spectrum of listed plant diseases Fluazinam Turf is recommended 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 Fluazinam Turf 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**

Some plant pathogens are known to develop resistance to products used repeatedly for disease control Fluazinam Turf is effective for strategic use in fungicide disease management programs that attempt to minimize disease resistance to fungicides Fluazinam Turf 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 Fluazinam Turf 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

Fluazinam Turf has demonstrated excellent control of *Sclerotinia homeocarpa* *Lanzia* and *Moellerodiscus* strains (causing Dollar Spot) that are insensitive to several classes of fungicides

Consult with your Federal or State Cooperative Extension Service representatives for guidance on the proper use of Fluazinam Turf in programs that seek to minimize the occurrence of disease resistance to other fungicides Fluazinam Turf is an excellent partner for those products that specify the use of a protectant or other fungicide that has a different mode of action

### **PLANT TOLERANCE**

Note to User Although Fluazinam Turf has been evaluated on several turf species with no indication of phytotoxicity neither the manufacturer nor seller has determined whether or not Fluazinam Turf can be used safely on all turf species The professional user should determine if Fluazinam Turf can be used safely prior to commercial use by testing on the type of turf to be treated at recommended rates for phytotoxicity

### **MIXING AND SPRAYING**

Fluazinam Turf 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 should be thoroughly cleaned immediately after the application

**Fluazinam Turf Alone** Fill the spray tank with half of the required amount of water with the agitator running add Fluazinam Turf to the spray tank Continue agitation while adding the remainder of the water Begin application of the solution after Fluazinam Turf has completely dispersed into the mixture Maintain agitation until all of the mixture has been applied

**Tank Mixtures** Fluazinam Turf is physically compatible with many products recommended 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

Fluazinam Turf 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 Fluazinam Turf with tank mix partners should be evaluated before use A jar test should be conducted with intended tank mix products prior to preparation of large volumes Use the following procedure 1) Pour the recommended 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 Fluazinam Turf should 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 fill 1/2 of the required amount of water to the mix/ sprayer tank Start the agitator running before adding any tank mix partners In general add tank mix partners in this order products packaged in water soluble packaging wettable powders wettable granules (dry flowables) liquid flowables (such as Fluazinam Turf) 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 of the mixture has been applied

When using Fluazinam Turf in tank mixtures add all products in water soluble packaging to the tank before any other tank mix partner including Fluazinam Turf 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 recommendations For more information on spray equipment and calibration consult sprayer manufacturers and state recommendations

Apply Fluazinam Turf in sufficient water to obtain adequate uniform coverage of the turf Apply in a minimum spray volume of 40 gal of water per acre on fairways and 90 gal of water per acre on tees and greens

### **Turfgrass Disease Control**

- 1 Use Fluazinam Turf 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 Fluazinam Turf 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
- 8 DO NOT exceed 258 fl oz of Fluazinam Turf (8.4 pounds active ingredient) per acre per season
- 9 DO NOT apply more than twelve (12) applications at 21.5 fl oz per acre (0.5 fl oz/1000 sq ft) per season

**FLUAZINAM TURF USE RATE**

Diseases Controlled Pathogen(s)	Application Interval (days)	Rate fl oz product/ 1000 sq ft	Instructions for Use on Golf Course Tees, Greens, Fairways and Roughs
Dollar Spot <i>Sclerotinia homeocarpa</i> <i>Lanzia</i> spp <i>Moellerodiscus</i> spp	14	0.5	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 tanks mix with a label rate of one of the following fungicides: Banner MAXX® Headway® Concert®
Leaf spot Melting out Brown blight <i>Drechslera</i> spp (including <i>D. poae</i> <i>D. siccans</i> )	14	0.5	Apply when conditions become favorable for disease. For broad spectrum disease control tank mix with a label rate of one of the following fungicides: Banner MAXX Headway or Concert
Brown patch Large patch <i>Rhizoctonia solani</i>	14	0.5	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 label rates of one of the following fungicides: Banner MAXX Heritage® 50WG Heritage® TL Headway
Red Thread <i>Laetisaria fuciformis</i>	14	0.5	Apply when conditions become favorable for disease
Anthracnose <i>Colletotrichum cereale</i>	14	0.5	Applications should be made prior to infection. Alternate or mix Fluzazinam Turf with another fungicide for anthracnose disease prevention. Fluzazinam Turf should be mixed with another fungicide such as: Daconil WeatherStik® Daconil Ultrex® Banner MAXX Medallion® Headway Concert Renown® Instrata®

Diseases Controlled Pathogen(s)	Application Interval (days)	Rate fl oz product/ 1000 sq ft	Instructions for Use on Golf Course Tees, Greens, Fairways and Roughs (Continued)
Gray Snow Mold <i>Typhula</i> spp  Pink Snow Mold <i>Microdochium nivale</i>	Late Fall	0.5	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 label rates of one of the following fungicides: Banner MAXX Heritage Headway Medallion Instrata
Pink patch <i>Microdochium nivale</i>	14	0.5	Apply in the fall or early spring when conditions are favorable for disease development. For optimum disease control tank mix with label rates of one of the following fungicides: Banner MAXX Heritage Headway Medallion Instrata
Stem rust <i>Puccinia graminis</i> var <i>graminicola</i>	14	0.5	Apply on a preventative schedule when disease conditions are favorable (cool & cloudy weather)
Algal scum (filamentous blue green algae/cyanobacteria)	14	0.5	Fluazinam 500F should be tank mixed with another fungicide such as: Daconil WeatherStik Daconil Ultrex Daconil Zn Concert Renown

Daconil Ultrex®, Daconil WeatherStik®, and Daconil Zn® are registered trademarks of GB Biosciences Corporation. Concert®, Heritage 50WG®, Heritage TL®, Headway®, Medallion®, Banner MAXX®, Renown®, and Instrata® are registered trademarks of a Syngenta Group Company.

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