



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460**

**OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION**

September 8, 2021

Ms. Nancy Huebl
Sr. Registration Specialist
Wellmark International
1500 East Woodfield Rd. 200W
Schaumburg, Ill. 60173

Subject: Labeling Notification per Pesticide Registration Notice (PRN) 98-10 – Adding storage/disposal text for containers 5 gallons and over
Product Name: RF-9811 EC
EPA Registration Number: 2724-427
Application Date: 8-18-21
OPP Submission Number: 1073902
OPP Case Number: 00317171

Dear Ms. Huebl:

The U.S. Environmental Protection Agency (EPA) is in receipt of your application for notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Biopesticides and Pollution Prevention Division (BPPD) 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 labeling submitted with this application has been stamped “Notification” and will be placed in our records. You must submit one (1) copy of the final printed labeling with the modifications.

Should you wish to add/retain a reference to your company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and is subject to review by the EPA. If the website is false or misleading, the product will be considered to be misbranded and sale or distribution of the product is unlawful under FIFRA section 12(a)(1)(E). 40 CFR § 156.10(a)(5) lists examples of statements the 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 EPA find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA-approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance Assurance.

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If you have any questions, please contact Nina Naimy via email at naimy.nina@epa.gov.

Sincerely,

A handwritten signature in blue ink that reads "Andrew C. Bryceland". The signature is fluid and cursive, with a long horizontal stroke at the end.

Andrew Bryceland, Team Leader
Biochemical Pesticides Branch
Biopesticides and Pollution
Prevention Division (7511P)
Office of Pesticide Programs

Enclosure

[Optional text – claims text appearing in brackets is optional text]

NOTIFICATION

2724-427

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:

09/08/2021

**MASTER LABEL
RF-9811 EC**

SUBLABEL A

Alternate Brand Name: DIANEX® Emulsifiable Concentrate for Tobacco

[An Insect Growth Regulator]

For protection of stored tobacco from damage by Cigarette Beetle and Tobacco Moth

An Insect Growth Regulator to Control Tobacco Processing and Storage Facilities Insect Pests

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6).....33.6%

OTHER INGREDIENTS*:.....66.4%

Total:100.0%

*Contains petroleum distillates

This product contains 2.5 lbs/gallon (288 grams/liter) (S)-methoprene active ingredient

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for Additional Precautionary Statements

EPA Reg. No. 2724-427

EPA Est. No. 2724-TX-1

NET CONTENTS: 1 liter (33.8 fl oz)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID	
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 eyes.• Call a poison control center or doctor for treatment advice.
If on skin	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">• Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Wellmark at 1-800-248-7763 (24 hr/7 days) for emergency medical treatment information.	
NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

INTRODUCTION: RF-9811 EC is an emulsifiable formulation of the insect growth regulator, (S)-methoprene. It is designed for use in aerosol generators and as a concentrate for use as an aqueous spray. (S)-methoprene, unlike traditional pesticides, does not immediately kill insects; instead, it interferes with the normal processes of insect development and prevents adult emergence. RF-9811 EC, when used according to label directions, controls these and other [complete metamorphic] insect pests [that pupate][that are affected by Insect Growth Regulators (IGR's)]:

Almond moth (*Ephestia cautella*)

Cigarette beetle (*Lasioderma serricornis*)

Sawtooth grain beetle (*Oryzaephilus surinamensis*)

Red flour beetle (*Tribolium castaneum*)

Tobacco moth (*Ephestia elutella*)

Indian meal moth (*Plodia interpunctella*)

Lesser grain borer (*Rhyzopertha dominica*)

Merchant grain beetle (*Oryzaephilus mercator*)

Confused flour beetle (*Tribolium confusum*)

Warehouse beetle (*Trogoderma* spp.)

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply directly to tobacco being processed. Do not use this product in or on electrical equipment due to the possibility of shock hazard.

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.

Do not remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray or fog mist to settle before re-entry into the area.

Application with Aerosol Generators: Apply RF-9811 EC as a mist or aerosol. Dilute with water as required following the instructions of the spray equipment manufacturer. As a surface treatment, apply RF-9811 EC at the rate of 1 ml per 1,000 square feet. For fogging applications, use 3 ml per 10,000 cubic feet.

Close room or warehouse and shut off all ventilating systems. Apply the product as a fine mist in the air above the trays, shelves, and in areas where dust may accumulate. Do not remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray mist to settle before re-entry. Repeat application as required to suppress pest populations.

Application as an Aqueous Spray: To prepare a diluted spray solution, fill the mixing container with ½ gallon water, add 1 ml of RF-9811 EC, mix, and complete filling with a total of 1 gallon of water. Apply at a rate of 1 gallon of diluted solution per 1,000 square feet of surface area with any low-pressure sprayer typically used for indoor applications. Treat all areas which may harbor insect pests. Use diluted spray solution within 72 hours of mixing. Agitate before each use. Repeat application as required to suppress pest populations.

STORAGE and DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. **Pesticide Storage** - Store in a cool dry place. **Pesticide Disposal** - Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal** - Nonrefillable container. Do not reuse or refill this container. Clean container 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 CONDITIONS OF SALE

To the extent consistent with applicable law, seller makes no warranty concerning the use and handling of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

DIANEX® is a registered trademark of Wellmark International.

Wellmark International
1501 East Woodfield Road 200W
Schaumburg IL 60173

Made in USA

For product information call 1-800-248-7763, M-F, 8 am – 5 pm CST.

SUBLABEL B

Alternate Brand Names: DIACON® II, RIZACON™, DIACON® IGR

[An Insect Growth Regulator]

To Control Insects in Stored Food Commodities, such as Cereal Grains, Grain Sorghum (Milo), Legumes, Canola, Corn, Popcorn, Birdseed, Peanuts, Sunflower Seeds, Animal Feeds

Approved for use on all grains, spices, feeds, and seeds, including commodities for human (animal) consumption
[to control insect pests in seeds]

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6).....33.6%

OTHER INGREDIENTS*:66.4%

Total:100.0%

*Contains petroleum distillates

This product contains 2.5 lbs/gallon (288 grams/liter) (S)-methoprene active ingredient

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for Additional Precautionary Statements

EPA Reg. No. 2724-427

EPA Est. No. 2724-TX-1

NET CONTENTS: 1 liter (33.8 fl oz)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID	
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 eyes.• Call a poison control center or doctor for treatment advice.
If on skin	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">• Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Wellmark at 1-800-248-7763 (24 hrs/7 days) for emergency medical treatment information.	
NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

GENERAL INFORMATION: (S)-methoprene, the active ingredient in DIACON®, protects stored grains, agricultural commodities, seed, and animal feeds from damaging insects by interfering with the normal process of insect development. Unlike traditional pesticides, DIACON® is not an adulticide, but its residual activity prevents the development of larvae into adults. When used according to the label directions, DIACON® inhibits growth of larvae of these insects : [(almond moth), (Indian meal moth), (cigarette beetle), (lesser grain borer), (sawtooth grain beetle), (merchant grain beetle), (red flour beetle), and (confused flour beetle)] and other [complete metamorphic] insect pests [that pupate][that are affected by Insect Growth Regulators (IGR's)]. Treat existing insect populations with an adulticide, then apply DIACON® for residual protection.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Apply DIACON® to any food commodity (including but not limited to: cereal grains, corn, sunflower, canola, legumes, popcorn, wheat, spices, sorghum, rice, cocoa, peanuts, oats, millet and processed or non-processed commodities readied for packaging) for control of insect larvae. DIACON® may also be used to treat bulk or bagged pet food, livestock feed components and finished livestock feed, birdseed, or any other dry animal feed. DIACON® may be applied to any seed stock. Treated commodities may be processed immediately.

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.

Do not remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray or fog mist to settle before re-entry into the area.

DIRECTIONS FOR TREATMENT OF GRAIN BEING STORED:

For protection of stored food, grain, animal feed, seeds used for oil, and seed stock against insects - for optimum results, thoroughly clean and treat storage areas prior to storing commodities.

DILUTION INSTRUCTIONS:

DIACON® may be diluted in water, or FDA-approved food grade oils, or soybean oil. Final water or oil dilution volume is 5 gallons of liquid per 1,000 bushels of grain and 10 gallons of liquid per 1,000 bushels of rice (or 21 fl oz per ton for grain, or 42 fl oz per ton for rice). Apply diluted product to the moving grain stream as a uniform coarse spray. Lower or greater volumes of diluent can be used but, it is important to assure that the commodity mass is uniformly treated. When using oil dilutions, apply at the oil manufacturer's label application rates. Agitate water or oil solutions to ensure thorough mixing.

Apply DIACON® in solution in accordance with the general directions, to stored products using the following tables as a guide. A range of rates for different commodities is provided for flexibility to address varying storage periods and conditions. DIACON® may be applied at any rate within the specified range indicated on the tables. However, for maximum residual activity, use higher rates; the lower application rates provide shorter residual activity.

APPLICATION RATES (PER 1,000 BUSHELS)

COMMODITY	fl oz	ml	fl oz	ml	fl oz	ml
Wheat	7	210	3.5	105	1.75	52
Corn	7	210	3.5	105	1.75	52
Sorghum (milo)	7	210	3.5	105	1.75	52
Barley	6	180	3.0	90	1.50	45
Rice	6	180	3.0	90	1.50	45
Oats	4	120	2.0	60	1.00	30
Peanuts*	4	120	2.0	60	1.00	30
Sunflower	4	120	2.0	60	1.00	30

*For peanuts, use water solution only

APPLICATION RATES (PER TON OF PRODUCT)

COMMODITY	fl oz	ml	fl oz	ml	fl oz	ml
Any	0.25	7.5	0.125	3.7	0.0625	1.8

To determine application rates for other commodities, contact your distributor or (the manufacturer) (Wellmark International)(Central Life Sciences).

USE NOTES

- Apply DIACON® grain protectant only to grain of known treatment history.
- Check spray equipment calibration regularly to ensure proper application rates.
- Add the measured amount of DIACON® to a spray tank filled with ½ gallon of water or oil, mix, and complete filling with specified quantity of diluent. Keep mixed solution out of direct sunlight.
- Agitate before each use.
- Pre-treat storage facilities before filling with DIACON®-treated commodities.
- DIACON® may be used In conjunction with aeration.
- DIACON® may be used in metering systems in conjunction with dust-controlling oils. Follow the equipment and oil manufacturers' directions; ensure that the label rate of DIACON® is applied uniformly.
- Applications of DIACON® to finished animal feeds, birdseed, or other finished products DO NOT require package labeling since the application is made to control pests in the package and no other claims are made on the final packaging.
- DIACON® may be tank-mixed with a suitable adulticide in diluted solutions or when fogging. When tank-mixing Diacon® with an adulticide, the more stringent label will apply.
- DIACON® can be used with dust-controlling oils or finishing oils used in bird feed.

DIRECTIONS FOR TOP-DRESS TREATMENT OF STORED GRAIN:

Apply DIACON® as a top-dressing to stored products placed in bins or storage areas. For top-dressing application, spray or fog the bin headspace paying particular attention to the top of the commodity mass, beams, ceilings, and rafters. Thorough coverage of the bins or storage areas is essential for optimal results. For surface treatments, apply 1 ml (1/30 oz) of DIACON® per 1,000 square feet; or for space spray, apply 3 ml (1/10 oz) per 10,000 cubic feet in sufficient diluent to provide adequate coverage. Do not flood top-dress area.

DIRECTIONS FOR MIXING INTO BULK OR BAGGED ANIMAL FEEDS:

DIACON® is suitable to be used in the production of bulk or bagged animal feeds (including but not limited to: pet food, livestock feed, birdseed, and other animal feeds). Add 15-3.7 ml (0.5 to 0.125 fl oz) of DIACON® per ton of (animal feed)(product) with a sufficient diluent and mix to achieve thorough coverage.

DIRECTIONS FOR FOGGING OR SPRAYING:

DIACON® may also be used as a fogging concentrate or surface spray for the treatment of [complete metamorphic] insect pests [that pupate][that are affected by Insect Growth Regulators (IGR's)]: infesting warehouses, silos, storage bins or other stored commodity areas. Apply DIACON® in food processing, food service, food preparation, and food handling establishments including, mills, bakeries, restaurants, taverns, food storage facilities, meat and produce canneries, cafeterias, breweries, candy processing, pet food production, grocery stores, rail cars, ships, trucks, and trailers, cereal processing and bottling facilities. In addition to treating raw commodities and their processing facilities, apply DIACON® to packaged, canned, and bottled foodstuffs, as well as the packaging such as boxes, liners, and pallets. For application of DIACON® as a fogging or space spray, use the following directions.

Application with Aerosol Generators: Apply DIACON® as an ultra low volume (ULV) mist or aerosol. Dilute with water or oil as required following the instructions of the spray equipment manufacturer. Apply DIACON® at the rate of 1 ml (1/30 oz) per 1,000 square feet of surface area or 3 ml (1/10 oz) per 10,000 cubic feet. Use appropriate spray equipment, such as mechanical break up cold aerosol generators or thermal foggers, to achieve uniform coverage.

Close room or warehouse and shut off all ventilating systems. Apply the product as a fine mist in the air above the trays, shelves, and in areas where dust may accumulate. Do not remain in treated areas and ventilate before re-entry. Leave the room closed for 30 minutes to allow spray mist to settle before re-entry. Repeat application as required to suppress pest populations.

Application as an Aqueous Spray: To prepare a diluted spray solution, fill the mixing container with ½ gallon water, add 1 ml (1/30 fl oz) of DIACON®, mix, and complete filling with a total of 1 gallon of water. Apply at a rate of 1 gallon of diluted solution per 1,000 square feet of surface area with any low-pressure sprayer typically used for indoor applications. Treat all areas that may harbor insect pests. Agitate solution before each use. Repeat application as required to suppress pest populations.

STORAGE and DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. **Pesticide Storage** - Store in a cool dry place. **Pesticide Disposal** - Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal** - Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows. [For containers 5 gallons or less] 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. [For containers over 5 gallons] Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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 or reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures allowed by state and local authorities.

WARRANTY AND CONDITIONS OF SALE

To the extent consistent with applicable law, seller makes no warranty concerning the use and handling of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

DIACON and Rizacon are registered trademarks of Wellmark International.

Wellmark International
1501 East Woodfield Road 200W
Schaumburg IL 60173
Made in USA

For product information call 1-800-248-7763 M-F, 8 am – 5 pm CST.
Visit our Web site: www.diacon2.com

SUBLABEL C

Alternate Brand Name: APEX®

[An Insect Growth Regulator]
[to Prevent the Emergence of Adult Sciarid Flies In Mushroom Culture]

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6).....33.6%

OTHER INGREDIENTS*:.....66.4%

Total:100.0%

*Contains petroleum distillates

This product contains 2.5 lbs/gallon (288 grams/liter) (S)-methoprene active ingredient

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for Additional Precautionary Statements

EPA Reg. No. 2724-427

EPA Est. No. 2724-TX-1

NET CONTENTS: 1 liter (33.8 fl oz)

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

CAUTION: Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID	
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 eyes. • Call a poison control center or doctor for treatment advice.
If on skin	<ul style="list-style-type: none"> • Take off contaminated clothing. • Rinse skin immediately with plenty of water for 15-20 minutes. • Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none"> • Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Wellmark at 1-800-248-7763 (24 hrs/7 days) for emergency medical treatment information.	
NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

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 E on an EPA chemical resistance category selection chart. Applicators and other handlers must wear: long-sleeved shirt and long pants, shoes plus socks, chemical resistant gloves, such as neoprene rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), barrier laminate, or viton (≥ 14 mils). Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls 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 breakdown.

<p>User Safety Recommendations: Users should:</p> <ul style="list-style-type: none"> • 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, wash thoroughly and change into clean clothing.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR Part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

Exception: If the product is soil injected or soil incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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, such as neoprene rubber (≥ 14 mils), nitrile rubber (≥ 14 mils), barrier laminate, or viton (≥ 14 mils)
- Shoes plus socks

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

(S)-methoprene, the active ingredient in APEX® insect growth regulator (IGR) is a chemical analog of a natural insect hormone. Unlike traditional pesticides, the presence of (S)-methoprene does not result in immediate insect kill; it interferes with the normal process of insect development. APEX will prevent the emergence of adult sciarid flies when incorporated into the mushroom growing medium. Pupae and adults present at the time of application will not be affected. If high adult populations are present initially, use of a conventional adulticide will ensure the best overall results. Use an appropriately labeled adulticide to knock down the adult infestation prior to the application of APEX. After treatment with APEX, larvae will continue to develop to the pupal stage where they will die. Estimation of adult fly populations should be no earlier than 2 weeks after treatment to assess the full benefit of APEX.

COMPATIBILITY ON MUSHROOMS

In most cases, treatment with APEX has a beneficial effect on mushroom yield through control of damaging sciarid fly larvae. However, to determine if spotting or effect on yield may occur, the user should conduct test treatments on small plots.

METHOD, RATE, AND TIMING OF APPLICATION: For best results, incorporate APEX in the mushroom growing medium.

Follow either **METHOD A, METHOD B, METHOD C, OR METHOD D** Application Instructions.

A. INCORPORATE IN CASING AT TIME OF CASING

Apply APEX at the rate of 5½ fluid ounces per 1,000 sq ft. Apply evenly and mechanically mix into casing material prior to the casing operation, or drench evenly onto the surface of the casing immediately after placement.

B. INCORPORATE IN COMPOST AT TIME OF SPAWNING AND IN CASING AT TIME OF PLACEMENT OF CASING LAYER

In Compost: Apply APEX at the rate of 5½ fl oz/1,000 sq ft in adequate water for even distribution. Spray or sprinkle on the surface of compost at the time of spawning and thoroughly incorporate using a spawning machine or other suitable mechanical means.

In Casing: Apply APEX at the rate of 2¼ fl oz/1,000 sq ft. Apply evenly and mechanically mix into casing material prior to the casing operation, or drench evenly onto the surface of the casing immediately after setting it in place.

C. COMPOST SURFACE DRENCH BEFORE CASING AND IN CASING AT TIME OF PLACEMENT OF CASING LAYER

For those variety of mushrooms that have a 16-day or longer spawn run, use a split application.

First Application, on compost: Apply APEX 12-13 days after spawning. Drench APEX evenly on the surface at the rate of 2¾ fl oz/1,000 sq ft in adequate water for even distribution.

Second Application, in casing: Apply APEX at the rate of 2¾ fl oz/1,000 sq ft. Apply evenly and mechanically mix into casing material prior to the casing operation, or drench evenly onto the surface of the casing immediately after setting it in place.

D. INCORPORATE IN CASING AT TIME OF CASING FOLLOWED BY A SURFACE APPLICATION PRIOR TO FIRST BREAK OF MUSHROOMS

First Application, in casing: Apply 5½ fl. oz. APEX per 1,000 sq ft in adequate water for even distribution and mechanically mix into the casing material prior to the casing operation.

Second Application, on casing surface just prior to first break: Apply 2¾ fl. oz. APEX per 1,000 square feet in adequate water for even distribution as a surface drench prior to first break of mushrooms.

MIXING AND HANDLING INSTRUCTIONS

1. Add the measured amount of APEX to a spray tank partially filled with water, mix, and complete filling with specified quantity of water.
2. Use diluted spray solution within 72 hours of mixing. Agitate before each use.

STORAGE and DISPOSAL: Do not contaminate water, food, or feed by storage or disposal. **Pesticide Storage** - Store in a cool dry place. **Pesticide Disposal** - Wastes resulting from use of this product may be disposed of on site or at an approved waste disposal facility. **Container Disposal** - Nonrefillable container. Do not reuse or refill this container. Clean container 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 CONDITIONS OF SALE

To the extent consistent with applicable law, seller makes no warranty concerning the use and handling of this product other than indicated on the label. To the extent consistent with applicable law, buyer assumes all risks of use and handling of this material when such use and handling are contrary to label instructions.

APEX is a registered trademark of Wellmark International.

Wellmark International
1501 East Woodfield Road 200W
Schaumburg IL 60173

Made in USA

For product information , call 1-800-248-7763 M-F, 8 am – 5 pm CST
Visit our Web site: www.wellmarkinternational.com

SUBLABEL D

Alternate Brand Name: STRIKE® Ultra Professional Midge Control

[An Insect Growth Regulator]
[to Prevent the Emergence of Adult Filter Flies and Non-biting Midges in Waste Water Treatment Facilities]

ACTIVE INGREDIENT:

(S)-Methoprene (CAS #65733-16-6).....33.6%

OTHER INGREDIENTS*:.....66.4%

Total:100.0%

*Contains petroleum distillates

This product contains 2.5 lbs/gallon (288 grams/liter) (S)-methoprene active ingredient

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Back Panel for Additional Precautionary Statements

EPA Reg. No. 2724-427

EPA Est. No. 2724-TX-1

NET CONTENTS: 1 liter (33.8 fl oz)
2.5 liters (.66 gal)

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION: Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin, or clothing. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

FIRST AID	
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 eyes.• Call a poison control center or doctor for treatment advice.
If on skin	<ul style="list-style-type: none">• Take off contaminated clothing.• Rinse skin immediately with plenty of water for 15-20 minutes.• Call a poison control center or doctor for treatment advice.
If swallowed	<ul style="list-style-type: none">• Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give ANY liquid to the person. Do not give anything by mouth to an unconscious person.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact Wellmark at 1-800-248-7763 (24 hrs/7 days) for emergency medical treatment information.	
NOTE TO PHYSICIAN: Contains petroleum distillate – vomiting may cause aspiration pneumonia.	

ENVIRONMENTAL HAZARDS: Do not contaminate water when disposing of rinsate or equipment washwaters.

INTRODUCTION:

RF-9811 EC is a unique product that controls filter flies (*Psychoda* spp.), non-biting midges (*Chironomidae*), and other nuisance aquatic insect species infesting waste water treatment facilities. RF-9811 EC contains an insect growth regulator (IGR) that is effective on the developing stages of insect pests. RF-9811 EC does not kill adults but affects the larval stages as they grow and develop. RF-9811 EC stops the formation of pupae of insect pests, thereby controlling adult populations. Continued use of the product prevents these pests from rebounding into unmanageable infestations.

DIRECTIONS FOR USE: It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

MIXING AND HANDLING INSTRUCTIONS:

Partially fill spray container with water; then add the specified amount of RF-9811 EC, agitate, and complete filling with water. Agitate mildly during application. To agitate use recirculation pump, mixer, air pump, or other suitable equipment.

USE APPLICATIONS

Waste Water Treatment Facility Pests: Use RF-9811 EC in trickling filters, sludge drying beds, clarifiers, holding ponds, lagoons, influent structures, stagnant or standing water, or areas of waste water treatment facilities where non-biting midges, filter flies, and other nuisance aquatic insect pests are a problem.

What to Expect in Waste Water Treatment Facilities

Continuous Flow Sewage (waste water)

In order to achieve effective results, apply RF-9811 EC daily for 10 days. If applications are not made on a continuous basis, erratic results may occur. Following initial applications of RF-9811 EC, a gradual reduction in the number of adult pests will be seen over approximately a 1 week period. Reduction in adult populations will be noticeable within a 2 week period following continuous application. Due to varying weather or climate conditions or heavy infestations, a longer period may be necessary to achieve control. Since RF-9811 EC prevents adult emergence, existing adults and pupae present at the time of initial application will not be affected.

If application of RF-9811 EC is halted following population suppression, rebound of the population can be expected within 2 to 3 weeks after stopping application. For continuous suppression throughout the pest season, continue applications of RF-9811 EC.

Sludge or Solid Waste Applications

For solid waste applications, use 3 ounces per million gallons of sludge or solids . Apply dilution until the drying beds have been filled. Following filling of the drying beds, halt the application. Apply the dilution at the influent side as the sludge or solids enter the drying beds.

METHODS OF APPLICATION

Waste Water Treatment Facilities: Dilute RF-9811 EC with water prior to use. Apply RF-9811 EC by using a metering pump, drip bucket, or other suitable equipment. Metering pumps are the most efficient and accurate method of application. The application method will influence appropriate product dilution. Prepare the desired volume of dilution to apply over a 6-8 hour period , or in cases of sludge beds, apply until the beds have been filled. When using delivery devices, calibrate the device to deliver the required amount of RF-9811 EC over a 6-8 hour period.

APPLICATION RATE

Waste Water Treatment Pests:

Initial Application – Apply 3.0 ounces of RF-9811 EC per 1 million gallons of sewage (waste water) in sufficient water to apply uniformly at the influent side .

Application to Waste Water – Trickling Filter: Apply 3 ounces of RF-9811 EC per 1 million gallons of sewage [waste water] in sufficient water to uniformly apply the material. Apply at times of low periods of flow (typically evening through early morning hours) for 6-8 hours. Discontinue treatment during peak flow periods and repeat applications the following day during the low flow period. Continue this application method for 10 days or until suppression of pests is achieved. Once suppression is achieved, repeat the application every 15 days or as necessary to control pests.

APPLICATION SITES

Waste Water Treatment Facilities: Apply RF-9811 EC to sewage as it flows into trickling filters, sludge drying beds, clarifiers, holding ponds, lagoons, influent structures, stagnant or standing water, or other areas of waste water facilities where pests are a problem.

Apply RF-9811 EC as the sewage enters (influent areas) the targeted processing area. For best results, apply at the influent side.

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