

655-784 ( 8/14/2012 ( 1/0

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D C 20460-0001



OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

Prentiss, Inc  
c/o Sharon M Johnston, Authorized Agent  
509 Tower Valley Drive  
Hillsboro, MO 63050

AUG 14 2012

Subject Amended Reregistration Label  
Product Name Fog and Mill Spray  
EPA Registration Number 655-784  
EPA Decision Numbers 411743, 411074

Dear Ms Johnston

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all of the information submitted with your application to support the reregistration of the above referenced product in connection with the Piperonyl Butoxide and Pyrethrins RED, and has concluded that your submission is acceptable

NOTE This product is not being reregistered under sections 3(c)5 and 4(g) of FIFRA at this time

Please be reminded that 40 CFR Part 156 140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on non-refillable containers. The code may appear either on the label or durably marked on the container itself, and can be added by non-notification per PRN 98-10

Please note that the record for this product currently contains the Confidential Statements of Formulation (CSFs) listed below. Any previously dated CSFs are superseded

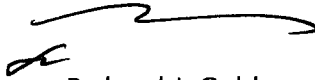
- Basic & Alternate CSF #1, both dated August 25, 2010

A copy of your label stamped "Accepted" is enclosed along with copies of the acute toxicity and product chemistry reviews completed for the subject product. Products shipped after 12 months from the date of this amendment or the next printing of the label whichever occurs first, must bear the new revised label. Your release for shipment of the product bearing the amended label constitutes acceptance of these conditions. If these conditions are not

complied with, the registration will be subject to cancellation in accordance with FIFRA sec 6(e)

If you have any questions about this letter, please contact Samantha Hulkower at 703-603-0683 or hulkower.samantha@epa.gov

Sincerely,



Richard J Gebken  
Product Manager (10)  
Insecticide Branch  
Registration Division (7504P)

*Enclosures*    *Label stamped "Accepted," dated AUG 14 2012*  
*Acute Toxicity Review, dated November 12, 2010*  
*Product Chemistry Review, dated October 4, 2011*



# FOG and MILL SPRAY

**ACTIVE INGREDIENTS**

Piperonyl Butoxide*	1.5%
Pyrethrins	0.3%

**OTHER INGREDIENTS\*\***

	<u>98.2%</u>
<b>TOTAL</b>	<b>100.0%</b>

\*(butylcarbityl)(6 propylpiperonyl) ether and related compounds

\*\*Contains Petroleum Distillates

PRENTOX® Registered Trademark of Prentiss Incorporated

<b>KEEP OUT OF REACH OF CHILDREN</b>	
<b>CAUTION</b>	
<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Immediately call a Poison Control Center or physician</li> <li>• Do not induce vomiting unless told to do so by the Poison Control Center or physician</li> <li>• Do not give any liquid to the person</li> <li>• Do not give anything by mouth to an unconscious or convulsing person</li> </ul>
Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may contact 1 800 222 1222 for emergency medical treatment information. You may also contact the National Pesticide Telecommunication Network at 1 800 858 7378 for information including health concerns, medical emergencies or pesticide incidents.	
<b>NOTE TO PHYSICIAN</b> Contains petroleum distillate – vomiting may cause aspiration pneumonia	
<b>SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS AND DIRECTIONS FOR USE</b>	

EPA Reg No 655 784

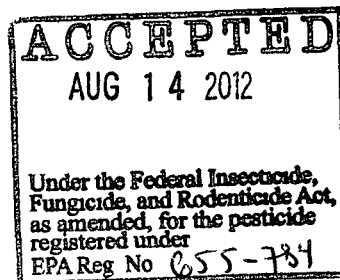
EPA Est No

NET CONTENT \_\_\_\_\_

LOT # \_\_\_\_\_

Manufactured by

**PRENTISS, LLC**  
 2155 West Croft Circle 3600  
 Spartanburg SC 29302



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

**CAUTION** Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals

**Personal Protective Equipment (PPE)**

Mixers loaders applicators and other handler must wear the following

- long sleeve shirt
- long pants
- shoes and socks

In addition to the above PPE applicators using high pressure hand wand in an enclosed area must wear at least a NIOSH approved with

- a dust/mist filter with MSHA/NIOSH approval number prefix TC 21C or
- any R P or HE filter

In addition to the above PPE applicators using hand held foggers in an enclosed area must wear a half face full face or hood style NIOSH approved respirator with

- a dust/mist filter with MSHA/NIOSH approval number prefix TC 21C or
- a canister approved for pesticides (MSHA/NIOSH approval number prefix TC 14G) or
- a cartridge or canister with any R P or HE filter

**User Safety Requirements** 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

Discard clothing and other absorbent material that have been drenched or heavily contaminated with this product Do not reuse them

**User Safety Recommendations**

User should wash hands before eating drinking chewing gum using tobacco or using the toilet

User should remove clothing/PPE immediately if pesticide gets inside Then wash thoroughly and put on clean clothing

Users should 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

**ENVIRONMENTAL HAZARDS FOR TERRESTRIAL APPLICATIONS**

This product is toxic to aquatic organisms including fish and invertebrates 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

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds Do not apply this product or allow it to drift to blooming crops or weeds while bees are actively visiting the treatment area

Except as specified in the directions for use do not apply directly to water 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 wash waters or rinsate

**ENVIRONMENTAL HAZARDS FOR WIDE AREA MOSQUITO ADULTICIDE APPLICATIONS**

This pesticide is toxic to aquatic organisms including fish and invertebrates Runoff from treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates

When applying as a wide area mosquito adulticide before making the first application in a season it is advisable to consult with the state or tribal agency with primary responsibility for pesticide regulation to determine if other regulatory requirements exist

This product is highly toxic to bees exposed to direct treatment on blooming crops or weeds Do not apply when bees are visiting the treatment area except when applications are made to prevent or control a threat to public and/or animal health determined by a state tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito borne disease in animal or human populations or if specifically approved by the state or tribe during a natural disaster recovery effort

When applying as a wide area mosquito adulticide do not apply over bodies of water (lakes rivers permanent streams natural ponds commercial fish ponds swamps marshes or estuaries) except when necessary to target areas where adult mosquitoes are present and weather conditions will facilitate movement of applied material away from the water in order to minimize incidental deposition into the water body

{For containers equal to or greater than 5 gallons} Do not discharge effluent containing this product into lakes streams ponds estuaries oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority For guidance contact your State Water Board or Regional Office of the EPA Do not contaminate water when disposing of equipment wash waters Apply this product only as specified on this label

**DIRECTIONS FOR USE**

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

**General Precautions & Use Restrictions**

- Read all directions and cautions before using this product Apply only as specified on this label
- Remove or cover exposed food and drinking water before application
- Remove or cover dishes utensils food processing equipment and food preparation surfaces or wash them before use
- Remove pets and birds and cover fish aquariums before spraying
- Do not make space spray applications in food handling or processing facilities when the facilities are in operation Cover or remove food
- Cover food processing surfaces or clean after treatment and before use
- Indoor metered release device Not for use in Residential areas Do not use in nurseries or rooms where infants ill or aged persons are confined Do not place metering device directly over or within 8 feet of exposed food dishes utensils food processing equipment and food handling or preparation Do not install within 3 feet of air vents Carefully follow directions for dispenser unit when installing the dispenser and replacing cans or conducting maintenance The maximum application rate for metered release device is 0.00046 lb pyrethrin per 1000 cubic Feet
- Do not apply directly into sewers or drains or to any area like a gutter where drainage to storm sewers water bodies or aquatic habitat can occur Do not allow the product to enter any drain during or after application
- Except when applying as a mosquito adulticide do not enter or allow others to enter until sprays have dried and vapors mists and aerosols have dispersed and the treated area has been thoroughly ventilated
- Except when applying as a mosquito adulticide 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
- After space spraying do not remain in treated area Exit area immediately and remain outside the treated area until aerosols vapors and/or mists have dispersed
- When used in dairy barns or facilities Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects
- Remove or cover milking utensils before application Wash teats of animals before milking
- Not for use in outdoor residential mosquito misting systems
- For surface treatment of stored grain and seed Do not reapply within 30 days
- Do not use in aircraft cabins except in compliance with PR Notice 96.3
- Do not make applications during rain
- Do not wet plants to point of runoff or drip
- Do not water the treated area to the point of run off

When used according to directions Prentox Fog and Mill Spray is a ready to use insecticide for application as a thermal fog space spray and surface spray in residences institutions public buildings hospitals hotels restaurants stores theaters food processing plants bakeries grain mills dairies breweries bottling plants warehouses trucks and other type of situations where a pyrethrum type insecticide is required to kill the accessible exposed stages of flies fruitflies mosquitoes silverfish roaches ants crickets gnats spiders wasps hornets small flying moths bedbugs clover mites cheese mites scorpions granary weevils rice weevils grain beetles spider beetles Cigarette beetles Drugstore beetles carpet beetles flour beetles meal worms grain mites Angoumois grain moths Mediterranean flour moths Indian meal moths Tobacco moths cheese skippers confused flour beetles and saw toothed grain beetles

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## INDOOR

**Thermal-Fogging and Space Spraying** Apply with equipment designed and adjusted to deliver a true aerosol mist (no droplets over 50 microns in diameter and 80% less than 30 microns) Close windows and doors and shut off ventilating systems Extinguish all open flames and pilot lights Apply at the rate of 2 ounces per 1 000 cu ft of space Direct the spray towards the ceiling and upper corners of the area and behind obstructions Keep the area closed for at least 15 minutes

The above described application will kill accessible exposed stages of flies fruit flies mosquitoes small flying moths gnats hornets clover mites cheese mites cheese skippers granary weevils rice weevils confused flour beetles saw toothed grain beetles spider beetles Cigarette beetles Drugstore beetles Angoumois grain moths Mediterranean flour moths Indian meal moths Tobacco moths meal worms and grain mites

**Stored grain and flour pests Prentox Fog and Mill Spray** is useful in mills elevators granaries warehouses food storages and other situations to kill exposed stages of those insects listed under fog and space spray directions Apply as a coarse droplet spray at 1 gallon per 750 sq ft paying particular attention to treatment of cracks and crevices in floors and walls

**For treatment of floors and bins Prentox Fog and Mill Spray** is effective against those insects listed under fog and space directions when used in a good sprayer adjusted to deliver a coarse droplet spray using approximately 1 gallon per 750 sq ft of surface

**In mills elevators and granaries** Spray floors walls and other surfaces of bins storage and handling area thoroughly with particular attention to cracks and crevices and similar protected locations Apply as a coarse droplet spray using 1 gallon per 750 sq ft of surface Waste grain dust dirt and debris should be removed and destroyed and storage areas cleaned before spraying Treat unloading handling and processing areas and apply the insecticide to conveying processing and handling equipment the inside of reel sifter purifier conveyors sifters roll housings and hoppers pickup conveyors etc Spray thoroughly around the base of heavy machinery and equipment beds boxcars and ship holds before loading

For in transit protection treat truck Also treat warehouses and food product storages apply to exposed surfaces as recommended above and spray cracks crevices recesses hiding and breeding areas Fully treat walls floors shelves and other exposed surfaces and lightly spray each layer of cartons or containers as stacked Apply as a coarse droplet spray using 1 gallon per 750 sq ft of surface

Infested stored products should be fumigated or treated by other effective methods using an approved product intended for this use

To kill exposed accessible stages of Indian meal moth and Angoumois grain moth in stored grain — Apply to the surface of the binned grain at a rate of 2 gallons per 1 000 square feet (1 6 pints per 100 square feet) Apply at monthly intervals beginning with the first appearance of moths and continue until early fall In case of severe infestation break up webbing with rake before spraying and make a second application in two weeks

**In barns milking parlors milkrooms and dairies** To kill flies mosquitoes and gnats apply as a fog or fine mist directing spray towards ceiling and upper corners until area is filled with mist using about 2 ounces per 1 000 cu ft of space For best results close doors and windows before spraying and keep them closed for 10 to 15 minutes Vacate the area and ventilate before reoccupying When treating for insects indoors sweep up and destroy all fallen insects following application

**Surface Spray** To kill roaches silverfish crickets spiders clover mites scorpions cheese mites cheese skippers spider beetles — use **Prentox Fog and Mill Spray** in a good sprayer adjusted to deliver a coarse droplet and apply at the rate of 1 gallon of material to cover 750 square feet of surface Spray infested areas thoroughly and direct the liquid behind baseboards moldings cabinets shelves sinks doors and window frames and pipes toward drains and dark corners and into cracks crevices recesses and similar hiding places

When treating for accessible stored product insects in homes destroy all infested products The shelves and doors should be cleaned thoroughly sprayed so as to contact all pests and covered with shelf paper after allowing shelves to dry When this product is used in warehouses granaries mills elevators and food storage situations to kill accessible stages of those pests listed apply liberally around and under pallets so as to directly contact the pests with spray

**Ants** Treat shelves cabinets and storage areas Spray ant runs trails baseboards thresholds and other places of entry and treat nests liberally

**Bedbugs** — Apply liberally to top ends sides and bottoms of mattresses Spray thoroughly all tufts seams and folds Spray springs mattresses box springs and frames Direct liquid into all cracks and lock joints Treat walls baseboards moldings floors closets bedroom furniture picture frames with particular attention to protected bedbug hiding and breeding places including all cracks and crevices about the bedroom Adequate control can only be obtained by repeated applications and direct contact of bedbugs with the spray Repeat applications as necessary to maintain control

**Carpent Beetles** — Apply to floor areas and baseboards Spray directly into cracks crevices and under carpets where insects may be found Treat both the underside and top side of infested carpet Spray inside of trunks closets and infested areas of shelving Repeat application as necessary

**Wasps** Application should be made in late evening when insects are at rest Spray into hiding and breeding places contacting as many insects as possible

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**Indoor Misting Systems Used in Commercial Barns, Stables and Animals Quarters**

Do not apply when food feed and/or water is present

When using this product installers and service technicians must comply with the license certification or registration requirements of the state(s) tribe(s) or local authority(ies) where they are installed

When applying via a remote activation device do not apply when people and pets are present If possible when applying via automatic timer see the timing for application when people and pets are unlikely to be present

Direct nozzles to spray towards the target area and away from areas where people are typically present

Do not use in an evaporative cooling system

Do not use in misters located within 3 feet of air vents air conditioner units or windows

If used in a system with a reservoir tank for the end use dilution the system reservoir tank must be locked Securely attach the end use pesticide label and a dilution statement to the system reservoir tank in a weather protected area or plastic sleeve

If used in a direct injection system the pesticide container must be locked Securely attach the end use label to the pesticide container in a weather protected area or plastic sleeve

The product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.000476 lb pyrethrins and 0.008 lbs piperonyl butoxide per 1000 cu ft per day This is equivalent to 3 oz of Prentox Fog and Mill Spray per 1000 cu ft per day

**OUTDOORS**

**Outdoor Metered Release Devices**

Directions for use in outdoor metered release devices

If the device works on an automatic timer set the timing for application when people pets and/or food are unlikely to be present

If the device works when a person operates a remote activation device then application of this pesticide when people pets and/or food are present is prohibited

Direct nozzle to spray towards the target area and away from areas where people are typically present

The pesticide container must be locked

Do not install within 3 feet of air vents air conditioner units or windows

Carefully follow directions for the dispenser unit when installing the dispenser and replacing cans or conducting maintenance

**MOSQUITO CONTROL**

For use by federal state tribal or local government officials responsible for public health or vector control or by persons certified in the appropriate category or otherwise authorized by the state or tribal lead pesticide regulatory agency to perform adult mosquito control applications or by persons under their direct supervision

Apply only when wind speed is greater than or equal to 1 mph

To control adult mosquitoes using ground application apply as a fine mist or fog at the rate of 1/2 gal per acre Shrubbery and vegetation around stagnant pools marshy areas ponds and shorelines may be treated Application of this product to any body of water is prohibited when used as an adult mosquitoicide Repeat once or twice a week With mobile or truck mounted equipment the above application rate will result if a 400 ft swath is treated traveling at 5 mph dispensing spray at a rate of 125 gallons per hour To control mosquito larvae dilute in oil at a rate of 1 part Prentox Fog and Mill Spray to 50 parts oil (5 pints in 16 gals) and apply at a rate of 20-25 gals per acre Apply as a coarse wet spray only to the border or in shallow water of wetlands swamps and marshes where mosquito larvae are known to breed Do not exceed this dosage or fish kill may result

The maximum application rate for wide area mosquito adulticide applications is 0.0025 lbs pyrethrin/acre or 0.025 lbs piperonyl butoxide/acre whichever is lower When targeting *Aedes Taeniorhynchus* and other difficult species applications may be made up to 0.008 lbs pyrethrin/acre/day or 0.08 lbs piperonyl butoxide/acre/day whichever is lower Do not apply more than 0.2 lbs pyrethrin/acre/year or 2.0 lbs piperonyl butoxide/acre/year whichever is lower in any treated area More frequent treatments may be made to prevent or control a threat to public and/or animal health determined by a state tribal or local health or vector control agency on the basis of documented evidence of disease causing agents in vector mosquitoes or the occurrence of mosquito borne disease in animal or human populations or if specifically approved by the state or tribe during a natural disaster recovery effort

**Ground based applications** Spray equipment must be adjusted so that the volume median diameter is less than 30 microns ( $Dv 0.5 < 30 \mu m$ ) and that 90% of the spray is contained in droplets smaller than 50 microns ( $Dv 0.9 < 50 \mu m$ ) Directions from the equipment manufacturer or vendor pesticide registrant or a test facility using a lazer based measurement instrument must be used to adjust equipment to produce acceptable droplet size spectra Application equipment must be tested at least annually to confirm that pressure at the nozzle and nozzle flow rate(s) are properly calibrated

**STORAGE & DISPOSAL**

Do not contaminate water food or feed by storage or disposal

**STORAGE** If container is damaged Stop any leaks by repositioning the container or by patching or otherwise repairing the leaks Take care to avoid contact with pesticide and wear protective gear On cleanup of spilled liquids wear protective equipment as required to prevent contact with the product or its vapors Cover the spilled areas with generous amounts of absorbent material such as clay diatomaceous earth sand or sawdust Sweep the contaminated absorbent on to a shovel and put the sweepings into a salvage drum Dispose of wastes as below Do not store use pour or spill near heat or open flame

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

**CONTAINER DISPOSAL** {Container labels that do NOT include dilutable use instructions} Non refillable container Do not reuse or refill this container Offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities

{Containers that DO include dilutable use instructions} Non refillable container Do not reuse or refill this container Clean container promptly after emptying {Container 5 gallons or less} 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 solvent used to dilute product 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 reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities

{For containers greater than 5 gallons} Triple rinse as follows Empty the remaining contents into application equipment or a mix tank Fill the container 1/2 full with solvent used to dilute the product 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 reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by other procedures approved by state and local authorities

**Notice** To the extent consistent with applicable law seller makes no warranty expressed or implied concerning the use of this product other than indicated on the label Buyer assumes all risk of use and/or handling of this material when such use and/or handling is contrary to label instructions