

6218-82

7/31/2009

1013



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs
Registration Division (7505C)
1200 Pennsylvania Ave., N.W.
Washington, D.C. 20460

EPA Reg. Number:

6218-82

Date of Issuance:

JUL 31 2009

NOTICE OF PESTICIDE:

Registration
 Reregistration
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

SUMMIT Mistocide® Fogging and
General Purpose Insecticide

Name and Address of Registrant (include ZIP Code):

Summit Chemical Company
235 South Kresson Street
Baltimore, MD 21224-2616

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/reregistered 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 conditionally registered in accordance with section 3(c)(7)(A) of FIFRA provided that you:

1. Submit and/or cite all data required for registration of your product under section 3(c)(5) of FIFRA when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under section 4 of FIFRA.

(continued on page #2)

Signature of Approving Official:

Refer to Page #5.

Richard J. Gebken, Product Manager (10)
Insecticide Branch, Registration Division (7505P)

Date:

JUL 31 2009

2. Make the following change to the label:

- a. Change the product registration number to "EPA Reg. No. 6218-82"
- b. Make the following label revisions:

General Statement:

- 1. Delete all text throughout the label marked with "strikethrough."
- 2. The existing basic formula is approved only for nonfood uses; therefore, delete all food use portions of this label. For more detailed information, please refer to <http://www.epa.gov/opprd001/inerts/>.

Optional Marketing Statements section comment(s):

- 3. Revise to read "For kill of exposed stages of listed insects in residences, non-food areas of food handling establishments including: garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling), non-food areas of (food processing plants, warehouses, hotels, motels, schools, theatres, commercial kitchens and hospitals), vacated pet housing areas & bedding and vacated (livestock barns, poultry houses, horse barns and swine houses)."

First Aid section comment(s):

- 4. To facilitate inclusion of language from the acute toxicity review completed for this product, replace this section with:

**KEEP OUT OF REACH OF CHILDREN
CAUTION**

FIRST AID	
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.
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 in eyes:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice.
If inhaled:	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. • Call a poison control center or doctor for treatment advice.
NOTE TO PHYSICIAN: Contains petroleum distillate. Vomiting may cause aspiration pneumonia.	
HOT LINE NUMBER: Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-xxx-xxxx. ¹	
See side panel for additional precautionary statements.	

Precautionary Statements, Hazards to Humans and Domestic Animals section comment(s):

- 5. To facilitate inclusion of language from the acute toxicity review completed for this product, insert the following text immediately following the word "CAUTION."

"Contains petroleum distillate.

Causes moderate eye irritation. Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum or using tobacco. Discard clothing and other absorbent material that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them."

¹ Please note that the "1-800-xxx-xxxx" must be substituted with a valid phone number that is available twenty-four (24) hours per day, seven (7) days per week for answering and responding to any medical emergencies or health concerns.

Precautionary Statements, Hazards to Humans and Domestic Animals section comment(s), continued:

6. In the 1st sentence of the “USER SAFETY RECOMMENDATIONS” subsection, insert the word “thoroughly” immediately preceding the word “before.”

Environmental Hazards Statement section comment(s):

7. To facilitate inclusion of language from the REDs for pyrethrins and piperonyl butoxide, replace this section with:

“This product is toxic to aquatic organisms, including fish and invertebrates. Drift and run-off may be hazardous to aquatic organisms in water adjacent to treated areas. This product may contaminate water through run-off. This product has a potential for run-off for several weeks after application. Poorly draining soils and soils with shallow water tables are more prone to produce run-off 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.

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. See Directions for Use for additional precautions and restrictions.”

Physical or Chemical Hazards Statement section comment(s):

8. In the 3rd sentence in this section, insert the words “heat or” immediately preceding the word “open.”

Directions for Use section comment(s):

9. To facilitate inclusion of language from the REDs for pyrethrins and piperonyl butoxide, replace the existing “General Precautions and Restrictions:” subsection with:

GENERAL PRECAUTIONS & USE RESTRICTIONS	
<ul style="list-style-type: none"> • Apply this product only as specified on this label. • Do not contaminate of food or feedstuffs. • Do not apply to livestock barns, poultry houses or swine houses while animals are present. • Do not use on or around horses intended for human consumption. • Do not use in aircraft cabins. • Not for use in outdoor residential misting systems. • Do not enter or allow others to enter until sprays have dispersed, and the treated area has been thoroughly ventilated. Do not remain in treated area. Exit area immediately and remain outside the treated area until sprays have dispersed. • 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 treated area during application. • Remove or cover exposed food and drinking water before application. Do not use in food handling areas of food handling establishments. • During space spray applications, cover or remove exposed food. Do not apply more than 1 time per day. • For indoor agricultural premises, commercial animal housing: Do not apply more than 1 time per day. • Remove pets, birds and cover fish aquariums before application. 	

Directions for Use, INDOOR SITES subsection comment(s):

10. Revise to read “When used according to directions, **SUMMIT Mistocide® Fogging and General Purpose Insecticide** is a ready-to-use insecticide for application as a surface and space spray in residences, non-food areas of food handling establishments including: garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage (after canning or bottling), residences, institutions, public buildings, offices, non-food areas of (hospitals, hotels, restaurants, stores, theaters, food processing plants, bakeries, grain mills, breweries, bottling plants and warehouses), trucks and vacated pet housing areas where a pyrethrins insecticide is required for kill of exposed stages of insects.”

Directions for Use, Fogging and aerosol space spraying subsection comment(s):

11. Revise the 7th sentence to read “Close off and vacate treated areas for at least 15 minutes and thoroughly ventilate before reoccupying.”
12. Revise the 9th sentence to read “Do not use in aircraft cabins.”

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Directions for Use, Animal quarters, pet housing areas, and bedding, ... subsection comment(s):

- 13. Revise the subsection heading to read "**Vacated animal quarters, pet housing areas and bedding, cattle barns, dairy and livestock barns, horse barns, poultry houses and swine houses**"
- 14. Revise the 3rd sentence to read "All animals must be removed prior to application. For space sprays when animals are absent from the treatment area, apply at 3 to 4 oz product/1000 cu. ft. of space."

Directions for Use, Surface applications subsection comment(s):

- 15. Revise the beginning of the 1st sentence to read "To kill spiders and scorpions ..."

Directions for Use, For pet premises subsection comment(s):

- 16. Revise the subsection heading to read "**For vacated pet premises**"

Directions for Use, Bedbugs subsection comment(s):

- 17. In the 6th and 7th sentences, replace the word "control" with the word "kill."

Directions for Use, Wasps and stinging insects subsection comment(s):

- 18. Revise the subsection heading to read "**Wasps:**"

Storage and Disposal Statement section comment(s):

- 19. The "STORAGE:" subsection should be revised to read "**PESTICIDE STORAGE:**"

- 20. Replace the "CONTAINER DISPOSAL & CLEANING:" subsection as follows:

"**CONTAINER DISPOSAL (containers 5 gallons or under):** 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 for store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. 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."

"**CONTAINER DISPOSAL (containers over 5 gallons):** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: empty 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 rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. 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."

Warranty and Disclaimer Statement section comment(s):

- 21. Revise this section to read: "Notice: To the extent consistent with applicable law, the seller makes no other warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond the statements made on this label. To the extent consistent with applicable law, the seller shall not be liable for consequential, special or indirect damages resulting from the use, handling, application, storage or disposal of this product or for damages in the nature of penalties, and the buyer and the user waive any right that they may have to such damages."

Conditional Data Gaps:

- 22. Within one (1) year from the date of approval of this label amendment, Valent BioSciences Corporation is obligated to submit a One Year Storage Stability (830.6317) study and a Corrosion Characteristics (830.6320) study on this product in support of this registration. ²

- 3. Submit two (2) copies of the revised final printed label for the record before the product is released for shipment.

² For more detailed information, please refer to page 1 of 4 of the product chemistry review for this product.

Summit Chemical Company should note that a notice of availability of EPA's reregistration eligibility decision (RED) document for products containing pyrethrins was published in the *Federal Register* on July 26, 2006 (Volume 71, Number 143, Pages 42387-42389). In addition, EPA's RED for products containing piperonyl butoxide was published in the *Federal Register* on July 26, 2006 (Volume 71, Number 143, Pages 42385-42386). As a result, additional data and/or labeling changes may be required for products containing pyrethrins and piperonyl butoxide.

Should Summit Chemical Company wish to add/retain a reference to the company's website on your label, please be aware that the website becomes labeling under FIFRA 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) lists 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 be 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 EPA's Office of Enforcement and Compliance Assurance (OECA). As an alternative, you may refer consumers to the company's phone number or e-mail address.

If the above conditions are not complied with, the registration will be subject to cancellation in accordance with section 6(e) of FIFRA. Your release for shipment of the product bearing amended labeling constitutes accepting of these conditions.

A copy of your label stamped "Accepted with Comments" is enclosed for your records along with hard copies of the acute toxicity, product chemistry and efficacy reviews completed for this product. If you have any questions about this label review, please contact Mr. Carmen J. Rodia, Jr. at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov.

Sincerely yours,

For 

Richard J. Gebken
Product Manager (10)
Insecticide Branch
Registration Division (7505P)

Enclosures: Copy of label stamped "Accepted with Comments"
Copy of acute toxicity review, dated July 22, 2009
Copy of product chemistry review, dated July 22, 2009

006218-00082 D408482

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SUMMIT Mistocide[®] Fogging and General Purpose Insecticide Ready-to-Use

For control of exposed stages of most insects and related pests in residences, food processing plants, warehouses, offices, hotels, motels, schools, theatres, commercial kitchens, hospitals, pet housing areas & bedding, cattle & livestock barns, ~~milk rooms,~~ poultry houses, horse barns, swine houses, ~~and for mosquito control.~~

ACCEPTED
With COMMENTS
In EPA Letter Dated:
July 31, 2009
Under the Federal Insecticide, Fungicide
& Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:
6218-82

ACTIVE INGREDIENTS:

Pyrethrins:.....0.30%
Piperonyl Butoxide, Technical*:.....1.50%

OTHER INGREDIENTS:**

TOTAL:.....100%

*Equivalent to 1.2% (butylcarbityl)(6-Propylpiperonyl) ether and 0.3% related compounds),
** Contains petroleum distillate solvent
Mistocide[®], is a registered trademark of Summit Chemical Co.

EPA Reg. No. 6218-
Contents: X gallon, quarts, pints

EPA Est. No. 6218-MD-2
Lot No.

KEEP OUT OF REACH OF CHILDREN	
CAUTION	
FIRST AID	
Have the product container or label with you when calling a poison control center or physician, or going for treatment.	
If swallowed	<ul style="list-style-type: none"> • Immediately call a Poison Control Center, physician, or the National Pesticide Information Center at 1-800-858-7378. • Do not induce vomiting unless told to do by the Poison Control Center or physician. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious or convulsing 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, physician, or the National Pesticide Information Center at 1-800-858-7378 for treatment advice.
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 eye. • Call a Poison Control Center, physician, or the National

Pesticide Information Center at 1-800-858-7378 for treatment advice.	
If inhaled	<ul style="list-style-type: none"> ● Move person to fresh air. ● If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. ● Call a Poison Control Center, physician, or the National Pesticide Information Center at 1-800-858-7378 for treatment advice.
NOTE TO PHYSICIAN: Contains petroleum distillates – vomiting may cause aspiration pneumonia.	
For information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.	
See side panel for additional precautionary statements.	

Summit®

Responsible Solutions

235 South Kresson Street
 Phone: (410) 522-0661
www.summitchemical.com

Toll-Free: (800) 227-8664

Baltimore, MD 21224-2616
 Fax: (410) 522-0833

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

Personal Protective Equipment (PPE): Mixers, loaders, applicators, and other handlers must wear the following: long-sleeve shirt, long pants, and shoes and socks. 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 filtering cartridge (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. In addition to the above PPE, mixers and loaders supporting aerial applications to forests and/or applicators using a high pressure hand wand in an enclosed area must wear at least a NIOSH-approved respirator with:

- a dust/mist filtering cartridge (MSHA/NIOSH approval number prefix TC-21C), or
- a cartridge or canister with any R, P, or HE filter.

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. See engineering controls for additional requirements.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. Users 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. As soon as possible, wash thoroughly and change into clean clothing.

Engineering Controls: Pilots must use an enclosed cockpit that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR §170.240(d)(6)]. Human flagging is prohibited. Flagging to support aerial application is limited to use of the Global Positioning System (GPS) or mechanical flaggers.

ENVIRONMENTAL HAZARDS

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. Runoff from areas adjacent to treated areas or deposition of spray droplets into a body of water may be hazardous to fish and aquatic invertebrates. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains this product. This product has a potential for runoff for several weeks after application. Except as specified in the directions for use, do not apply directly to water, to areas where surface water is present, near water, or to intertidal areas below the mean high water mark. Do not contaminate water or bodies of water when disposing of equipment washwaters or rinsate. See Directions for Use for additional precautions and requirements. 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 Pollution Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Except as directed on the label for manhole use, 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 EPA.

Additionally, for area-wide mosquito control: 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. 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. 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 bases 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.

PHYSICAL OR CHEMICAL HAZARDS

Flammable liquid. Aerosols or vapors may burn or explode. Do not use near open flames. Turn off electrical equipment, pilot lights, and other possible sources of ignition.

DIRECTIONS FOR USE

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

General Precautions and Restrictions: Except when used for area-wide mosquito control, do not enter or allow others to enter until vapors, mists, aerosols and sprays have

dried and the area has been thoroughly ventilated. Except for area-wide mosquito control use, do not apply this product in a way that will contact workers or other persons, either directly or through drift and only protected handlers may be in the area during application. Except for area-wide mosquito control applications, do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed. For spray applications, do not wet articles to point of runoff or drip and do not use treated article until spray has dried. For crack and crevice, surface or space spray, and fogging indoors, 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. Cover food-processing surfaces or clean after treatment with a suitable detergent and rinse with potable water before use. Do not use more than 1 time per day in indoor food handling/processing facilities. Remove or cover exposed food, feedstuffs, and drinking water before application. Remove pets, birds, and cover fish aquariums before spraying. Do not allow adults, children, or pets to enter the treated area until sprays have dried. Do not make space spray applications when food handling and processing facilities are in operation. When used in dairy barns or facilities, close milk bulk tank lids to prevent contamination from spray and from dead or falling insects and cover or remove exposed milking utensils, and watering troughs. Wash teats of animals before milking. For outdoor applications, do not use when windy. To prevent product run-off, do not spray over water in the treated area(s) or apply prior to heavy rainfall.

INDOOR SITES:

When used according to directions, **SUMMIT Mistocide® Fogging and General Purpose Insecticide** is a ready-to-use insecticide for application as a space and surface spray in residences, institutions, public buildings, offices, hospitals, hotels, restaurants, stores, theaters, food-processing plants, bakeries, grain mills, ~~dairies~~, breweries, bottling plants, warehouses, trucks, pet quarters, and other type of situations where a pyrethrins insecticide is required for control of exposed stages of many different kinds of insects and related pests.

Fogging and aerosol space spraying: Close windows and doors and shut off ventilating systems. Extinguish all open flames and pilot lights. Apply with equipment designed and adjusted to deliver a true aerosol mist or fog (no droplets over 50 microns in diameter). Apply at the rate of at the rate of 3 to 4 oz product /1000 cu. ft. of space, which contain 0.00048 to 0.00064 oz product/1000 cu. ft. Do not exceed 0.0025 lb pyrethrins active ingredient (ai)/1000 cu. ft. or. Direct the spray towards the ceiling and upper corners of the area and behind obstructions. Keep the area closed for at least 15 minutes. Repeat as necessary. Do not use in aircraft cabins ~~except in compliance with PR Notice 96-3.~~

Animal quarters, pet housing areas and bedding, cattle barns, dairy and livestock barns, milk rooms, horse barns, poultry houses, and swine houses: Use a suitable ULV aerosol or electric or propane fog generator. Direct mist or fog upward towards ceiling and upper corners. For space sprays when animals are absent, apply at 3 to 4 oz product/1000 cu. ft. of space. Do not exceed 0.0033 lb pyrethrins ai/1000 cu. ft. ~~For space sprays when animals are present, apply 3 to 4 oz produce/1000 cu ft. Do not exceed 0.0008 lb pyrethrins ai/1000 cu. ft. when animals are present.~~ Repeat application as necessary, but do not use more than 1 time per day.

Stored grain and flour pests: SUMMIT Mistocide® Fogging and General Purpose Insecticide can be used in grain or feed mills, elevators, granaries, warehouses, food storage areas and other situations for control of exposed accessible stages of insects and related pests. Apply according to fog and space spray directions, paying particular attention to treatment of cracks and crevice. Repeat as needed. Space sprays may be made to the surfaces of bags of stored food products at the rate of 3 to 4 oz. product/1000 cu. ft. Direct application to food contact surfaces is prohibited. To kill accessible stages of insects infesting dried fruit products in storage or processing, close room or warehouse and shut off ventilating systems. Dispense this product as a space spray to covered trays or shelves of dried fruit. Use a ULV aerosol or electric or propane fog generator or use fixed ceiling sprayers that produce a very fine spray. Do not apply to fruit directly. Repeat applications as necessary for insect control, but not more than ten times.

Surface applications: To control many insects, spiders, and scorpions that are not openly accessible to insecticide sprays, use SUMMIT Mistocide® Fogging and General Purpose Insecticide in a suitable sprayer adjusted to deliver spray droplets and apply as a directed spray at the rate 1 to 2.5 gallons product/1000 sq ft. Do not exceed 0.056 lb pyrethrins ai/1000 sq. ft.

Spot and crack & crevice applications: Apply SUMMIT Mistocide® Fogging and General Purpose Insecticide as a directed spray at the rate of 1 to 2.5 gallons product/1000 sq ft. For spot and crack and crevice applications, do not apply more than 1 time per day. Spray infested areas thoroughly and direct the liquid behind baseboards, moldings, cabinets, shelves, sinks, doors and window frames, and pipes, drains, protected corners, and into cracks, crevices, recesses, and similar insect pest hiding places.

For pet premises, use the fogging or surface/spot and crack and crevice rates according to each method of application.

Mills, elevators, and granaries: Spray floors, walls, and other surfaces of storage facilities and handling areas with particular attention to cracks and crevices and similar protected locations. Waste grain, dust, dirt, and debris should be removed and disposed of and storage areas cleaned before spraying. Treat unloading, handling, and processing areas, and apply the insecticide to conveying, processing, and handling equipment, the insides of sifters, purifier conveyors, roll housings and hoppers, pickup conveyors and other equipment. For extended protection and control in warehouses and food product storage areas, treat exposed surfaces as specified above and spray cracks, crevices, recesses, hiding, and breeding areas. Spray thoroughly around the base of heavy machinery and equipment. Treat walls, floors, shelves and other exposed surfaces and lightly spray each layer of cartons of containers as they are stacked. Apply around and under pallets to directly contact the pests with spray. For pest control in transit, treat trucks boxcars, and ship holds before loading.

Stored grain:

To control exposed accessible stages of meal moths in stored grain, apply to grain bins as a space spray at the rate of 3 to 4 oz product/1000 cu. ft. of space. Apply at four-week intervals beginning with the first appearance of moths and continue until seasonal temperature drops. Postharvest applications may also be made to stored grains and seed including barley, lima beans, birdseed, buckwheat, cocoa beans, corn, cottonseed, flax, grain sorghum, oats, field peas, rice, rye, and wheat by surface applications at a rate 2.47 gallons product/1000 sq. ft. Do not exceed 0.05 lbs pyrethrins ai/1000 sq ft.

~~Make direct applications to bulk grain and seed a rate of 4.93 gallons product/1000 bushels grain or apply at the rate of 17 oz product/hundredweight (cwt) grain. Do not exceed 1.0 lb pyrethrins ai/1000 bushels grain and do not exceed 0.0027 oz pyrethrins ai per cwt. Do not reapply within 30 days.~~

Bedbugs: Apply to top, ends, sides, and bottoms of mattresses. Spray all tufts, seams, and folds thoroughly. Spray exposed springs, mattresses, box springs, and bed frames. Direct liquid into all cracks and furniture joints. Treat walls, baseboards, moldings, floor, closets, bedroom furniture, picture frames, with particular attention to protected bedbug hiding and breeding places, including all cracks and crevices. Control may require repeated applications and direct insecticide contact with bedbugs. Repeat applications as necessary to maintain control.

OUTDOOR SITES:

Including nonagricultural rights-of-way, commercial/institutional/industrial premises and outdoor eating establishments.

Surface applications: Apply SUMMIT Mistocide® Fogging and General Purpose Insecticide at the rate of or 47 oz (~3 pints) product/1000 sq. ft. Do not exceed 0.0075 lb pyrethrins ai/1000 sq. ft.

Crack and crevice or spot applications: Apply SUMMIT Mistocide® Fogging and General Purpose Insecticide at the rate of 1 to 2.5 gallons product/1000 sq ft. For both surface applications and crack and crevice or spot applications, do not apply more than 1 time per day. Do not apply directly to or near water, storm drains, or drainage ditches, except for manholes. For surface application to manholes use 50 oz product for 200 feet coverage.

Wasps and stinging insects: Applications should be made in late evening when insects are in their nests to kill the whole colony and avoid being stung. Spray directly into hiding and nesting places to contact as many insects as possible.

Mosquito Control Outdoors:

Directions for use in outdoor residential misting systems:

~~When using SUMMIT Mistocide® Fogging and General Purpose Insecticide, 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. If the system works on an automatic timer, set the timing for application when people, pets, and food are unlikely to be present. If the system works when a person operates a remote activation device, then application of this pesticide when people, pets, and food are present is prohibited. Do not use in an evaporative cooling system. Direct nozzles to spray towards the target areas and away from swimming pools, water bodies, or eating and cooking areas. If used in a system with a reservoir tank for the ready-to-use product, the system reservoir tank must be locked. Securely attach the product pesticide label to reservoir tank in a weather protected area or plastic sleeve. This product must only be used in systems that have been calibrated to apply no more than the maximum application rate of 0.69 oz product per 1000 cubic ft/day. Do not exceed 0.00011 lbs pyrethrins and 0.00058 lbs piperonyl butoxide ai/1000 cubic ft/day.~~

Mosquito Adulticide Application by Ground or Air:

~~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.

The maximum application rate for wide area mosquito adulticide applications is 15.8 oz product/acre. Do not exceed 0.0025 lbs pyrethrins and 0.025 piperonyl butoxide ai/acre. However, when targeting *Aedes taeniorhynchus* and other difficult to control mosquitoes, applications may be made up to 50 oz product ai/acre/day or 0.008 lbs pyrethrins and 0.008 lbs piperonyl butoxide ai/acre/day.

Do not apply more than 9.86 gallons product/acre/year or 0.2 lbs pyrethrins and 2.0 lbs piperonyl butoxide ai/acre/year 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 disease recovery effort. To control adult mosquitoes using ground applications, apply as a fine mist or fog. Shrubbery and vegetation around stagnant pools, marshy areas, ponds, and shorelines may be treated. Repeat as necessary, usually once or twice a week depending on mosquito presence and biting activity.

SPRAY DRIFT MANAGEMENT for WIDE AREA MOSQUITO ABATEMENT

Precautions and Restrictions:

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application (e.g. ground, aerial, air blast, chemigation,) can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

WIND SPEED: Apply only when wind speed is greater than or equal 1 mph.

Ground-based wide area mosquito abatement 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 laser-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.

Example: A truck mounted mist applicator with a 300 ft swath width traveling at 5 mph would treat ~182 acres per hour. At the above rate of 15.8 oz product per acre, 22.44 gallons of product would be used.

Aerial wide area mosquito abatement application:

Spray equipment must be adjusted so that the volume median diameter is less than 60 microns ($Dv\ 0.5 < 60\ \mu m$) and that 90% of the spray is contained in droplets smaller than 80 microns ($Dv\ 0.9 < 80\ \mu m$). The effects of flight speed, and for non-rotary nozzles, nozzles angle on the droplet size spectrum must be considered. Directions from the equipment manufacturer or vendor, pesticide registrant, or a test facility using a wind tunnel and laser-base 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.

RELEASE HEIGHT:

~~Fixed wing: Apply using a nozzle height of no less than 100 feet above the ground or canopy.~~

~~Rotary wing: Apply using a nozzle height of no less than 75 feet above the ground or canopy.~~

STORAGE & DISPOSAL

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

STORAGE: Store in a cool, dry place. Do not store 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 & CLEANING: If partly filled, call your local solid waste agency or 1-800 CLEANUP for disposal instructions.

Plastic Containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incinerator, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Drums: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a landfill, or by other procedures approved by State and local authorities.

Notice: 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.