



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

OFFICE OF CHEMICAL SAFETY
AND POLLUTION PREVENTION

August 20, 2013

Ms. Sharon M. Johnston
Regulatory Consultant for
Entech Systems Corporation
c/o RegGuide
509 Tower Valley Drive
Hillsboro, MO 63050-1216

**Subject: Amended Labeling; Addition of Mosquito Adulticide DFU &
ENTECH FOG-10 Space Spray, EPA Reg. No. 40391-14
Your Submission Dated March 12, 2013**

Dear Ms. Johnston:

The labeling referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, is acceptable with the following provision(s):

Precautionary Statements, First Aid Statements section comment(s), middle of page 1 of 7:

1. Revise the 2nd sentence within the "**HOT LINE NUMBER**" subsection to read "For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call the National Pesticide Information Center at 1-800-858-7378 from 6:30 a.m. to 4:30 p.m. Pacific Time, Monday through Friday. After 4:30 p.m. Pacific Time on weekdays and on weekends, call the poison control center at 1-800-222-1222."

Precautionary Statements, Environmental Hazards section comment(s), bottom of page 2 of 7:

2. To facilitate inclusion of required language from the REDs for pyrethrins and piperonyl butoxide (updated label tables for pyrethrins/piperonyl butoxide combination products) and the approval of the addition of mosquito adulticiding DFU to the subject label, you must revise this subsection to read as follows:

"Environmental Hazards for Terrestrial Applications

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.

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 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.

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 5 gallons or greater: 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. 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."

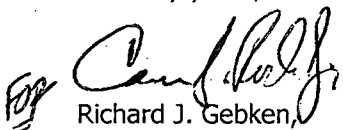
Storage and Disposal section comment(s), middle of page 7 of 7:

- 3. Revise the "Storage:" subsection to read "Pesticide Storage: Store this product in its original container in a cool, dry (preferably locked) place away from heat or open flame in an area that is inaccessible to children and animals."

A copy of your label stamped "Accepted with Comments" is enclosed for your records. Please submit two (2) copies of the final printed labeling, incorporating the above changes, before releasing the product for shipment. If these 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.

If you have any questions about this label review, please contact Mr. Carmen Rodia at (703) 306-0327 or via e-mail at Rodia.Carmen@epa.gov.

Sincerely yours,



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

Enclosures: Label Stamped "Accepted with Comments," dated August 20, 2013
Efficacy Review, dated July 19, 2013

ENTECH FOG-10 Space Spray

- For Use Indoors As A ULV, Space, Area, Contact Spray Or Thermal Fog For Listed Insects
- Effective And Fast Acting
- Provides Flushing Action And Quick Knockdown
- Formulated for Use in Large Food Handling, Storage & Processing Facilities
- Can also be Diluted for Smaller Applications or When Higher Volumes are Desired

ACTIVE INGREDIENTS:

Pyrethrins..... 1.0%
 Piperonyl Butoxide*..... 5.0%

OTHER INGREDIENTS**..... 94.0%

Total 100.0%

*(butylcarbityl)(6-propylpiperonyl) ether and related compounds.

**Contains petroleum distillates

ACCEPTED
With COMMENTS
In EPA Letter Dated:
August 20, 2013
Under the Federal Insecticide, Fungicide
and Rodenticide Act, As amended, for the
pesticide Registered under EPA Reg. No:
40391-14

EPA REG. NO. 40391-14

EPA EST. NO.

KEEP OUT OF REACH OF CHILDREN

CAUTION

See Side/Back Panel For Additional Precautions

| FIRST AID | |
|---|---|
| If Swallowed: | <ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Do not induce vomiting unless told to do so by the poison control center or doctor. • Do not give any liquid to the person. • Do not give anything by mouth to an unconscious person. |
| HOT LINE NUMBER | |
| <p>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 1-800-222-1222, twenty-four (24) hours per day, seven (7) days per week.</p> | |
| NOTE TO PHYSICIAN | |
| <p>Contains petroleum distillate - vomiting may cause aspiration pneumonia.</p> | |

NET CONTENTS:

Manufactured by
Entech Systems Corporation
 607 Maria Street Kenner, LA 70062
 (504) 469-6541
 www.entech.cc

PRECAUTIONARY STATEMENTS
Hazards To Humans & Domestic Animals

CAUTION: Contains Petroleum Distillate. Harmful if swallowed. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Personal Protective Equipment (PPE):

Mixers, loaders, applicators and other handlers must wear the following:

- Long-sleeve shirt
- Long pants
- 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.

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's concentrate. Do not reuse them.

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. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Environmental Hazards

This product is toxic to aquatic organisms, including fish and invertebrates. Do not contaminate water when disposing of equipment washwater or rinsate. See Directions for Use for additional precautions and requirements.

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 5 gallons or greater: 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. 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.

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Physical and Chemical Hazards

Do not use or store near heat or open flame.

DIRECTIONS FOR USE

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

USE RESTRICTIONS

- Apply this product only as specified on this label.
- Do not contaminate of food or feedstuffs.
- Do not use in aircraft cabins.
- Not for use in outdoor residential misting systems (indoor or outdoor).
- **Except when applying with an automatic space spray system or as a wide area mosquito adulticide**, 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.
- **Except when applying with an automatic space spray system or as a wide area 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 treated area during application.
- Remove or cover exposed food (except when applying to post-harvest commodities) and drinking water before application. Remove or cover dishes, utensils, food contact surfaces of food processing equipment and food preparation surfaces or wash them before use.
- **For indoor food handling/processing facilities:** Do not make space spray applications when facility is in operation. Except when applying to post-harvest commodities, prior to space spray applications, cover or remove food. Prior to space spray applications cover food processing surfaces or clean after treatment and before use. Do not apply more than 1 time per day.
- **For automatic space spray systems:** Not for use in residential areas. Do not use in nurseries or rooms where infants, ill or aged persons are confined. Except when applying to post-harvest commodities, do not place nozzles directly over or within 8 feet of exposed food, dishes, utensils, food contact surfaces of food processing equipment and food handling or preparation surfaces. Do not install within 3 feet of air vents. Carefully follow directions for the dispenser unit and when recharging with product or conducting maintenance.
- **For indoor agricultural premises, commercial animal housing and equipment and direct application to non-domestic animals/livestock:** Do not apply more than 1 time per day.
- **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 applications. Wash teats of animals before milking.
- **For post-harvest applications to vegetables:** Do not reapply within 7 days. Do not apply more than 10 times to sweet potatoes.
- **For post-harvest applications to stored grain and seed:** Do not reapply within 30 days.
- **For food stored in bags:** Direct application to food contact surfaces is prohibited.
- **For wide area mosquito adulticide applications:** 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.
- Remove pts, birds and cover fish aquariums before spraying.
- In hospitals, remove patients from room prior to treatment. Thoroughly ventilate room for at least 2 hours after application. Do not return patient to room until after ventilation.

This concentrate is designed for use undiluted in automatic space spray systems and mechanical sprayers which give particles in the range of 5-20 microns. It can be diluted with refined kerosenes, which meet Food Additive Regulations as defined by CFR Title 21, 172.884, and applied in fogging equipment that give larger than aerosol particle size or applied as a contact spray to kill listed crawling insects shown on this label.

INDOOR AREAS for use in and around: Animal areas & quarters, animal shelters, animal control centers, apartments, arcades, attics, auditoriums, bakeries, beverage plants, bars, basements, bathrooms, bird seed plants, boats, bottling plants, breweries, brewery warehouses, buildings, buses, cabins, cabinets, cafeterias, campers, canneries, churches, cit missions, circus tents, closets, club houses, coffee warehouses & processing plants, commercial buildings, communication centers, condominiums, concession stands, court houses, crawl spaces, crematoriums, day care centers*, delicatessens, department stores, diners, dog houses, drug stores, dumpsters, dwellings, egg processing plants, factories, feed mills, flour mills, food processing and storage facilities, freight containers, fruit packing sheds, funeral parlors, garbage bins, garbage cans, garbage compactors, garbage trucks, gas stations, grain elevators, grain harvesting

& handling equipment, garages, grain mills, granaries, grocery stores, homes, horse stables & barns, horse trailers, hospices*, hospitals*, hotels, indoor eating establishments, industrial installations, institutional dining areas, institutions, jails, laboratories; laundromats, lavatories, libraries, liquor stores, locker rooms, marinas, mausoleums, meat packing plants, mess halls, mini-storages, mobile canteens, mobile homes, morgues, mortuaries, motels, movie theaters, museums, nursing homes*, office buildings, other public buildings, parking garages, peanut warehouses & shelling/processing plants, pool halls, prisons, public storage, railroad cars, recreational vehicles, research animal quarters, restaurants, retail stores, rice mills, schools*, ships, ship holds, smoke shops, sports stadiums, stables, storage bins (areas), stored food in multi-walled paper or cloth bags, stores, supermarkets, taverns, textile mills & warehouses, theaters, tobacco factories, tobacco warehouses, tool sheds, trains, transportation equipment, trucks, truck trailers, tunnels, utilities, utility rooms, false ceilings vending machines, veterinary hospitals, wall & equipment voids, warehouses, washrooms, wholesale stores, wine cellars, wineries and zoos.

*Use site is not approved for automatic space spray systems.

TO KILL THE FOLLOWING INSECTS: *Almond Moths, Angoumois Grain Moths, Ants, Black Fly, Boxelder Bugs, Brown Dog Ticks, Cadelles, Carpet Beetles, Cereal Beetles, Cheese Mites, Cheese Skippers, Chocolate Moths, Cigarette Beetles, Clothes Moths, Clover Mites, Cockroaches, Coffee Bean Weevils, Confused Flour Beetles, Crickets, Dark Mealworms, Darkling Beetles, Dermestid Beetles, Dried Fruit Beetle, Drugstore Beetles, Earwigs, Face Fly, Firebrats, Flat Grain Beetles, Fleas, Flies, Fruit Flies, Gnats, Grain Mites, Granary Weevils, Horn Flies, Hornets, Indian Meal Moths, Khapra Beetles, Lesser Grain Borers, Lesser Housefly, Mediterranean Flour Moths, Merchant Grain Beetle, Midges, Miller Moths, Millipedes, Mosquitoes, Flying Moths, Palmetto Bugs, Pillbugs, Red Flour Beetles, Rice Flour Beetles, Rusty Grain Beetles, Saw-Toothed Grain Beetle, Silverfish, Skipper Fly, Spiders, Spider Beetles, Stable Flies, Sowbugs, Ticks, Ticks That May Carry and Transmit Lyme disease, Tobacco Moths, Warehouse Beetles, Wasps, Waterbugs, Yellow Jackets, Yellow Mealworms.*

INDOOR USE – UNDILUTED

AUTOMATIC SPACE SPRAY SYSTEMS: Use in automatic space spray systems to kill exposed accessible stages of: *Flies (including Fruit Flies), Mosquitoes, Small Flying Moths, Fleas, Gnats, Wasps, Hornets, Clover Mites, Cheese Mites, Cheese Skippers, Boxelder Bugs, Earwigs, Ants* and the following common stored product pests: *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, Yellow Mealworms, Dark Mealworms, Grain Mites, Cadelles and Red Flour Beetles.* Close room and shut off all air conditioning or ventilating equipment. Set system to apply undiluted concentrate at a rate of 0.5 to 1.0 fluid ounce / 1000 cu. ft. of space. Close off and vacate treated areas for at least 30 minutes and thoroughly ventilate before reoccupying.

ULV AND SPACE SPRAY: Use in aerosol generators to kill exposed accessible stages of: *Flies (including Fruit Flies), Mosquitoes, Small Flying Moths, Fleas, Gnats, Wasps, Hornets, Clover Mites, Cheese Mites, Cheese Skippers, Boxelder Bugs, Earwigs, Ants* and the following common stored product pests: *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, Yellow Mealworms, Dark Mealworms, Grain Mites, Cadelles and Red Flour Beetles.* Close room and shut off all air conditioning or ventilating equipment. Set system to apply undiluted concentrate at a rate of 0.5 to 1.0 fluid ounce / 1000 cu. ft. of space. Close off and vacate treated areas for at least 30 minutes and thoroughly ventilate before reoccupying. Do not apply more than once per day.

CONTACT SPRAY: TO KILL *Cockroaches, Silverfish, Earwigs, Ants, Spiders,* use a mechanical aerosol generator or a fogger. Apply as a spot & crack & crevice treatment at 1/2 gallon / 1000 sq. ft. of surface area. Direct the spray into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas, walls, floors, underneath sinks, behind pipes and in all places that harbor insects to provide maximum penetration and impingement on the insects. Contact as many insects as possible. Do not apply more than once per day.

CONTACT AND SPACE SPRAY: TO KILL *Cockroaches, Silverfish, Earwigs, Ants, Spiders,* use a mechanical aerosol generator or a fogger. First, apply as a spot & crack & crevice treatment at 1/2 gallon / 1000 sq. ft. of surface area. Direct the spray into all cracks and crevices, behind all equipment, cupboards, obstructions or dark harborage areas, walls, floors, underneath sinks, behind pipes and in all places that harbor insects to provide maximum penetration and impingement on the insects. Contact as many insects as possible. Then treat as a space spray. Apply at a rate of 0.5 to 1.0 fluid ounce / 1000 cu. ft. of space. Close off and vacate treated areas for at least 30 minutes and thoroughly ventilate before reoccupying. Do not apply more than once per day.

NOTE: If there is a need to treat such areas as conduits, motor housings, junction and switch boxes or other electrical equipment, turn off electrical equipment prior to application. After application, allow time for oil to dissipate before starting motors or placing switches in the "ON" position.

Treatment of Food Stored in Bags: To kill accessible adult stages of *Almond Moths*, *Angoumois Grain Moths*, *Ants*, *Cadelles*, *Cereal Beetles*, *Cheese Mites*, *Cheese Skippers*, *Chocolate Moths*, *Cigarette Beetles*, *Cockroaches*, *Confused Flour Beetles*, *Crickets*, *Dark Mealworms*, *Drugstore Beetles*, *Earwigs*, *Firebrats*, *Flies*, *Fruit Flies*, *Fungus Gnats*, *Grain Mites*, *Granary Weevils*, *Hide Beetles*, *Indian Meal Moths*, *Mediterranean Flour Moths*, *Mosquitoes*, *Red Flour Beetles*, *Rice Weevils*, *Saw-Toothed Grain Beetles*, *Silverfish*, *Small Flying Moths*, *Spiders*, *Spider Beetles*, *Yellow Mealworms*, *Dried Fruit Beetles*, *Warehouse Beetles*, *Rusty Grain Beetles*, *Lesser Grain Beetles*, *Coffee Bean Weevils*, *Khapra Beetle* and other listed pests, apply as a space spray at the rate of 1.0 ounce / 1000 cu. ft. of space. Fumigate or destroy infested stored products or treat by other effective methods using an approved product intended for this purpose. Direct application to food contact surfaces is prohibited.

Application to Vegetables (Potato, Tomato, Pea, Sweet Potato), Fruits (Apple, Blackberry, Blueberry, Boysenberry, Cherry, Crabapple, Currant, Dewberry, Fig, Gooseberry, Grape, Guava, Loganberry, Mango, Muskmelon, Orange, Peach, Pear, Pineapple, Plum, Raspberry), Nuts (Almonds, Walnuts) and other Commodities (Copra and Peanut): To kill accessible stages of *Almond Moths*, *Angoumois Grain Moths*, *Ants*, *Cadelles*, *Cereal Beetles*, *Cheese Mites*, *Cheese Skippers*, *Chocolate Moths*, *Cigarette Beetles*, *Cockroaches*, *Confused Flour Beetles*, *Crickets*, *Dark Mealworms*, *Drugstore Beetles*, *Earwigs*, *Firebrats*, *Flies*, *Fruit Flies*, *Fungus Gnats*, *Grain Mites*, *Granary Weevils*, *Hide Beetles*, *Indian Meal Moths*, *Mediterranean Flour Moths*, *Mosquitoes*, *Red Flour Beetles*, *Rice Weevils*, *Saw-Toothed Grain Beetles*, *Silverfish*, *Small Flying Moths*, *Spiders*, *Spider Beetles*, *Yellow Mealworms*, *Dried Fruit Beetles*, *Warehouse Beetles*, *Rusty Grain Beetles*, *Lesser Grain Beetles*, *Coffee Bean Weevils*, *Khapra Beetles* and other listed insects. Apply as a surface application at a rate of 6.0 ounces / 1000 sq. ft. Spray walls, floors and other surfaces, storage and handling areas thoroughly, being especially careful to treat cracks, crevices and similar hiding places. Or apply as a space spray at a rate of 1.0 ounce / 1000 cu. ft. of space by directing the spray toward the ceiling and upper corners of the area and behind any obstructions. Do not reapply within 7 days. Do not apply more than 10 times to sweet potatoes. Do not apply both surface and space sprays within the same 7-day period.

VOID INJECTION - TO KILL Cockroaches: Using an appropriate ULV spraying device, inject the aerosol spray directly into cracks and crevices to fill wall, equipment and other small structural void areas. Leave room ventilation or air conditioning equipment on during application.

INDOOR USE - DILUTED

SPACE SPRAY: For use in mechanical fogging, thermal fogging or spraying equipment to kill accessible stages of *Almond Moths*, *Angoumois Grain Moths*, *Ants*, *Cadelles*, *Cereal Beetles*, *Cheese Mites*, *Cheese Skippers*, *Chocolate Moths*, *Cigarette Beetles*, *Cockroaches*, *Confused Flour Beetles*, *Crickets*, *Dark Mealworms*, *Drugstore Beetles*, *Earwigs*, *Firebrats*, *Flies*, *Fruit Flies*, *Fungus Gnats*, *Grain Mites*, *Granary Weevils*, *Hide Beetles*, *Indian Meal Moths*, *Mediterranean Flour Moths*, *Mosquitoes*, *Red Flour Beetles*, *Rice Weevils*, *Saw-Toothed Grain Beetles*, *Silverfish*, *Small Flying Moths*, *Spiders*, *Spider Beetles*, *Yellow Mealworms*, *Dried Fruit Beetles*, *Warehouse Beetles*, *Rusty Grain Beetles*, *Lesser Grain Beetles*, *Coffee Bean Weevils* and *Khapra Beetles*. Close room and shut off all air conditioning or ventilating equipment. Dilute concentrate with a white mineral oil conforming to Regulations at 21 CFR 121.2589(b) or an odorless light petroleum hydrocarbon conforming to 121.1182 at the rate of one part concentrate to two parts oil and mix well. Apply at a rate of 0.5 to 1.0 fluid ounce / 1000 cu. ft. of space, filling the room with mist. Close off and vacate treated areas for at least 15 minutes and thoroughly ventilate before reoccupying. Do not apply more than once per day.

Animal Quarters Use: For use in cattle barns, horse barns, poultry houses, swine houses & zoos to kill *Flies*, *Mosquitoes*, *Small Flying Moths* and *Gnats*: Dilute 1 part concentrate with 29 parts oil (refined Kerosene or Deo-base Kerosene) and mix well. Apply at a rate of 2.0 fluid ounces / 1000 cu. ft. above the animals. Direct spray toward the upper portions of the enclosure filling the room with mist. Keep area closed off for at least 15 minutes. Close off and vacate treated areas for at least 15 minutes and thoroughly ventilate before reoccupying.

Zoos: As a space spray diluted for use in conventional mechanical fogging equipment to kill *Flies*, *Gnats*, *Mosquitoes*, *Small Flying Moths*, dilute 1 part concentrate plus 29 parts oil (refined Kerosene) and mix well. Apply at a rate of 2 fluid ounces per 1000 cu. ft. of space above the animals. Direct spray towards the upper portions of the enclosure filling the room with mist. Close off and vacate treated areas for at least 15 minutes and thoroughly ventilate before reoccupying.

SURFACE SPRAY: To kill accessible stages of: *Ants, Drugstore Beetles, Earwigs, Cockroaches, Silverfish, Beetles, Boxelder Bugs, Clover Mites, Crickets* and other listed insects, dilute in a range of 1 part concentrate plus 1 part suitable diluent to 1 part concentrate plus 29 parts suitable diluent, mix well and apply as a coarse wetting spray using approximately 1 gallon of spray mixture per 750 sq. ft. of surface. To ensure maximum control of listed crawling insects, spray thoroughly into all cracks, molding, crevices, walls, floors and other surfaces, around the base of heavy machinery and equipment, storage and handling areas. Particular attention should be paid to areas where moisture collects such as drains, sinks and water pipes, around the base of heavy machinery and equipment contacting as many insects as possible. *Ants:* Spray directly into nests, along trails and directly on all ants observed.

Stored Grain and Seed (Barley, Beans, Lima Beans, Birdseed, Buckwheat, Cocoa beans, Corn, Cottonseed, Flax, Grain sorghum, Oats, Field Peas, Rice, Rye, Wheat): To kill *Indian Meal Moth* and *Angoumois Grain Moths* in stored grain, apply diluted spray to the surface of binned grain at a rate of 1 gallon per 1000 sq. ft. Do not reapply within 30 days. Apply with the first appearance of moths and continue until early fall. In the case of severe infestation, break up webbing with rake before spraying. Or apply as a space spray at a rate of 1.0 ounce / 1000 cu. ft. of space by directing the spray toward the ceiling and upper corners of the area and behind any obstructions. Do not reapply within 30 days. Do not apply both surface and space sprays within the same 30-day period.

CONTACT SPRAY: Diluted for use with sprays that give large wetting spray particles to kill *Cockroaches* and accessible stages of granary insects: *Cadelles, Confused Flour Beetles, Grain Mites, Granary Weevils, Meal Moth Larvae and Adults, Red Flour Beetles, Rice Weevils and Saw-Toothed Grain Beetles.* Cover or remove exposed food and close room as described above. Dilute concentrate with oil at a rate of 1 part concentrate plus 29 parts of oil or 4.5 ounces per gallon and mix well. Spray outside walls of grain bins, flooring, around the base of milling machinery, walls and baseboards, areas behind cabinets, around pipes and other insect harborages using 1 gallon of spray per 1,000 sq. ft. of space. Force spray into all cracks and crevices.

Stored Food in Bags: in flour mills, grain elevators, granaries, storage rooms, warehouses to kill *Angoumois Grain Moths, Cadelles, Cheese Mites, Cheese Skippers, Cigarette Beetles, Confused Flour Beetles, Dark Mealworms, Grain Mites, Granary Weevils, Indian Meal Moths, Mediterranean Flour Moths, Red Flour Beetles, Rice Weevils, Saw-Toothed Grain Beetles, Yellow Mealworms.* Remove and destroy infested products. Dilute concentrate with oil at a rate of 1 part concentrate plus 29 parts oil or 4.5 ounces per gallon and mix well and treat as a space spray. Fumigate infested stored products or treat by other effective methods using an approved product intended for this purpose. Use a dosage of 1/2 fluid ounce per 1000 cu. ft. of space. Direct application to food contact surfaces is prohibited. This application will kill accessible, exposed stages of those stored product pests listed above. Sweep up and destroy fallen insects.

For Use On Non-Domestic/Livestock Animals: To protect beef and dairy cattle and horses from *Horn Flies, Houseflies, Mosquitoes* and *Gnats*, dilute 1 part of concentrate with 29 parts oil (deo-base Kerosene) and mix well. Apply as a light mist, sufficient to wet the tips of the hair, but not to the point of runoff or drip. To kill *Stable Flies*, on beef and dairy cattle and horses, apply 2 ounces per adult animal sufficient to wet the hair but not to soak the hide. Do not apply more than 1 time per day.

OUTDOOR APPLICATIONS, UNDILUTED:

To kill ADULT MOSQUITOES, GNATS AND SMALL FLYING MOTHS, This product may be used for mosquito control programs involving residential, industrial, recreational areas, overgrown wastes areas, roadsides and pastures where adult mosquitoes occur.

Best results are expected from application when the meteorological conditions favor an inversion of air temperatures in the area treated, and when the wind is not excessive. Apply only when wind speed is greater than or equal to 1 mph.

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.

Application Rates of Entech Fog-10 Space Spray Undiluted for Adult Mosquito Control:

| Pounds a.i./Acre | | Entech Fog-10 |
|------------------|--------|---------------|
| Pyrethrins | PBO | Fl. Oz./Acre |
| 0.0025 | 0.0125 | 4.80 |

| | | |
|--------|--------|------|
| 0.0018 | 0.0090 | 3.48 |
| 0.0009 | 0.0045 | 1.74 |

Ground-based applications for wide-area mosquito abatement application: Spray equipment must be adjusted so that the volume median diameter is less than 30 microns ($D_v 0.5 < 30 \mu\text{m}$) and that 90% of the spray is contained in droplets smaller than 50 microns ($D_v 0.9 < 50 \mu\text{m}$). 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.

TEMPORARY REDUCTION OF ANNOYANCE AND POTENTIAL VECTORS, UNDILUTED, from FLIES, MOSQUITOES and SMALL FLYING MOTHS OUTDOORS. The aforementioned application for outdoor ground application will afford temporary reduction of annoyance from these pests in public gathering places (drive-in restaurants, drive-in theaters, golf courses, municipalities, sewers, parks, playgrounds and recreational areas). Direct application into tall grass, shrubbery and around lawns where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. Application should be made prior to attendance.

FOR USE IN THERMAL FOGGING EQUIPMENT: Following the above directions and precautions. Apply at a rate of not more than 0.0025 pounds of pyrethrins and 0.0125 pounds of piperonyl butoxide per acre. For control of nuisance species in Texas, it may be necessary to use a dose of up to 0.008 pounds of pyrethrins and 0.04 pounds of piperonyl butoxide per acre.

In additional outdoor areas (corrals, feed lots, swine lots and zoos) fill area with mist directing application into tall grass, shrubbery and around lawns where these pests may hover or rest. Apply while air is still. Avoid wetting foliage. In zoos, avoid exposure of reptiles to the product.

STORAGE AND DISPOSAL

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

Pesticide Storage: Store product in its original container in a cool, dry place away from heat or open flame in an area that is inaccessible to children and animals.

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: {For containers that do NOT include dilutable directions for use} Non-refillable container. Do not reuse or refill this container. Place in trash or 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 that DO include dilutable directions for use} Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

[Containers 5 gallons or under] 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 the product for use 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. 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 over 5 gallons] Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with solvent used to dilute the product for use. 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 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.

IMPORTANT: READ BEFORE USE

To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this material not in strict accordance with the directions given herewith.