STATE OF HAWAII
Department of Agriculture
ACCEPTED
LICENSE NO. 9472.42

altoCIRRUS™

Fogging Concentrate

For Use in Homes, Apartments, Food and Non-Food Areas of: Food Processing Plants, Warehouses, Office Buildings, Hotels, Motels, Schools, Theatres, Hospitals and Other Areas Listed

Designed for use through ULV and Fogging equipment
Delivers Fast knockdown and kill of listed insects

ACTIVE INGREDIENTS:

* (RS)-2-Methyl-4-oxo-3-(2-propynyl) cyclopent-2-enyl-(1RS)-cis, trans-chrysanthemate	0.67%
** Piperonyl butoxide	2.00%
*** N-Octyl bicycloheptene dicarboximide	2.87%
**** **OTHER INGREDIENTS**	94.46%
	100.00%

* ETOC®
** (butylcarbityl) (6-propylpiperonyl) ether and related compounds
*** MGK® 264, Insecticide Synergist
****Contains petroleum distillate

MGK®, NyGuard®, and Onslaught® – Registered trademarks of McLaughlin Gormley King Company.
ETOC® – Registered trademark of Sumitomo Chemical Corp., Ltd., Japan

KEEP OUT OF REACH OF CHILDREN

CAUTION

FIRST AID

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. 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: 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 INHALED: 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 or doctor for further treatment advice.

NOTE TO PHYSICIAN

Contains petroleum distillate – vomiting may cause aspiration pneumonia. 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 pesticide product (including health concerns, medical emergencies, pesticide concerns or incidents), you may call 1-888-740-8712.

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Contains petroleum distillates. Harmful if swallowed. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to or near water. Drift and run-off may be hazardous to fish in water adjacent to treated areas. Do not contaminate water when disposing of equipment, washwater, or rinsate. See Directions for Use for additional precautions and requirements.

PHYSICAL OR 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.

SEE INSIDE BOOKLET FOR DIRECTIONS FOR USE AND ADDITIONAL PRECAUTIONARY STATEMENTS.

Manufactured by:

MGK®

8810 Tenth Avenue North, Minneapolis, MN 55427

EPA Reg. No. 1021-1875
REV 0113-0314

EPA Est. Nos. 1021-MN-2[A], 63416-MN-1[B], 70815-GA-1[C]
Superscript is the first character of the lot number
F2927-107

NET CONTENTS 1.0 GALLON

0 84892 0 00065

PULL HERE TO OPEN / PRESS TO RESEAL

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IF ON SKIN OR CLOTHING:	• 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 INHALED:	• 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 or doctor for further treatment advice.

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PERSONAL PROTECTIVE EQUIPMENT (PPE)

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

- long-sleeved shirt,
- long pants,
- shoes and socks,
- chemical-resistant gloves made of barrier laminate, nitrile rubber, neoprene rubber or viton.

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 the 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.

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. As soon as possible, wash thoroughly and change in to clean clothing.

ENVIRONMENTAL HAZARDS

This pesticide is toxic to aquatic organisms, including fish and invertebrates. Do not apply directly to or near water. Drift and runoff may be hazardous to fish in water adjacent to treated areas. Do not contaminate water when disposing of equipment, washwater, or rinsate. See Directions for Use for additional precautions and requirements.

PHYSICAL OR 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:

- THIS PRODUCT IS FOR INDOOR USE ONLY.
- Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed.
- Not for use in metered release devises.
- Do not apply to classrooms or patient rooms in hospitals and nursing homes while occupied.
- 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 apply to a given area more than once every 4 days.
- Do not wet articles to the point of runoff or drip.
- Do not use treated article until spray has dried.
- Do not use in aircraft cabins except in compliance with PR Notice 96-3.
- Entry Restrictions when applied as a surface spray:
  - Do not enter or allow others to enter until sprays have dried.
  - Entry Restrictions when applied as a space spray or fog:
  - Do not allow adults, children, or pets to enter the treated area for at least 15 minutes, until vapors, mists, and aerosols have dispersed and the treated area has been thoroughly ventilated.

Application Restrictions:

- 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
- When used in food handling and processing facilities:
  - Do not make space spray applications when facility is in operation.
  - 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.
- Product cannot be used:
  - in areas where animals raised for milk and meat (human food animals) are present;
  - in any areas where animal feeds are prepared, processed, or stored, and;
  - in any truck beds or truck trailers, freight/tank/container, railroad cars, ship holds, or ship and air freight containers that are used to transport unbagged (bulk) feeds.

USE INSTRUCTIONS:

This concentrate is designed for use undiluted through mechanical aerosol or Ultra Low Volume (ULV) generators, as well as thermal and conventional fogging or spraying equipment.

Dilution: It can be diluted with a white mineral oil conforming to regulation 21 CFR 178.3620(b), or an odorless light petroleum hydrocarbon conforming to 21 CFR 172.882 or 40 CFR 180.1001(c) & (e). Combine oil with this concentrate and mix well just prior to application.

Tank-mixing: This concentrate may be tank mixed with NyGuard Insect Growth Regulator, or other appropriately labeled insect control products, unless prohibited by the other product's label. When using a tank-mix, always make applications following the most restrictive label language of the products being mixed.

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

FOOD HANDLING ESTABLISHMENT APPLICATIONS

Do not apply directly to food. Do not apply as a Space Spray or general surface treatment while food processing is underway. Foods should be removed or covered during treatment. All food processing surfaces and equipment should be covered or washed with an effective cleaning compound followed by a potable water rinse. In the home, all food processing surfaces, dishes and utensils should be covered during treatment, or thoroughly washed before use.

Insects Controlled:

Almond Moths,
Angoumois Grain Moths,
Ants,
Bed Bugs,
Blister Beetles,
Blood Sucking Lice,
Box Elder Bugs,
Cadelles,
Carpet Beetles,
Centipedes,
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,
Dried Fruit Beetles,
Drugstore Beetles,
Earwigs,
Face Flies,
Firebrats,
Fleas,
Flies,
Fruit Flies,
Fungus Gnats,
Gnats,
Grain Mites,
Granary Weevils,
Harlequin Bugs,
Hide Beetles,
Horn Flies,
Hornets,
House Flies,
Indian Meal Moths,
Khapra Beetles,
Leaf Hoppers,
Lesser Grain Borers,
Mediterranean Flour Moths,
Mosquitoes,
Mushroom Flies,
Red Flour Beetles,
Rice Weevils,
Rusty Grain Beetles,
Saw-toothed Grain Beetles,
Scorpions,
Silverfish,
Small Flying Moths,
Spider Beetles,
Spiders,
Stable Flies,
Stink Bugs,
Ticks,
Tobacco Moths,
Vinegar Flies,
Warehouse Beetles,
Wasps,
Waterbugs,
Weevils,
Yellow Jackets
Yellow Meal Worms

For use in and around:

Apartments,
Arcades,
Auditoriums,
Bakeries,
Banquet Facilities,
Barns,
Bars,
Basements,
Bathrooms,
Beverage Plants,
Boats,
Bottling Plants,
Breweries,
Brewery Warehouses,
Buildings,
Buses,
Cabinets,
Cabins,
Cafeterias,
Campers,
Canneries,
Cargo Aircraft,
Carpets,
Churches,
Circus Tents,
City Missions,
Closets,
Communication Centers,
Concession Stands,
Condominiums,
Convenience Stores,
Court Houses,
Day Care Centers,
Department Stores,
Diners,
Dining Halls,
Dog Houses,
Dormitories,
Drug Stores,
Dumpsters,
Egg Processing Plants,
Ethanol Plants,
Factories,
Food Service Storage and Preparation Areas,
Freight Containers,
Fruit Packing Sheds,
Garages,
Garbage Bins,
Garbage Cans,
Garbage Compactors,
Garbage Trucks,
Gas Stations,
Grain Elevators,
Grain Harvesting & Handling Equipment,
Grain Mills,
Granaries,
Grocery Stores,
Healthcare Facilities,
Homes (Households),
Hospices,
Hospitals,
Hotels,
Industrial Installations,
Institutions,
Jails,
Kennels,
Kitchens,
Laboratories,
Laundromats,
Lavatories,
Libraries,
Liquor Distilleries,
Liquor Stores,
Locker Rooms,
Marina Buildings,
Mausoleums,
Meat Packing Plants,
Mills,
Mobile Homes,
Morgues,
Motels,
Movie Theatres,
Museums,
Mushroom Processing,
Nursing Homes,
Office Buildings,
Parking Garages,
Passenger Railroad Cars,
Pool Halls,
Poultry Housing,
Prisons,
Public Housing,
Public Storages,
Rabbit Processing Plants,
Railroad Cars,
Recreational Vehicles (RV's),
Recycling Facilities,
Restaurants,
Retail Stores,
Rice Mills,
Schools,
Smoke Shops,
Stables,
Storage Bins,
Storage Facilities,
Stored Food in Multi-walled Packaging or Cloth Bags,
Stored Food Warehouses,
Stores,
Supermarkets,
Textile Mills & Warehouses,
Theatres,
Tobacco Warehouses
Tool Sheds,
Trains,
Trucks,
Tunnels,
Universities,
Utilities,
Utility Rooms,
Voids (i.e. Attics, False Ceilings),
Walls & Equipment Voids,
Warehouses,
Wholesale Stores,
Wine Cellars,
Wineries,
Zoos

UNDILUTED APPLICATIONS:

SPACE SPRAY APPLICATION: To Kill Flying Insects listed above: Close doors, windows and shut off all ventilating equipment. Then with a mechanical aerosol generator (no droplets over 50 microns in diameter and 80% less than 30 microns) apply undiluted concentrate at a dosage rate of 1.0 fl oz/1,000 ft^3 of room space. Direct spray toward upper areas of room. Do not remain in treated areas after application, and leave room closed for at least 1 hour. Ventilate thoroughly before occupants are allowed to re-enter.

To Kill Crawling Insects listed above: Close doors, windows and shut off all ventilating equipment before application. Use the concentrate undiluted and apply through equipment which can deliver a pin stream spray. Direct a pin stream spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects harbor. Contact as many insects as possible with the spray. Do not allow spray to contact stored food. Then, with a mechanical aerosol generator (no droplets over 50 microns in diameter and 80% less than 30 microns) apply undiluted product at the rate of 1.0 fl oz/1,000 ft^3 of space. Leave room closed for at least 1 hour after application. Do not remain in treated areas and ventilate thoroughly before occupants are allowed to re-enter.

Space sprays may be made to the surfaces of bags of stored food products at the rate of no more than 0.006 lbs. MGK 264/1000 cubic feet. Direct application to food contact surfaces is prohibited.

FEDERALLY INSPECTED MEAT & POULTRY ESTABLISHMENTS:
Apply as a space or directed contact spray for control of flying and crawling insects listed (see "Insects Controlled" section) in establishments operating under the Federal meat, poultry, shell egg grading and egg products inspection program. Do not apply while food processing is underway. All food processing surfaces and equipment should be covered or washed with an effective cleaning compound followed by a potable water rinse after application and before processing resumes. Close doors, windows and shut off all ventilating equipment prior to application. When using ULV (Ultra Low Volume) equipment, adjust it to deliver aerosol droplets (30 microns or less) and apply 1.0 fl oz/1,000 ft^3 of space. Leave room closed for at least 1 hour after application and ventilate before occupants are allowed to re-enter. Do not apply more than 1 time per day.

INDOOR AEROSOL SPACE SPRAY APPLICATIONS (AEROSOL PUMP SPRAYERS) IN RESIDENTIAL AREAS:
When making Indoor Aerosol Space Spray applications in residential areas with an aerosol pump sprayer do not exceed the maximum application rate of 0.00015 lbs MGK 264/1,000 cubic ft. or .090 fl oz. of altoCIRRUS/1,000 cubic ft.

DEEP VOID APPLICATION: SPOT APPLICATION: With equipment designed for deep void Ultra Low Volume (ULV) applications, follow the manufacturer's recommendations for proper equipment set up and operating pressures. Place the tip of the applicator at or into the crack and crevice to be treated. Apply product in short bursts while keeping tip in position. Allow the air stream to push insecticide deep into voids. Repeat application as necessary to flush insects from voids. Avoid applying to the point of runoff or drip. Ventilate thoroughly before occupants are allowed to re-enter.

LINEAR APPLICATION ALONG BASEBOARDS, TRIM MOLDING, ETC.: With equipment designed for deep void ULV application, move applicator tip along the crevice to be treated, applying a constant burst of insecticide. Do not apply more than 27 fl. oz. of altoCIRRUS/1,000 sq. ft. Move the tip at a steady rate of approximately 1 ft/second. Avoid applying to the point of runoff or drip. Repeat application as necessary to flush insects from the void. Ventilate thoroughly before occupants are allowed to re-enter.

SPOT, OR CRACK AND CREVICE APPLICATIONS - Undiluted: Use concentrate undiluted and apply through equipment which can deliver a pin stream spray. Do not apply more than 135 fl. oz. of altoCIRRUS/1,000 sq ft. Apply in specific areas such as: cracks and crevices in or behind baseboards, in floors, walls, expansion joints, areas around water and sewer pipes, wall voids, or voids in table legs and equipment where pests can hide as well as other similar areas. Spot treatments may also be made to areas including but not limited to storage areas, closets, doors and windows, behind and under refrigerators, cabinets, sinks, stoves, and other equipment, the underside of shelves, drawers and similar areas. Do not apply where electrical short circuits could occur.

DILUTED SPRAY APPLICATIONS

SURFACE SPRAY (Including Spot, Crack and Crevice Treatments): Use diluted concentrate with sprayers that give large, wetting spray particles, to ensure maximum control of listed crawling insects (see "Insects Controlled" section): Dilute 1 part concentrate with up to 9 parts oil and mix well. Apply as a coarse wetting spray using approximately 1 gallon of spray mixture for 750 square feet of surface. Spray walls, floor and other surfaces thoroughly, being especially careful to apply the spray into all cracks and crevices in woodwork, walls, floors, underneath sinks, behind pipes and in all places where these insects shelter. Treat both the underside and topside of infested carpets. Spray inside of trunks, closets and infested areas of shelving. Treat unloading, storage, handling and processing areas, in and around bins, conveying, processing and handling equipment. Spray thoroughly around the base of heavy machinery and equipment. Apply around doors and windows, behind and under refrigerators, cabinets, sinks, stoves, and other equipment, the underside of shelves, drawers and similar areas. Do not apply where electrical short circuits could occur. Spray insects directly when possible.

To Kill Accessible Stages of Granary Insects: Dilute 1 part concentrate with up to 9 parts of oil and mix well. Spray outside walls of grain bins, flooring, about base of milling machinery, walls and baseboards, areas behind cabinets, around pipes and other insect harborages using 1 gallon spray per 1,000 square feet of surface.

ANIMAL HOUSING AND PRODUCTION FACILITIES
Use to control flying and crawling insects listed in the "Insects Controlled" section of this label. Apply as a Space Spray application, Crack and Crevice or Spot Treatment, or as a diluted surface spray. Animals raised for milk and meat production must not be present at the time of application. They may be returned to the facility following ventilation (Space Spray) or once the sprayed material has dried (Surface Application).

SPACE SPRAY APPLICATION
To control listed crawling and flying insects. Close doors, windows and shut off all ventilating equipment. Then with a mechanical aerosol generator (no droplets over 50 microns in diameter and 80% less than 30 microns) apply undiluted concentrate at a dosage rate of approximately 0.90 fl oz/1,000 ft^3 of room space. Direct spray toward areas where insects travel, land, harbor and breed, including walls, cages, shelves, ceiling, rafters, support beams, posts, upper areas of facility. Do not allow application to contact bulk animal feedstuffs or drinking water. Do not remain in treated areas after application, and leave facility closed for at least 1 hour. Ventilate thoroughly before milk and meat production animals are allowed to re-enter.

SURFACE SPRAY APPLICATION (Including Spot, Crack and Crevice Treatments):
Use diluted concentrate with sprayers that give large, wetting spray particles, to ensure maximum control of listed insects (see "Insects Controlled" section): Dilute 1 part concentrate with up to 9 parts oil and mix well. Apply as a coarse wetting spray using approximately 1 gallon of spray mixture for 1,000 square feet of surface. Spray walls, floor and other surfaces thoroughly, being especially careful to apply the spray into all cracks and crevices, on walls, floors, ceilings, around windows and doors, behind pipes and in all places where these insects shelter. Treat exterior surface of bins, conveying, and handling equipment. Do not apply where electrical short circuits could occur. Spray insects directly when possible. Animals may be returned to treated area once applied spray has dried.

For best results, use as part of an integrated program with a residual spray such as Onslaught Microencapsulated Insecticide, and with an Insect Growth Regulator such as NyGuard IGR Concentrate.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store in a cool, dry (preferably locked) 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:
Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying.

Triple Rinse as follows : Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Offer for recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

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Fogging Concentrate

For Use in Homes, Apartments, Food and Non-Food Areas of: Food Processing Plants, Warehouses, Office Buildings, Hotels, Motels, Schools, Theatres, Hospitals and Other Areas Listed

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REV 0113-0314
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Superscript is the first character of the lot number

Manufactured by:
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