STATE OF HAWAII
Department of Agriculture
ACCEPTED
LICENSE NO. 9454.245 Disc.

1600 X-clude® Formula 2

PRECAUTIONARY STATEMENTS

Peel to Open

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION

Contains Petroleum Distillates. Avoid contact with skin or clothing. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Wear long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear the following: long-sleeved shirt, long pants, chemical-resistant gloves made of any waterproof material, and shoes plus socks.

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 materials that have been drenched or heavily contaminated with product. Do not reuse them.

USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

This product 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, wash-water or rinsate. See Directions for Use for additional precautions and requirements.

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.

PHYSICAL OR CHEMICAL HAZARDS

Flammable. Contents under pressure. Keep away from heat, sparks and open flame. Do not puncture or incinerate container. Exposure to temperatures above 130°F may cause bursting.

Do not spray on plastic, painted, or varnished surfaces or directly into any electronic equipment such as radios, televisions, computers, etc. Do not use this product in electrical equipment (where there is exposed wiring or contact points) due to possibility of short circuits and shock hazard.

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 use on agricultural crops, nurseries, or in commercial greenhouses.
- Do not apply this product in a way that will contact adults, children, or pets, either directly or through drift.
- Only protected handlers may be in the area during application.
- When applying as a space or general surface spray: Do not remain in treated area. Exit area immediately and remain outside the treated area until aerosols, vapors, and/or mists have dispersed, and the treated area has been thoroughly ventilated. Do not allow adults, children or pets to enter the treated area until vapors, mists and aerosols have dispersed, and the treated area has been thoroughly ventilated.
- When applying as a residential outdoor surface and space spray: All outdoor applications must be limited to spot or Crack & Crevice® treatments only, except for the following permitted uses: (1) Treatment to soil or vegetation around structures; (2) Applications to lawns, turf and other vegetation; and (3) Applications to building foundations, up to a maximum height of 3 ft. Other than applications to building foundations, all outdoor applications to impervious surfaces such as sidewalks, driveways, patios, porches and structural surfaces (such as windows, doors and eaves) are limited to spot and Crack & Crevice applications only.
- Do not treat companion animals, such as dogs, cats, puppies or kittens, with this product.
- Do not make applications during rain.
- Do not apply directly to or near water, storm drains or drainage ditches. Do not apply when windy. To prevent product run-off, do not over-water the treated areas(s) or apply when heavy rain is expected.
- When used in restaurants & food handling and processing facilities: Do not make space spray applications while facility is in operation. Prior to space spray operations, cover or remove food; and cover food processing surfaces and equipment or clean after treatment and before reuse. Do not use in serving areas (dining areas where prepared foods are served) while food is exposed.
- 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.
- When used in schools: Do not apply to classrooms when in use.
- Remove pets and birds, cover fish aquariums before spraying.
- When used in health care facilities, remove patients prior to treatment and thoroughly ventilate treated area for 2 hrs before returning patients.
- Do not use in aircraft cabins.
- When used in dairy barns or facilities: Close milk bulk tank lids to prevent contamination from spray and from dead or falling insects. Remove or cover milking utensils before application. Wash teats of animals before milking. Do not apply more than 1 time/day.
- When used for greenhouse grown ornamental and foliage plants: Do not use on Cyclamen and Nasturtium. Do not apply more than 1 time/day.
- Do not wet plants or articles to point of runoff or drip.
- Do not use treated articles until spray has dried.

SHAKE WELL BEFORE USING.

Use this product when can temperature is above 60°F. If can temperature is below 60°F, store at room temperature until a temperature above 60°F is reached.

FOR USE INDOORS AND OUTDOORS ON (RESIDENTIAL USE)

Bedding Plants (such as): Alyssum, Aster, Impatiens, Periwinkle, Petunia, Salvia and Snapdragon

Cut Flowers (such as): Carnation

Foliage (such as): Aluminum Plant, Bird's Nest Fern, Boston Fern, Floss Flower, Friendship Plant, Ivy, Jade Plant (Crassula), Oleander, Orchid, Raphiolepis, Sansevieria, Star Jasmine, Strawflower, Swedish Ivy, Sweet Pea, Velvet Plant (Gynura), Wandering Jew, Wax Plant and Zinnia

Potted Flowering Plants (such as): African Violets, Begonia, Camellia, Chrysanthemum, Cockscomb, Dahlia, Daisy, Dianthus, Flat Topped Sedum, Gardenia, Geranium, Marigold, Tahitian Bridal Veil and Verbena

Ornamentals (such as): Agapanthus, Ageratum, Arrowhead, Azalea, Blue Spruce, Bottlebrush, Cactus, Calendula, Celosia, Coleus, Cotoneaster, Crape Myrtle, Croton, Dogwood, Dusty Miller, Dwarf Lilac, Escallonia, Euonymus, Gazania, Golddust, Honeysuckle, Hydrangea, Ilex, Japanese Aralia, Juniper, Leucothoe, Lilac, Malus, Maranta, Mock Orange, Mugo Pine, Nandina, Ornamental Evergreens, Osmanthus, Pachysandra, Pfitzer Juniper, Photinia, Pineapple Guava, Pittosporum, Podocarpus, Primrose, Privet, Pyracantha, Rhododendron, Rose, Scarlet Sage, Snake Plant, Soft Maple and Spider Plant

PHYTOTOXICITY INFORMATION: This product has been tested on a wide variety of plants and in our opinion has demonstrated excellent plant safety. However, not all varieties or strains of the plants listed have been tested. Unintentional consequences such as plant injury or ineffectiveness may result because of certain environmental or growing conditions, manner of use or application, and insect resistance. Therefore, before treating a large number of plants, spray a

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ORNAMENTALS (RESIDENTIAL USE)

USE INDOORS AND OUTDOORS: at Commercial Structures, Hobby Greenhouses, Homes, Interiorscapes and Landscapes on Potted and Flowering Plants, Foliage, Bedding Plants, Cut Flowers and Ornamentals

KILLS: Ants (excluding Carpenter Ants), Aphids, Beetles (Aster Beetles, Blister Beetles, Cigarette Beetles, Colorado Potato Beetles, Black Widow Spiders, Centipedes, Cockroaches, Cucumber Beetles, Drugstore Beetles, Flea Beetles, House Flies, House Spiders, Japanese Beetles, Rose Chafers, Trogoderma, Watermelon Beetles, Weevils) Caterpillars (Cabbage Worms, Rose Slugs, Hornworms), Crickets, Fungus Gnats, Leafhoppers, Mealy Bugs, Moths, Rose Aphids, Scale, Spider Mites, Stable Flies, Stink Bugs, Tarnished Plant Bugs and Whitefles

ACTIVE INGREDIENTS:

Pyrethrins, *a botanical insecticide*	0.50%
Piperonyl Butoxide, Technical*	2.50%
OTHER INGREDIENTS:	97.00%
	TOTAL: 100.00%

*Equivalent to 2.00% (butylcarbityl) (6-propylpiperonyl) ether and 0.50% of related compounds.

EPA Reg. No: 499-539 • EPA Est. No: 7969-MO-1

KEEP OUT OF REACH OF CHILDREN

CAUTION

See side panels for Precautionary Statements, Directions for Use and Storage & Disposal.

FIRST AID

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 min. Call a poison control center or doctor for treatment advice.

IF SWALLOWED: Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), you may call 1-800-832-HELP 24 hr/day, 7 days/week.

NOTE TO PHYSICIAN: Contains petroleum distillates. Vomiting may cause aspiration pneumonia.

NET WEIGHT: 1 lb, 4 oz (20 oz)

Manufactured for:
Whitmire Micro-Gen Research Laboratories, Inc.®
by BASF Corporation
3568 Tree Court Industrial Blvd.
St. Louis MO 63122-6682
Questions? Call 1-800-777-8570
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few plants and observe for plant damage and for performance prior to full scale application. Plants in bloom should not be treated since petal damage may occur.

INDOORS

USE PRECAUTIONS: Do not use this product in greenhouses with unvented or defective gas heating systems or when open combustion exists.

HOBBY GREENHOUSES, HOMES, INTERIORSCAPES: For light infestations, treat at the rate of 5 sec/100 ft^2. For heavy infestations, treat at the rate of 10 sec/100 ft^2. Dosage is based on 2 ft high plants. Adjust the dosage as necessary based on the height of the foliage. Move can in a fast sweeping motion to provide maximum coverage, maintaining a distance of 18 – 24'' from foliage. Repeat application as necessary, but not more than 1 time/day.

SPOT TREATMENT - FOR INDIVIDUAL PLANTS AND LOCALIZED INFESTATIONS: Spray light mist on upper and lower leaf surfaces at a distance of 18 – 24'' from foliage. Do not wet plants to the point of runoff or drip. Repeat application as necessary but not more than 1 time/day.

OUTDOORS (EXCEPT AGRICULTURAL CROPS, NURSERIES OR COMMERCIAL GREENHOUSES)

LANDSCAPES, ORNAMENTAL PLANTS, SHRUBS: For best results, spray when air is still. Use slow sweeping motion, holding the can 18 – 24'' from plant. Spray rows at the rate of 1 ft/sec. Do not wet plants to the point of runoff or drip. For heavy growth, spray on both sides. Repeat application as necessary, but not more than 1 time/day.

APPLICATION INSTRUCTIONS

CRACK & CREVICE TREATMENT: Use this product with the supplied actuator and injection tubes. Inject this product into cracks and crevices or void spaces where insects may be harboring, living and breeding. Place injector tip into cracks, crevices, holes and other small openings. Release approx. 1 sec of product. For light infestations, move injector tip along cracks while treating at the rate of 3 ft/sec. For heavy infestations, move injector tip along at 1 ft/sec. For closed voids, calculate the void's cubic area and treat at the rate of 5 – 10 sec/3 ft^3. Several holes may be required in long running voids.

SPOT TREATMENTS: Release product onto the surface. Do not exceed 2 ft^2 for each spot treatment. Repeat as necessary, but not more than 1 time/day.

SPACE AND SURFACE TREATMENTS: Space and general surface treatments are permitted for certain applications. See specific instructions. Repeat as necessary, but not more than 1 time/day.

KILLS ACCESSIBLE STAGES OF: Angoumois Grain Moths, Ants (excluding Carpenter Ants), Beetles, Black Widow Spiders, Cadelles, Centipedes, Cigarette Beetles, Clothes Moths, Cockroaches, Confused Flour Beetles, Crickets, Dermestid Beetles, Dried Fruit Beetles, Drugstore Beetles, Eastern Wood Ticks, Firebrats, Grain Mites, Granary Weevils, Honey Bees, House Flies, House Spiders, Indianmeal Moths, Lice, Mealworms, Mediterranean Flour Moths, Millipedes, Mosquitoes, Moths, Pillbugs, Red Flour Beetles, Rice Weevils, Sawtoothed Grain Beetles, Silverfish, Sowbugs, Stable Flies, Trogoderma and Weevils

FOR USE IN AND AROUND: Airplanes (cargo areas only)†, Bakeries, Beverage Plants, Boats, Cabins, Campers, Campgrounds, Canneries, Dairies, Flour Mills, Food Processing Plants, Food Storage Areas, Grain Mills, Homes, Hospitals and Nursing Homes (except inpatient rooms while occupied), Hotels, Industrial Installations, Kennels, Meat Packing Plants, Motels, Office Buildings, Patios, Picnic Areas, Railroad Cars, Recreational Vehicles, Residences, Restaurants, Schools, Ships, Supermarkets, Tents, Trailers, Truck Trailers, Warehouses and Zoos

†Do not use in aircraft cabins.

APPLICATIONS IN FOOD HANDLING ESTABLISHMENTS

FOOD AREAS: Includes areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing, edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups). Serving areas (when food is exposed and facility is in operation) is also considered a food area. **Crack & Crevice and Spot Applications:** Apply prescribed amounts of this product directly into cracks and crevices or voids using injection tube in points between different elements of construction, between equipment and floor, openings leading to voids and hollow spaces in walls, equipment legs and bases where insects hide. Avoid depositing the product onto exposed surfaces or introducing the material into the air. Do not contaminate food, food utensils or food processing surfaces. Remove or cover all food before treatment. For spot treatments, do not exceed 2 ft^2 for each spot treatment. **Space Treatment:** Close all windows and doors and direct fog upward at a rate of 5 – 8 sec/1,000 ft^3. Disperse in all locations. Keep area closed for at least 15 min. Do not make space spray applications in areas of the facility that are in operation. Ensure no one enters the treated area. Prior to space spray applications, cover or remove food; cover food processing surfaces or clean after treatment and before use. Do not apply more than 1 time/day.

NON-FOOD AREAS: Includes areas such as garbage rooms, lavatories, floor drains (to sewers), entries and vestibules, offices, locker rooms, machine rooms, boiler rooms, garages, mop closets and storage areas (after canning or bottling). Apply as a Crack & Crevice, spot or space treatment.

INDOOR TREATMENTS

CRAWLING INSECTS (including Booklice, Cockroaches, Crickets, Firebrats, Silverfish, Spiders (excluding Brown Recluse): Make spot treatment and/or Crack & Crevice injections into hiding places such as cracks and crevices, moist areas, openings around pipes and sinks, under refrigerators and meter boxes. Treat floors, walls, under pallets, behind shelves and drawers. Apply directly on insects in these locations where possible. Space treatment is also permitted. Repeat as necessary, but not more than 1 time/day.

FLEAS AND EASTERN WOOD TICKS: Remove and destroy pet's old bedding and replace with clean, fresh bedding after treatment of pet areas. Apply as a surface spray to infested areas such as pet beds and resting quarters, adjacent cracks and crevices, around baseboards, windows and door frames, local areas of floors (under the edges of carpets and floor coverings), and between/under cushions of upholstered furniture. Do not allow pets to reoccupy treated ares until treated surfaces have thoroughly dried. Do not apply more than 1 time/day. DO NOT USE THIS PRODUCT DIRECTLY ON DOMESTIC/COMPANION ANIMALS (DOGS, CATS, PUPPIES OR KITTENS).

Thoroughly vacuum infested area to capture as many adult fleas as possible. Tightly seal vacuum bag and dispose. Make applications to most surfaces as light as possible, approx. one 20 oz can/412 ft^2. It may be necessary to use a higher volume of spray, approx. one 20 oz can/250 ft^2, on long, dense shag carpets.

ANTS (excluding Carpenter Ants): Apply as a Crack & Crevice or spot treatment to trails, nests and points of entry around doors, book cases and storage areas. Apply directly on insects in these locations where possible.

CARPET BEETLES: Make spot or Crack & Crevice applications on and under edge of floor coverings, under carpets and furniture and in closets or other places where these insects are found. Entire carpets may be treated. When treating entire carpets, see directions under Fleas and Ticks. Repeat application as necessary, but not more than 1 time/day.

STORED PRODUCT PESTS: Make spot and/or Crack & Crevice treatment to localized areas including shelves, cupboards, walls and floors where food products suspected of being infested are stored. Remove or cover food before application. Application is supplemental to good housekeeping, since it will have no effect on insects within packaging. Space treatment is also permitted. Dispose of all infested food packaging. Do not apply more than 1 time/day.

FLYING INSECTS - House Flies, Stable Flies and Mosquitoes: Make spot treatment in insect resting or landing areas. Space treatment is also permitted. Reapply as necessary, but not more than 1 time/day.

AIRCRAFT (CARGO AREAS ONLY): Direct upward at the rate of 2 – 4 sec/1,000 ft^3. Dispense in all locations. Keep the treated area closed for at least 15 min and thoroughly ventilate before re-entry.

INDOOR AND OUTDOOR TREATMENTS

FOR ACTIVE AND HIBERNATING STAGES OF BOXELDER BUGS, ELM LEAF BEETLES AND CLOVER MITES: Inject cracks and crevices and/or voids where these insects may be harboring or hibernating. Infested areas include, but are not limited to, cracks and crevices, behind siding, wall voids, around windows and door frames. Make spot applications around insect entry points. Repeat as necessary, but not more than once every 7 days.

OUTDOOR TREATMENTS

FLYING INSECTS: Treat outside surfaces of screens, doors, window frames or wherever these insects may enter the room. Also treat surfaces around light fixtures on porches, in garages and other places where insects alight or congregate. Repeat as necessary.

Treat normal fly resting areas such as ceilings, upper corners of the area, around windows and doors, light fixtures and other surfaces known to attract flies. Hold can 1 – 2 ft from target surface and apply at the rate of one 20 oz can/250 – 375 ft^2 of surface area. Treat so as to lightly moisten the target surface. Initiate treatment at the beginning of the season and repeat as necessary but not more than 1 time/day.

TO KILL MOSQUITOES OUTDOORS: To kill adult mosquitoes, treat shrubbery, vegetation and other areas where mosquitoes may rest. Direct application of this product to any body of water is prohibited. Apply at the rate of one 20 oz can/250 – 375 ft^2 of surface area. Reapply as necessary, but not more than 1 time/day.

PERIMETER TREATMENT - For crawling insects, such as Ants (excluding Carpenter Ants), Cockroaches, Crickets, Earwigs, Pillbugs, and Sowbugs: Treat infestations of these insects in outdoor areas which are landscaped, planted, mulched or unmaintained. For ants, treat mounds and runways. Repeat applications as infestation warrants and as reinfestations occur, but not more than 1 time/day. Apply to cracks and crevices where insects may enter premises. Areas to be treated include, weep holes, under siding, wall voids, soffits, around attic vents, cracks and crevices, and openings around windows, doors and pipes. Treatment of infested fences and tree holes is permitted. To help prevent infestations of buildings, treat a band of soil 6 – 10 ft wide around and adjacent to the building. Also, treat the building foundation up to a maximum height of 2 – 3 ft and where pests are active and may find entrance. Treat at the rate of 14 sec/100 ft^2.

CAMPGROUNDS, PATIOS AND PICNIC AREAS: Treat in the direction of a slight breeze away from user that allows the product to drift into areas of infestation. Treat while moving away from the treated areas. Allow spray to dissipate before occupying the treated area. Direct treatment from a distance of 4 – 6 ft from flowering plants, shrubbery and grass where the insects may be resting. Treat on and around benches, chairs, garbage cans, patio furniture and tables. Treat in such a manner to avoid human or food contact areas. Do not wet articles to point of runoff or drift. Do not use treated articles until spray has dried.

BOATS, CAMPERS, TENTS, TRAILERS AND RECREATIONAL VEHICLES: Make Crack & Crevice or spot treatment where insects may be harboring or traveling. For space treatment, apply 1 – 3 sec. Keep the treated area closed for at least 15 min and thoroughly ventilate before re-entry.

CABINS: Make Crack & Crevice or spot treatment where insects may be harboring or traveling. For space treatment, close all windows and doors and direct fog upward at a rate of 2 – 4 sec/1,000 ft^3. Disperse in all locations. Keep the treated area closed for at least 15 min and thoroughly ventilate before re-entry.

STORAGE & DISPOSAL

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

PESTICIDE STORAGE: Store away from heat or open flame when not in use. Store in a cool, dry (preferably locked) area that is inaccessible to children and animals.

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

CONTAINER HANDLING: Do not puncture or incinerate! **If empty:** Offer for recycling, if available. **If partly filled:** Call your local solid waste agency for disposal instructions.

Contains no CFCs or other ozone depleting substances.
Federal regulations prohibit CFC propellants in aerosols.

CONTAINS NO CFCs WHICH DEPLETE THE OZONE LAYER
NO CFCs

CONDITIONS OF SALE AND WARRANTY

Follow the **Directions for Use**. It is impossible to eliminate all risks inherently associated with use of this product, and therefore all such risk shall be assumed by the Buyer. Whitmire warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the **Directions for Use**, subject to the inherent risks, referred to above. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW: (A) WHITMIRE MAKES NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR PARTICULAR PURPOSE OR MERCHANTABILITY, (B) BUYER'S EXCLUSIVE REMEDY AND WHITMIRE'S AND SELLER'S EXCLUSIVE LIABILITY, WHETHER IN CONTRACT, TORT, NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL BE LIMITED TO REPAYMENT OF THE PURCHASE PRICE OF THE PRODUCT, AND (C) WHITMIRE AND THE SELLER DISCLAIM ANY LIABILITY FOR CONSEQUENTIAL, INCIDENTAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. Whitmire and the Seller offer this product, and the Buyer accepts it, subject to these **Conditions of Sale and Warranty** which may be varied only by agreement in writing signed by a duly authorized representative of Whitmire.