Insect Growth Regulator
An insect growth regulator (IGR) for use in homes, apartments, schools, warehouses, offices, and other private, commercial or public buildings, in non-food preparation areas of food handling and processing establishments, in transport vehicles, animal housing facilities, and outdoor perimeter treatments on and adjacent to buildings and structures, and in pet areas

Active Ingredient:
2-[1-methyl-2-(4-phenoxypyenoxy) ethoxy] pyridine . . . . 1.3%
Other Ingredients* 98.7%
Total: 100.0%

*Contains petroleum distillates

KEEP OUT OF REACH OF CHILDREN.

CAUTION
Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

See additional precautionary statements and directions for use in booklet.

EPA Reg. No. 100-1111
EPA Est. 1021-MN-2
SCP 1111A-L1C 0703
1 pint (473 ml.)
Net Contents

SYNGENTA warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated in the Directions for Use, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of the product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or SYNGENTA, and Buyer and User assume the risk of any such use. SYNGENTA MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

In no event shall SYNGENTA or Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SYNGENTA AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF SYNGENTA OR SELLER, THE REPLACEMENT OF THE PRODUCT. SYNGENTA and Seller offer this product, and Buyer and User accept it, subject to the foregoing Conditions of Sale and Limitation of Warranty and Liability, which may not be modified except by written agreement signed by a duly authorized representative of SYNGENTA.

FIRST AID

If in eyes
- 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 or doctor for treatment advice.

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 swallowed
- Call a poison control center or doctor immediately for treatment advice.
- Do not give any liquid to the person.
- Do not induce vomiting unless told to do so by the poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

If inhaled
- 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 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.

HOTLINE NUMBER
For 24-Hour Medical Emergency Assistance (Human or Animal) or Chemical Emergency Assistance (Spill, Leak, Fire, or Accident), Call 1-800-888-8372

DIRECTIONS FOR USE
It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read all precautions and use directions completely before use. FAILURE TO FOLLOW THE DIRECTIONS FOR USE AND PRECAUTIONS ON THIS LABEL MAY RESULT IN POOR INSECT CONTROL OR ILLEGAL RESIDUES.
For best results, follow directions for specific use areas. Do not use this product in or on electrical equipment due to possibility of shock hazard. Avoid excessive wetting of carpet, draperies, and furniture. Always test in a hidden area prior to use, as some natural and synthetic fibers may be adversely affected by any liquid product.

The active ingredient in Archer Insect Growth Regulator is pyriproxyfen, an insect growth regulator (juvenile hormone mimic). Archer Insect Growth Regulator acts similarly to insect growth hormones that occur naturally in insects and acts on the immature life stages of the target insect, preventing the adult from developing. In some species, such as fleas and flies, Archer Insect Growth Regulator also has activity on adult insects by affecting the reproductive organs.

Archer Insect Growth Regulator will control cockroaches, fleas, ants, litter beetles, crickets, ticks, and flying insect pests in and around homes, apartments, non-food storage and preparation areas of agricultural, industrial, institutional and commercial buildings, and transport vehicles. Archer Insect Growth Regulator may be used to create outside treated perimeter areas around structures with treatments to soil, mulch, perimeter landscape plantings or grass to prevent indoor invasion by listed pest species. Archer may not be applied directly to raw agriculture, food/feed commodities in warehouses, or transportation vehicles, but may be applied in storage areas where food items are sealed, such as bottled, boxed, or canned items, so that food contact is not anticipated.

**GENERAL INFORMATION**

**Recommended Application Rates:**

<table>
<thead>
<tr>
<th>Pest</th>
<th>*Amount of Archer per gal. of water</th>
<th>**Amount of Archer per unit area</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ants</td>
<td>2 fl. oz./gal. (0.02%)</td>
<td>2 fl. oz./1,000 sq. ft.</td>
<td>Apply to nesting and travelled areas.</td>
</tr>
<tr>
<td>Cockroaches, crickets</td>
<td>2 fl. oz./gal. (0.02%)</td>
<td>2 fl. oz./1,000 sq. ft.</td>
<td>Increase carrier (water) volume as necessary for good surface wetting (e.g., in mulch) along exterior walls.</td>
</tr>
<tr>
<td>Fleas, ticks, carpet beetles</td>
<td>1 fl. oz./gal. (0.01%)</td>
<td>1 fl. oz./1,500 sq. ft.</td>
<td>Increase carrier (water) volume as necessary for penetration of dense materials, e.g., thick carpet and vegetation along exterior walls.</td>
</tr>
<tr>
<td>Flying insects:</td>
<td>1 fl. oz./gal. (0.01%)</td>
<td>1 fl. oz./1,500 sq. ft.</td>
<td>Wet surfaces used for resting and breeding.</td>
</tr>
<tr>
<td>(Flies, gnats, midges, mosquitoes, and moths)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Litter beetles:</td>
<td>1 fl. oz./gal. (0.01%)</td>
<td>1 fl. oz./1,500 sq. ft.</td>
<td>Wet surfaces used for resting and breeding. Increase carrier (water) volume as necessary for penetration of litter and bedding materials.</td>
</tr>
<tr>
<td>(Deremestids, darkling, hide2, and carrion beetles3)</td>
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</tbody>
</table>

**Common units of measure:** 1 oz. = 28 mL.; 1 pt. = 16 oz.; 1 gal. = 3.8 L.

1 In CA, only for use on Lone Star ticks.
2 Not approved for use in CA.

**APPLICATION PROCEDURES**

Archer Insect Growth Regulator should be mixed in water, utilizing the marked increments on the squeeze-and-pour bottle according to the following rates. For “crack and crevice” and “spot” treatment, follow the rate per gal. of water. For “area” and “general surface” treatment, follow the rate per unit area* to ensure good coverage.

**MIXING PROCEDURE**

Archer Insect Growth Regulator is intended to be mixed with water and applied with application equipment, such as hand-held, backpack, or power spray equipment. Prepare an application dilution by adding 1-2 oz./gal. of water according to the rate recommendation for the target pest as given above.

1. Fill applicator container ½ full with water.
2. Add the amount of Archer Insect Growth Regulator to container as recommended in the rate table.
3. Shake, stir, or agitate.
4. Fill applicator tank with water to final volume recommended in rate table.
5. Shake, stir, or agitate again.
6. To assure the highest quality control, prepared dilutions should be used within 24 hours and should be shaken, stirred, or agitated again if diluted material is not used for several hours.

**TREATMENTS IN COMBINATION WITH AN ADULTICIDE**

Archer Insect Growth Regulator may be combined with other insecticides to enhance control of adult insects, such as Demand® CS, Preludio®, or Demon® WP insecticides. The combination provides for immediate control of adult flies, cockroaches, crickets, and flying insects, while inhibiting the development of the immature stages of the pest insect. This application should conform to use precautions and use directions for both products.

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*Archer Insect Growth Regulator is an emulsifiable concentrate.
• Use of Archer Insect Growth Regulator provides a single IGR that provides effective control of cockroaches, fleas, ticks, ants, carpet and litter beetles, and flying insects by preventing the development of juvenile pest stages.
• Archer Insect Growth Regulator can be used as part of an integrated pest management (IPM) program, in combination with other insecticides or alone, and as an aid to prevent the development of insecticide resistance.
• Archer Insect Growth Regulator is photostable for up to 14 days, delivering effective residual control of outdoor pests such as fleas and cockroaches, even in areas with direct sunlight.
• Archer Insect Growth Regulator does not cause stain or odor when used as directed.
• When used as directed, Archer Insect Growth Regulator retains activity against pre-adult fleas for up to 7 months, and against pre-adult cockroaches for up to 6 months.
• Reduces egg production in house flies and prevents larval development into adults.*
CONTROL OF FLEAS, TICKS, AND CARPET BEETLES

Archer Insect Growth Regulator acts on immature stages of fleas, ticks, and beetles to prevent the development of adults. Archer Insect Growth Regulator causes a gradual reduction and ultimate elimination of the pest population by breaking the reproductive cycle through the disruption of the reproductive organs.

If a high population of adult fleas, ticks, or carpet beetles is present, the use of an adulticide may be necessary for immediate control. Archer Insect Growth Regulator may be combined with flea adulticides such as Prelude insecticide indoors, or Demand CS, or Demon WP insecticide products outdoors. Archer Insect Growth Regulator may be applied to the foundation wall of residential and non-residential buildings,的前提 treatments to perimeter areas and surfaces, and on drains, pipes, plumbing, behind bookcases, storage and other utility installation areas, storage areas, infested furniture, and the inside of cabinets and closets.

Treatments to Interior Areas and Surfaces

Apply dilution of Archer Insect Growth Regulator at the rate of 1 gal./1,000 sq. ft. of area if food is held, prepared, or stored in the area for more than 1 day, or in sufficient volume to achieve adequate coverage. Treat all areas that may harbor insects, including cracks and crevices, around garbage areas and other areas, where cockroaches may congregate.

Treatments to Perimeter Areas and Surfaces

If needed, repeat treatments with Archer Insect Growth Regulator may be made 14 days after previous treatment, or if heavy rainfall occurs, repeat as necessary. Apply directly to building, resting areas, walls, floor, animal bedding and run areas.

Nonfood Areas

Archer Insect Growth Regulator may be used to treat nonfood areas. Nonfood areas include 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 (after canning or bottling). Archer Insect Growth Regulator acts on the nymph stages of cockroaches (German, Asian, and Brown Banded) and Crickets

Archer Insect Growth Regulator acts on the nymph stages of cockroaches and crickets, preventing them from developing into adults. Repeated (weekly, monthly, or quarterly) applications of Archer Insect Growth Regulator or Archer/adulticide combination will result in the development of cockroaches with twisted wings due to the IGR effects of Archer Insect Growth Regulator—these cockroaches are unable to reproduce. The unique properties of Archer Insect Growth Regulator can break the breeding cycle of the cockroach population, when used as directed.

If a high population of adult cockroaches is present, the use of an adulticide insecticide such as Demand CS or Demon WP insecticides may be necessary for immediate control. Archer Insect Growth Regulator complements the rapid activity of Demand CS, or Demon WP insecticides by providing long-term control of cockroach nymphs before they become reproductive adults. Insect Growth Regulator combination with cockroach adulticides is also a useful strategy to minimize the development of resistance in the German cockroach. This application should conform to accepted use precautions and directions for both products. Use Archer Insect Growth Regulator at application rates specified above.

Treatments to Interior Areas and Surfaces

Apply dilution of Archer Insect Growth Regulator in a band 6-10 ft. wide adjacent to the foundation wall of the structure, and apply to a height of 2-3 ft. on the foundation where pests may be active or may find entrance. Apply as a residual application around window frames, doors, garage doors, patios, carports, shutters, and garbage areas and other areas, where cockroaches may congregate.

Treatments to Perimeter Areas and Surfaces

If needed, repeat treatments with Archer Insect Growth Regulator may be made 14 days after previous treatment, or if heavy rainfall occurs, repeat as necessary. Apply directly to building, resting areas, walls, floor, animal bedding and run areas.

Nonfood Areas

Archer Insect Growth Regulator may be used to treat nonfood areas. Nonfood areas include 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 (after canning or bottling).

Food Areas

Archer Insect Growth Regulator is not approved for application to food areas. Do not use in food areas of food handling establishments, restaurants, or other areas where foods are commer-

...
CONTROL OF LITTER BEETLES (Such as Darkling, Hide, and Carrion Beetles)

Archer Insect Growth Regulator can be applied to litter, such as in poultry houses infested with litter beetles, to break the life cycle of these insect pests. When used as directed, Archer Insect Growth Regulator will not harm beneficial insects in animal litter or bedding, such as predatory wasps. Make uniform application of Archer Insect Growth Regulator to litter at the rate of 1 oz. of Archer Insect Growth Regulator concentrate per 1,500 sq. ft. space in sufficient volume of water to thoroughly wet the litter. For effective prevention of beetle larvae in litter, remove animals from immediate treatment area and old litter. Surface treatments immediately after animals are removed and again just prior to new animal placement are most effective. Adult egg-laying beetles can be killed with an adulticide, such as Demand CS. Application of adulticides to walls and floors at cleanout, before reintroduction of animals, will suppress beetles that escaped earlier treatment and will help delay onset of future infestations. Pay attention to areas where beetles frequently occur, such as walls, supports, cages, stalls, and around feeders. Do not contaminate food, feed, or water.

Apply Archer Insect Growth Regulator uniformly at the rate of 1 oz. per 1,500 sq. ft. to floor area and to walls, posts, and cage framing (birds grown in cages only). Application should also be made into cracks and crevices around insulation. Reapply after each growout or sanitation procedure. Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply Archer Insect Growth Regulator or adulticide insecticides, or both, in a uniform band at least 1 ft. up and 1-4 ft. out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.

CONTROL OF ANTS

Apply Archer Insect Growth Regulator at the rate of 2 fl. oz. diluted in water per 1,000 sq. ft. to interior areas where ants are actively foraging, and in a band 6-10 ft. wide adjacent to the foundation walls of the building. Apply to ant trails and areas where ants may gain entrance to the structure. Archer Insect Growth Regulator may be used in alternation or in a tank mix combination with an adulticide insecticide, such as Demand CS, Prelude, or Demon WP insecticides.

- If needed, repeat treatments with Archer Insect Growth Regulator may be made 14 days after previous treatment, or if heavy rainfall occurs, repeat as necessary.

CONTROL OF FLYING INSECT PESTS (Such as Flies, Gnats, Midges, Mosquitoes, and Moths)

General Surface Treatments

For control of House Flies, Stable Flies, Moths, Mosquitoes, Nuisance Flies (Gnats, Midges), and other similar flying insect pests such as those classified as Dipterous or Hymenopterous, Archer Insect Growth Regulator is similar to insect growth hormones that occur naturally in flies and other flying insects, having effects on both adult and juvenile stages. In house flies, Archer Insect Growth Regulator will cause a decrease in the number and hatching of eggs laid by treated adults. Fly larvae (maggots) show physiological and functional defects leading to the inability to develop into normal adults. When used as directed, Archer Insect Growth Regulator will not harm beneficial insects in animal litter or bedding, such as predatory wasps. Make applications in accordance with those label instructions that are consistent for each product. Prepare the tank mix using the recommended label rate of adulticide and Archer Insect Growth Regulator by adding the adulticide first and making sure it is well mixed and in suspension, then adding the correct amount of Archer Insect Growth Regulator according to the label instructions below.

Archer Insect Growth Regulator may be combined with an adulticide insecticide, such as Demand CS, that is registered for the control of flying insects. The combination would provide for immediate control of adult flying insects such as flies on resting surfaces, such as walls and overhead areas, while preventing immigration of insect stages from developing into adults. This combination application should conform to accepted use precautions and directions for both products. Use Archer Insect Growth Regulator at application rates specified above and refer to other adulticide labels for specific rates and restrictions.

Treatments in, on, and Around Livestock and Poultry Housing and Pet Kennels

Archer Insect Growth Regulator may be used by pest control operators or livestock producers in livestock housing structures (including poultry houses) and pet kennels to control flying insect pests. Apply as a general surface, fogger, aerosol, or a crack and crevice application to areas where flying pests collect or breed.

For surface applications, thoroughly wet floors, walls, ceilings, doors, around windows, garbage and refuse areas. When used as directed, Archer Insect Growth Regulator will cause a decrease in the number and hatching of eggs laid by treated adults. Archer Insect Growth Regulator will not harm beneficial insects in animal litter or bedding, such as predatory wasps. Control will be enhanced when facilities are cleaned and interior applications are supplemented with exterior perimeter treatments.

- Treat bird cages or stock pens only after removal of animals.
- Do not make interior applications of Archer Insect Growth Regulator in areas of facility where animals are present.
- Allow treated areas to dry before allowing animals back in treated areas of facility.
- Do not contaminate or apply to food or foodstuffs, water or watering equipment.

Treatments to Interior Areas and Surfaces

Use 1 fl. oz. of Archer Insect Growth Regulator per gal. of water and apply to 1,500 sq. ft. of surface area, or in sufficient volume to achieve adequate coverage. Treat all areas where flying insects may collect, rest or breed, including vertical walls, ceilings, pipes, conduit, stalls, stanchions, floors, and walkways. When Archer Insect Growth Regulator is used alone, treatments can be extended to animal bedding, manure, and other potential areas where flying insects may breed.

Treatments to Perimeter Areas and Surfaces

Use 1 fl. oz. of Archer Insect Growth Regulator per gal. of water and apply to outside surfaces of buildings, porches, patios, garages, and other areas where these pests have been seen or found. For perimeter control, make a general surface application of 1 oz. of product diluted in water such as to cover 1,500 sq. ft., or in sufficient volume to achieve adequate coverage. To help prevent infestations of buildings by flying insects, treat soil, vegetation, or other substrates in a band 6-10 ft. wide adjacent to the building foundations, walls, around doors and windows, and overhead areas where these pests are active and may find entrance or harborage.
STORAGE AND DISPOSAL

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

Storage
Store in a cool, dry place. Keep container closed.

Pesticide Disposal
Wastes resulting from the use of this product may be disposed of at an approved waste disposal facility.

Container Disposal
Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures allowed by state and local authorities.

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For non-emergency (e.g. current product information) call Syngenta Crop Protection at 1-800-334-9481.

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