

LAMBDA-CYHALOTHRIN	GROUP	3A	INSECTICIDE
NOVALURON	GROUP	15	INSECTICIDE
PYRIPROXYFEN	GROUP	7C	INSECTICIDE

# ProFlex

## Encapsulated Solutions



- Effective control of Fleas, Cockroaches, Flies, Mosquitoes, Gnats, Crickets & Ants
- Contains adulticide and two IGRs
- Convenient combination product
- For indoor/outdoor use

For use in, on and around buildings and structures for the control of listed pests. May also be used on lawns, turfgrass, ornamental trees, ornamental grasses and shrubs around residential, institutional, public, commercial, agricultural and industrial buildings, parks, recreational areas, golf course out of play areas (including native planting areas, around clubhouses, outbuildings and on-course lavatories) and athletic fields.

### ACTIVE INGREDIENTS:

Lambda-cyhalothrin <sup>†**</sup>	3.88%
Novaluron	1.30%
Pyriproxyfen <sup>†</sup>	1.30%

OTHER INGREDIENTS: 93.52%

TOTAL: 100.00%

<sup>†</sup>Lambda-cyhalothrin and Pyriproxyfen are encapsulated

<sup>\*\*</sup>Synthetic pyrethroid

Contains 0.34 lbs. Lambda-cyhalothrin,

0.11 lbs. Novaluron and 0.11 lbs.

Pyriproxyfen per gallon.

EPA Reg. No. 53883-427

NET CONTENTS: 1 QUART



ADAMA

**KEEP OUT OF  
REACH OF CHILDREN  
CAUTION/  
PRECAUCIÓN**

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 attached booklet.**

EPA Est. No. 53883-TX-002

Manufactured by:

**Control Solutions Inc.**

5903 Genoa-Red Bluff, Pasadena, TX 77507

A member of Adama

Consumer and Professional Solutions

EPA 042621

<b>FIRST AID</b>	
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Call a poison control center or doctor immediately for treatment advice.</li> <li>• Have person sip a glass of water if able to swallow.</li> <li>• <b>DO NOT</b> induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• <b>DO NOT</b> give anything by mouth to an unconscious person.</li> </ul>
<b>IF ON SKIN:</b>	<ul style="list-style-type: none"> <li>• Take off contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Call a poison center or doctor for treatment advice.</li> </ul>
<p>Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also contact SafetyCall® International for emergency medical treatment at (866) 897-8050.</p>	

## **PRECAUTIONARY STATEMENTS**

### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Harmful if swallowed. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

### **ENVIRONMENTAL HAZARDS**

This product is extremely toxic to fish and aquatic invertebrates. To protect the environment, **DO NOT** allow pesticide to enter or run off into storm drains, drainage ditches, gutters, or surface waters. Applying this product in calm weather when rain is not predicted for the next 24 hours will help ensure that wind or rain does not blow or wash pesticide off the treatment area. Rinsing application equipment over the treated area will help avoid runoff to water bodies or drainage systems. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Apply this product only as specified on this label.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. **DO NOT** apply this product or allow it to drift to blooming crops or weeds if bees are foraging the treatment area.

### **PHYSICAL AND CHEMICAL HAZARDS**

**DO NOT** mix or allow contact with oxidizing and reducing agents or a hazardous chemical reaction may occur. **DO NOT** use this product in or on electrical equipment due to the possibility of shock hazard.

### **PRODUCT INFORMATION**

**ProFlex** includes an adulticide and 2 insect growth regulators. The insect growth regulators, novaluron and pyriproxyfen, prevent immature insects from developing into reproductive adults. The adulticide, lambda-cyhalothrin, will kill insect pests. **ProFlex** is for use as a general surface (nonfood/nonfeed areas), crack and crevice, or spot treatment in, on, and around buildings and structures and their immediate surroundings, and on modes of transport. Areas of use include: industrial buildings, houses, beneath awnings, porches, closets, furniture, apartment buildings, mobile homes, laboratories, buses, greenhouses (non-commercial), stores, factories, warehouses, wineries, vessels, railcars, trucks, trailers, aircraft (cargo and other non-cabin areas only), schools, nursing homes, hospitals, mausoleums, restaurants, hotels, correctional facilities, livestock/poultry housing, pet kennels, food granaries, food grain mills and food manufacturing, processing, and servicing establishments. ProFlex may also be used on lawns, turfgrass, ornamental trees, ornamental grasses and shrubs around residential, institutional, public, commercial, agricultural and industrial buildings, parks, recreational areas, golf course out of play areas (including native planting areas, around clubhouses, outbuildings and on-course lavatories) and athletic fields.

### **DIRECTIONS FOR USE**

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

**IMPORTANT:** Not for use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. For use on plants intended for aesthetic purposes or climatic modification and being grown in interior landscapes, ornamental gardens or parks, or on lawns or grounds.

## Resistance-Management Recommendations

For resistance management, please note that **ProFlex** contains a Group 3A (Lambda-Cyhalothrin), a Group 15 (Novaluron) and a Group 7C (Pyriproxyfen) insecticide. Any insect population may contain individuals naturally resistant to **ProFlex** and other Group 3A, 15 or 7C insecticides. The resistant individuals may dominate the insect population if this group of insecticides are used repeatedly in the same fields/sites. Appropriate resistance-management strategies should be followed.

To delay insecticide resistance, take the following steps:

- Use tank mixtures with insecticides from a different group that are equally effective on the target pest when such use is permitted. **DO NOT** rely on the same mixture repeatedly for the same pest population. Consider any known cross-resistance issues (for the targeted pests) between the individual components of a mixture. In addition, consider the following recommendations provided by the Insecticide Resistance Action Committee (IRAC):
  - o Individual insecticides selected for use in mixtures should be highly effective and be applied at the rates at which they are individually registered for use against the target species.
  - o Mixtures with components having the same IRAC mode of action classification are not recommended for insect resistance management.
  - o When using mixtures, consider any known cross-resistance issues between the individual components for the targeted pest(s).
  - o Mixtures become less effective if resistance is already developing to one or both active ingredients, but they may still provide pest management benefits.
  - o The insect resistance management benefits of an insecticide mixture are greatest if the two components have similar periods of residual insecticidal activity. Mixtures of insecticides with unequal periods of residual insecticide activity may offer an insect resistance management benefit only for the period where both insecticides are active.
- Adopt an integrated pest management program for insecticide use that includes scouting, uses historical information related to pesticide use, crop rotation, record keeping, and which considers cultural, biological and other chemical control practices.

- Monitor after application for unexpected target pest survival. If the level of survival suggests the presence of resistance, consult with your local university specialist or certified pest control advisor.
- Contact your local extension specialist or certified crop advisor for any additional pesticide resistance-management and/or IPM recommendations for the specific site and pest problems in your area.
- For further information or to report suspected resistance contact Control Solutions, Inc. at 800-242-5562 or at [controlsolutionsinc.com](http://controlsolutionsinc.com)

### **SPRAY DRIFT ADVISORIES**

THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT.

BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.

### **IMPORTANCE OF DROPLET SIZE**

An effective way to reduce spray drift is to apply large droplets. Use the largest droplets that provide target pest control. While applying larger droplets will reduce spray drift, the potential for drift will be greater if applications are made improperly or under unfavorable environmental conditions.

### **SHIELDED SPRAYERS**

Shielding the boom or individual nozzles can reduce spray drift. Consider using shielded sprayers.

Verify that the shields are not interfering with the uniform deposition of the spray on the target area.

### **TEMPERATURE AND HUMIDITY**

When making applications in hot and dry conditions, use larger droplets to reduce effects of evaporation.

## **TEMPERATURE INVERSIONS**

Drift potential is high during a temperature inversion. Temperature inversions are characterized by increasing temperature with altitude and are common on nights with limited cloud cover and light to no wind. The presence of an inversion can be indicated by ground fog or by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves laterally in a concentrated cloud (under low wind conditions) indicates an inversion, while smoke that moves upward and rapidly dissipates indicates good vertical air mixing. Avoid applications during temperature inversions.

## **WIND**

Drift potential generally increases with wind speed. **AVOID APPLICATIONS DURING GUSTY WIND CONDITIONS.**

Applicators need to be familiar with local wind patterns and terrain that could affect spray drift.

### **Handheld Technology Applications:**

Take precautions to minimize spray drift.

This product is **RESTRICTED** for use in New York State.

## **USE RESTRICTIONS**

- **DO NOT** allow children or pets to contact treated surfaces until spray has dried.
- **DO NOT** use this product with oil.
- **DO NOT** apply this product in any room being used as living, eating, sleeping, or recovery area by patients, the elderly, or infirm while they are in the room.
- **DO NOT** apply to institutions (including libraries, sports facilities, etc.) in the immediate area when occupants are present.
- **DO NOT** apply to classrooms when in use.
- **DO NOT** apply this product to edible growing crops or stored raw agricultural commodities used for food or feed.
- **DO NOT** allow applications to contact water inhabited by fish, such as in aquariums and ornamental fish ponds that are located in/around sites/structures being treated.

### **Application Restrictions for Residential Outdoor Surface and Space Sprays:**

- All outdoor applications must be limited to spot or crack and crevice treatments only, except for the following permitted uses:
  1. Applications to soil or vegetation around structure;
  2. Applications to lawns, turf, and other vegetation;
  3. Applications to building foundations, up to a maximum height of 2 feet above grade;
  4. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning or other structure;
  5. Applications around potential pest entry points into buildings, when limited to a surface band not to exceed one inch in width;
  6. Applications made through the use of a coarse, low pressure spray to only those portions of surfaces that are directly above bare soil, lawn, turf, mulch or other vegetation, as listed on this label, and not over an impervious surface, drainage or other condition that could result in runoff into storm drains, drainage ditches, gutters, or surface waters, in order to control occasional invaders or aggregating pests.
- **DO NOT** water the treated area to the point of runoff after application.
- **DO NOT** make applications during rain.
- **DO NOT** apply directly to sewers or drains, or to any area like a gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur, except as directed by this label.
- In New York State, this product may not be applied to turf within 100 ft. of a coastal marsh or streams that drain into a coastal marsh.

### **Mixing Instructions**

Dilute **ProFlex** with water for application using hand-held or power-operated application equipment as a coarse spray for crack and crevice or spot and general surface (nonfood/ nonfeed areas only) treatments. Application equipment that delivers low volume treatments, such as the Actisol<sup>®</sup> applicator or other similar low volume spray equipment, may also be used to make crack and crevice or spot and general surface treatments. Fill applicator tank with the desired volume of water and add **ProFlex**. Close and shake before use in order to ensure proper mixing. Shake or re-agitate applicator tank before use if application is interrupted. Mix only amount of

treatment volume as required. **ProFlex** may be applied by using a paintbrush or other porous applicator attached to a handle as a general surface treatment. If mixture sits for more than 2 hours, shake well before application.

	% Active Ingredient in Dilution for Labeled Mix Rates	
	1.0 fl.oz. ProFlex Per Gallon of Water	2.0 fl.oz. ProFlex Per Gallon of Water
<b>Lambda-Cyhalothrin</b>	0.03%	0.06%
<b>Novaluron</b>	0.01%	0.02%
<b>Pyriproxyfen</b>	0.01%	0.02%
<b>Total Concentration of Actives</b>	0.05%	0.10%

#### Tank Mixing

**ProFlex** may be tank mixed with other currently registered pesticides unless expressly prohibited by the product label. It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture. A small volume mixing test with the other products is recommended to ensure compatibility. If other chemicals are added to the applicator tank, add **ProFlex** last. If mixed with EC formulations, use within 24 hours. Fill tank to desired volume and continue to agitate while making applications. Unless otherwise noted in the label instructions, use the procedure below for preparation of a new tank mix:

- Add wettable powders to tank water
- Mix well
- Add liquids and flowables
- Mix well
- Add emulsifiable concentrates
- Mix well

Try reversing the order of addition or increasing the amount of water if the combination is not compatible using the above order. **NOTE:** After increasing the amount of water,



if the mixture is found to be compatible, it is necessary to recalibrate the sprayer for a higher volume application. If mixture is allowed to sit for more than 2 hours, shake well before application. **DO NOT** allow mixtures to stand overnight.

### **Foam Applications**

**ProFlex** may be converted to a foam and the foam used to treat structural voids to control or prevent pests including ants, bees, termites (above ground only), wasps, stored product pests, or other listed arthropods harboring in walls, under slabs, or in other void areas.

## **FOOD HANDLING ESTABLISHMENTS**

**(Places other than private residences in which food is held, processed, prepared, or served):**

Food/feed handling establishments are any place other than private residences where exposed food/feed is held, processed, prepared or served, including areas for receiving, storing, packing (bottling, boxing, canning, wrapping), preparing, enclosed processing systems (dairies, edible oils, mills, syrups) of food and edible waste storage. Serving areas where food is exposed and the facility is in operation are also considered food areas.

Use sites that are allowed: Aircraft (cargo areas only), apartments, buildings, bakeries, bottling facilities, breweries, buses, cafeterias, candy plants, canneries, dairy product processing plants, food manufacturing plants, food processing plants, food service establishments, granaries, grain mills, hotels, industrial buildings, laboratories, meat/poultry/egg processing plants, mobile/motor homes, nursing homes, offices, railcars, restaurants, schools, ships, trailers, trucks, vessels, warehouses<sup>†</sup>, wineries.

Nonfood areas in which applications are allowed: entries and vestibules, floor drains (to sewers), garages, garbage rooms, lavatories, locker rooms, machine rooms, mop closets, offices, and storage (after canning or bottling).

**Application within Food Serving Areas:** For facilities where foods are served, apply as a crack and crevice or spot treatment to surfaces: baseboards, under elements of construction, and into voids or where pests are likely to harbor. **DO NOT** treat surfaces

likely to be contacted by food. **DO NOT** apply when facility is in operation or foods are exposed. Food must be removed in area being treated. **DO NOT** apply directly to food or allow applications to contaminate food.

**Application within Food and Non-food Areas:** If used as a spot or crack and crevice treatment, **ProFlex** may be applied in both food/feed and non-food areas of food/feed handling establishments.

Use as a crack and crevice or spot treatment in and around both food and non-food areas. Apply in small amounts directly into cracks and crevices, using equipment capable of delivering a pin stream of insecticide, in points between different elements of construction, between equipment and floor, openings leading to voids and hollow spaces in walls, equipment and bases. Clean food contact surfaces and equipment with an effective cleaning compound and rinse with potable water before using.

Limit individual spot treatments to an area no larger than 20% of the treatable surface. Individual spot treatments may not exceed two sq. ft. Take extreme care that the product is not introduced into the air. **DO NOT** contaminate food and food processing surfaces.

**WAREHOUSES and GROCERY/PET STORES:** **ProFlex** dilution may be applied as a spot or crack and crevice treatment in food and nonfood storage warehouses and stores. Apply to all areas that may harbor pests, including under and between pallets, bins, and shelves. **DO NOT** apply directly to food, grain bins (interior), or animals.

Food must be removed in area being treated. **DO NOT** apply directly to food or allow applications to contaminate food.

**RATES FOR PESTS:  
ANTS (Including Imported Fire Ants):**

Use Sites	Application Method	Application Rate	Use Directions
Interior Surface Application	Low-pressure Spray, Crack and Crevice, Pinstream, Spot or Similar Application	1 - 2 fl. oz. in a minimum of 1 gallon of water to cover 1,000 ft <sup>2</sup>	<p>Apply as a spot or crack and crevice application to any trails around doors and windows and other places where ants may be found. Locate and treat nests. Where ants are trailing inside, apply as a residual surface treatment to active areas such as baseboards, corners, around pipes, in and behind cabinets, behind and under refrigerators, sinks, furnaces and stoves, cracks and crevices. When combining baits and residual surface insecticides, apply surface insecticides in cracks and crevices, along baseboards, and infested surfaces and outside barrier treatments. Use baits in other areas that are untreated by repellent insecticides.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.</p> <p>Repeat application should only take place if there are signs of renewed activity and must not exceed one application every 21 days.</p>

*(continued)*

Use Sites	Application Method	Application Rate	Use Directions
Exterior Perimeter or Around Foundation Walls	Low Pressure Sprayer or Similar Application	1 - 2 fl. oz. in a minimum of 1 gallon of water to cover 1,000 ft <sup>2</sup>	<p>Apply to exterior perimeter or around foundation walls where ants are actively foraging and in a band 6-10 feet wide adjacent to the foundation wall of the building.</p> <p>Repeat treatments may be made 14 days after previous treatment, or if heavy rainfall occurs.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.</p> <p>Prior to outside perimeter treatments, to increase effectiveness of the application, remove debris and leaf litter from next to the foundation, cut back vegetation and branches that touch the foundation, and move or rake back rocks, deep mulch, or other potential pest harborage next to the foundation.</p>

(continued)

Use Sites	Application Method	Application Rate	Use Directions
Perimeter/Lawn	Mound drench or broadcast application	<p>1 - 2 fl. oz. per gallon of water</p> <p>For Fire Ants use 2 fl. oz. per 1 - 2 gallons of water per mound.</p> <p>For broadcast applications use 1 fl. oz in 3 - 5 gallons of water to cover 1,000 ff</p>	<p>For mound treatments, use 1 - 2 gallons of dilution for each mound. Apply a 4-foot diameter circle around and over the mound. For mounds larger than 12 inches, use 2 fl. oz. in 3-5 gallons of water.</p> <p>Application should be made in late evening or early morning, when it is cooler (65 - 80°F) when insects are most active.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.</p> <p>For broadcast applications, apply to turf or lawn, fence lines, or other pervious areas where ants are active.</p>
<p><b>USE RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>• In the home, cover all exposed food processing surfaces and utensils during treatment or thoroughly wash before use if contaminated. Remove exposed food.</li> <li>• <b>DO NOT</b> permit humans or pets to contact treated surfaces until the spray has dried.</li> <li>• Applications to building foundations are restricted to a maximum height of 2 feet above grade.</li> </ul>			

**BED BUGS:**

Use Sites	Application Method	Application Rate	Use Directions
Interior applications	Low-pressure spray, crack and crevice, pin stream, spot or similar application	1 fl. oz. in 1 gallon of water to cover 1,000 ft <sup>2</sup>	Clean floors and surfaces by vacuuming. Apply as a coarse, low-pressure spray to harborage areas including crevices, baseboards, loose plaster, behind bed frames and headboards, beneath beds and furniture, and to box springs and bed frames.  Only if there are signs of renewed activity, repeat application every 14 days.

**USE RESTRICTIONS:**

- **DO NOT** apply to furniture surfaces or mattresses where people will be lying or sitting.
- **DO NOT** treat infested bedding, instead place items in sealed plastic bags, and take for laundering and drying at high temperatures.

**COCKROACHES, CRICKETS, EARWIGS, PILLBUGS, SCORPIONS, AND SPIDERS:**

Use Sites	Application Method	Application Rate	Use Directions
<p>Interior General Surface Application, including Crack and Crevice or Spot Spray Food Serving Areas/Surfaces, Non-food Serving Areas/Surfaces</p>	<p>Pressurized spray system capable of delivering a pin-point or variable spray pattern Low-pressure Sprayer</p>	<p>1 - 2 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup> For Scorpions: 2 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup></p>	<p>Contact as many insects as possible. Apply as a coarse, low pressure spray to all areas where these pests may hide paying attention to places: beneath sinks, behind and beneath stoves and refrigerators, cracks and crevices, around garbage cans, cabinets, along the outside of baseboards, door and window sills, door and window frames and floors, around and on drains, pipes, plumbing, behind bookcases, storage and other utility installation areas, crawlspaces, infested furniture and the inside of cabinets and closets.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.</p> <p>Retreat at 21-day intervals or as necessary to maintain control.</p>

*(continued)*

Use Sites	Application Method	Application Rate	Use Directions
Outdoor Perimeter Treatments	Adjustable hose end sprayer, tank type sprayer, Low-pressure Sprayer or Backpack mister	<p>1 - 2 fl. oz. in a minimum of 1 gallon of water to cover 1,000 ft<sup>2</sup></p> <p>For Scorpions: 2 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup></p>	<p>Apply the band up to 10 ft. wide around the structure (or according to state regulations governing commercial pest control) and upwards along the foundation to 3 ft. and around windows, doors, and roof overhangs. Apply as a coarse spray to thoroughly and uniformly wet the foundation and/or band area so that the insecticide will reach the soil or thatch level where pests may be active. Apply spray around window frames, doors, garage doors, beneath awnings, decks, carports, shutters, around garbage areas, sill plate and other areas where pests may congregate.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.</p> <p>Repeat treatments may be made 14 days after previous treatment, or if heavy rainfall occurs.</p> <p>Prior to outside perimeter treatments, to increase effectiveness of the application, remove debris and leaf litter from next to the foundation, cut back vegetation and branches that touch the foundation, and move or rake back rocks, deep mulch, or other potential pest harborage next to the foundation.</p>

(continued)



Use Sites	Application Method	Application Rate	Use Directions
Perimeter/Lawn	Broadcast Application	<p>For Perimeter: 1 - 2 fl. oz. per gallon of water</p> <p>For Broadcast Applications: 1 - 2 fl. oz. in 3 - 5 gallons of water to cover 1,000 ft<sup>2</sup></p> <p>For Scorpions: 2 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup></p>	For broadcast applications, apply to turf or lawn, fence lines, or other pervious areas where pests are active.
<p><b>USE RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>• In the home, cover all exposed food processing surfaces and utensils during treatment or thoroughly wash before use if contaminated. Remove exposed food.</li> <li>• <b>DO NOT</b> permit humans or pets to contact treated surfaces until the spray has dried.</li> <li>• <b>DO NOT</b> spray into the air; only spray onto the specific use sites.</li> <li>• Applications to building foundations are restricted to a maximum height of 2 feet above grade.</li> </ul>			

**FLEAS AND TICKS:**

Use Sites	Application Method	Application Rate	Use Directions
<p>Under Decks, Crawlspace Interior and Exterior of Kernels and Doghouses (building, resting areas, walls, floor, animal bedding, &amp; run areas)</p>	<p>Adjustable Hose-End Sprayer, Backpack Mister, Tank Type Sprayer, Sprinkling Can or Low Pressure Sprayer</p>	<p>For Fleas: 1 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup></p> <p>For Ticks: 1 - 2 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup></p>	<p>Treat pets and their bedding with EPA registered flea and tick control products, flea or flea and tick collar, pet powder, pet spray, pet dip, pet shampoo, flea shampoo or flea and tick pet shampoo, in conjunction with this application as part of a complete flea control program. Repeat application as needed, but not more than every 21 days. Follow use directions for other EPA registered products that are used in conjunction with <b>ProFlex</b> and use the most restrictive language where applicable. Applications should begin in the spring and can continue until frost to control both larvae and adult ticks.</p>

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Use Sites	Application Method	Application Rate	Use Directions
<p>Exterior Animal Runs, Lawns, Trees, Ornamental Plants &amp; Shrubs and other areas where animals are known to rest</p> <p>For recreational areas, sports fields, parks, golf course out of play areas, native plantings, landscape beds, ornamental grasses, around clubhouse buildings, maintenance facilities, pump houses and on-course lavatories</p>	<p>Adjustable Hose-End Sprayer, Backpack Mister, Tank Type Sprayer, Sprinkling can or Low Pressure Sprayer</p>	<p>For Fleas: 1 fl. oz. in a minimum of 1 gallon water to cover 1,000 ft<sup>2</sup></p> <p>For Ticks: 1 - 2 fl. oz. in a minimum of 1 gallon water to cover 1,000 ft<sup>2</sup></p>	<p>To control fleas, make broadcast applications to shaded areas accessible to pets or other animals. Use 3-5 gallons of water per 1000 ft<sup>2</sup> to ensure penetration of insecticide into the soil. <b>ProFlex</b> contains 2 IGRs; tank mixing additional IGRs is not necessary.</p> <p>To control ticks, apply to vegetation, brush, branches, rock walls, structures and other areas near habitat where ticks may harbor or frequent. Treat entire area rather than making spot treatments, and retreat as necessary to maintain control.</p> <p>If needed, repeat treatments may be made 14 days after last treatment or, if heavy rainfall occurs, repeat as necessary.</p>

(continued)

**USE RESTRICTIONS:**

- Remove pets prior to spraying treatment area.
- **DO NOT** permit humans or pets to contact treated surfaces until the spray has dried.
- **DO NOT** spray into the air, only spray onto the specific use sites. **DO NOT** spray when wind conditions could create a mist to blow back to applicator.
- **DO NOT** apply this product in or around bodies of water.
- **DO NOT** seek young or flowering plants.
- Applications to building foundations are restricted to a maximum height of 2 feet above grade.
- **DO NOT** apply to pasture or cropland.

**FLYING INSECT PESTS (Bees, Flies, Gnats, Hornets, Midges, Mosquitoes, Moths, and Wasps):**

**ProFlex** may be used for the control of house flies, stable flies, moths, mosquitoes, nuisance flies (gnats, midges) and other similar flying pest insects. The insect growth regulators in **ProFlex** cause a decrease in the number and hatching of eggs laid by treated adults. Fly larvae (maggots) treated with **ProFlex** cannot develop into normal adults.

**ProFlex** may be used for control of flying insect pests in, on and around residential, commercial, public, industrial and agricultural buildings. **ProFlex** may be used to control nuisance flies, gnats, midges, and mosquitoes by application into moist breeding areas (potted plants, moist debris or litter) or into areas holding standing water such as gutters, drains, pools and fountains.

Use Sites	Application Method	Application Rate	Use Directions
Interior Applications to Residential, Commercial, Public, Industrial and Agricultural Buildings	Surface (including spot and crack and crevice)	<p>1 - 2 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup> or 1,000 linear feet for crack and crevice</p> <p>For Bees and Wasps: 1 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup></p>	<p>Apply directly to walls, ceilings, window screens, and other nesting areas as a residual surface treatment. May be used inside residential buildings as well as in and around carports, garages, and storage sheds. Thoroughly spray all areas where these pests may hide paying attention to places: crawlspaces, beneath sinks, behind and beneath stoves and refrigerators, cracks and crevices, around garbage cans, cabinets, along the outside of baseboards, door and window sills, door and window frames and floors, around and on drains (that lead to sewers), pipes, plumbing, behind bookcases, storage and other utility installation areas, infested furniture and the inside of cabinets and closets.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present (except in California).</p> <p>Repeat application only if there are signs of renewed activity and <b>DO NOT</b> exceed one application every 21 days.</p>

(continued)

Use Sites	Application Method	Application Rate	Use Directions
<p>Exterior applications to residential, commercial, public, industrial and agricultural buildings around clubhouse buildings, maintenance facilities, pump houses and on-course lavatories</p>	<p>General Surface (including Broadcast, Spot and Crack and Crevice)</p>	<p>1 - 2 fl. oz. in a minimum of 1 gallon of water to cover 1,000 ft<sup>2</sup> or 1,000 ft<sup>2</sup> linear feet for crack and crevice</p> <p>For Bees and Wasps: 1 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup></p>	<p>Apply to outside surfaces of buildings, porches, beneath awnings, garages and other covered areas where these pests have been seen or found. To help prevent infestations of buildings by flying pests, treat soil, vegetation or other substrates in a band 6-10 feet 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.</p> <p>For surface applications, thoroughly wet doors, around windows, garbage and refuse areas. Apply to foliage and ornamental plants as well as into moist breeding areas: potted plants, moist debris or litter. Control will be enhanced when facilities are cleaned and interior applications are supplemented with products registered for exterior perimeter treatments.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.</p> <p>Prior to outside perimeter treatments, to increase effectiveness of the application remove debris and leaf litter from next to the foundation, cut back vegetation and branches that touch the foundation, and move or rake back rocks, deep mulch, or other potential pest harborage next to the foundation.</p>

(continued)

Use Sites	Application Method	Application Rate	Use Directions
<p>Exterior applications to residential, commercial, public, industrial and agricultural recreational areas, parks, lawns, golf course out of play areas, native plantings, landscape beds, ornamental grasses</p>	<p>General surface (including broadcast, spot and crack and crevice)</p>	<p>1 - 2 fl. oz. in a minimum of 1 gallon of water to cover 1,000 ft<sup>2</sup> or 1,000 ft<sup>2</sup> linear feet for crack and crevice            For Bees and Wasps:            1 fl. oz. per gallon of water to cover 1,000 ft<sup>2</sup></p>	<p>Apply where listed pests may rest, harbor or breed, contacting as many insects as possible: tall grass, foliage, landscape plantings, building foundations, soil beneath decks, backyards and lawns and on exterior surfaces of structures where listed pests may rest. Pay particular attention to the underside of plant leaves and resting sites. Indoor control of flying pests can be enhanced by perimeter treatments.            Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.            Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure, or if there are signs of renewed insect activity. <b>DO NOT</b> apply more than once every 14 days.</p>

(continued)

Use Sites	Application Method	Application Rate	Use Directions
<p>(For Mosquito Control Only)</p> <p>Exterior applications to residential, commercial, public, industrial and agricultural buildings</p> <p>For recreational areas, parks, golf course, out of play areas, native plantings, landscape beds, ornamental grasses, around clubhouse buildings, maintenance facilities, pump houses and on-course lavatories</p>	<p>Hand-held and backpack sprayers or mist blowers, ground sprayers, power sprayers</p>	<p>1 - 2 fl. oz. in 2 - 5 gallons of water to cover 1,000 ft<sup>2</sup> (*see dilution chart below for additional information)</p>	<p>Apply where mosquitoes: may rest, harbor or breed, contacting as many mosquitoes as possible. This includes, but is not limited to, tall grass, foliage, landscape plantings, building foundations, soil beneath decks, backyards and lawns. The ideal target area is the bottom 20 feet of trees. Pay particular attention to the underside of plant leaves and other resting sites.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.</p> <p>Retreatment may be necessary to achieve and/or maintain control during periods of high pest pressure, or if there are signs of renewed insect activity. <b>DO NOT</b> apply more than once every 14 days.</p> <p><b>DO NOT</b> apply by air or with handheld or truck mounted cold aerosol ULV sprayers and thermal fogging devices.</p> <p>For best results apply when the mosquitoes are most active. Apply during the cooler hours of the night or early mornings.</p> <p><b>DO NOT</b> spray in or near fishponds or other bodies of water.</p>

(continued)



**USE RESTRICTIONS:**

- In the home, cover all food processing surfaces and utensils during treatment or thoroughly wash before use if contaminated. Remove exposed food.
- **DO NOT** permit humans or pets to contact treated surfaces until the spray has dried.
- **DO NOT** spray into the air; only spray onto the specific use sites.
- Applications to building foundations are restricted to a maximum height of 2 feet above grade.
- **DO NOT** make outdoor broadcast applications when wind speed is 15 mph or greater.

**\*Dilution chart for mosquito control applications only**

Application Volume gals. Of Solution per 1,000 sq. ft.	Application Rate fl. oz. of ProFlex per 1,000 sq. ft.	Fl. oz. of ProFlex to Dilute in Water According to Spray Tank Volumes	
		5 gallons	10 gallons
2 gallons/1000 ft <sup>2</sup>	1 - 2 fl. oz.	2.5 - 5.0	5 - 10
3 gallons/1000 ft <sup>2</sup>	1 - 2 fl. oz.	1.7 - 3.4	3.3 - 6.7
4 gallons/1000 ft <sup>2</sup>	1 - 2 fl. oz.	1.25 - 2.5	2.5 - 5.0
5 gallons/1000 ft <sup>2</sup>	1 - 2 fl. oz.	1 - 2	2 - 4

**STORED PRODUCT PESTS (Including Carpet Beetles, Cigarette Beetles, Confused Flour Beetles, Dermestid Beetles, Indian Meal Moths, Lesser Grain Borers, Merchant Grain Beetles, Red Flour Beetles, Rice Moths, Tobacco Moths, Saw-toothed Grain Beetles, and Warehouse Beetles):**

**Spray Mixing for Surface, Spot, Crack and Crevice Application:** Prepare a diluted spray solution by adding 1 fluid ounce of **ProFlex** per gallon of water. Partially fill the mixing container with water, add **ProFlex**, agitate and fill to final volume. Agitate before each spray application.

Use Sites	Application Method	Application Rate	Use Directions
Surface Application, including Spot, Crack and Crevice  Residential and commercial food serving areas/surfaces, non-food serving areas/surfaces	Pressurized spray system capable of delivering a pin-point or variable spray pattern  Low-pressure Sprayer	1 fl. oz. per gallon of water to cover 1,000 ft <sup>2</sup>	For treatment of food processing and food handling establishments and in food and non-food storage warehouses (Places other than private residences in which food is held, processed, prepared, or served.)  <b>Crack and Crevice applications</b> may be made directly to cracks and crevices, baseboards, floors, ceilings, walls, expansion joints, molding, areas around water and sewer pipes, voids where pests can hide and similar areas.  <b>Spot treatments</b> may also be made around storage areas, closets, around water pipes, doors and windows, behind and under refrigerators, cabinets, sinks, stoves and other equipment, shelves, drawers and similar areas.  Contact as many insects as possible.  Repeat application only if there are signs of renewed activity and <b>DO NOT</b> exceed one application every 21 days.

(continued)

**USE RESTRICTIONS:**

- Remove all utensils, uncovered foodstuffs (or any having original package opened), and shelf paper before making application. Allow treated surfaces to dry and cover shelves with clean paper before replacing any utensils, foodstuffs, or other items. Exposed food should be covered or removed.
- Destroy any foodstuff accidentally contaminated with treatment solution.
- **DO NOT** permit humans or pets to contact treated surfaces until the spray has dried.
- **DO NOT** spray into the air; only spray onto the specific use sites.
- During any overhead applications to overhead interior areas of structures, except for soil surfaces in crawlspaces, cover surfaces below with plastic sheeting or similar materials.
- Wear protective clothing, unvented goggles, gloves and respirator, when applying to overhead areas or in poorly ventilated areas. **DO NOT** touch sprayed surfaces until spray has completely dried.

**OCCASIONAL INVADERS (Beetles, Boxelder Bugs, Centipedes, Earwigs, Firebrats, Millipedes, Silverfish, Sowbugs, Stink Bugs and other aggregating pests):**

Use Sites	Application Method	Application Rate	Use Directions
<p>Interior                      General Surface Application, including Crack and Crevice or Spot Spray                      Food Serving Areas/Surfaces,                      Non-food Serving Areas/Surfaces</p>	<p>Pressurized spray system capable of delivering a pin-point or variable spray pattern                      Low-pressure Sprayer</p>	<p>1 - 2 fl. oz. per gallon of water to cover 1,000 ff</p>	<p>Contact as many insects as possible. Apply as a coarse, low pressure spray to all areas where these pests may hide paying attention to: beneath sinks, behind and beneath stoves and refrigerators, cracks and crevices, around garbage cans, cabinets, along the outside of baseboards, door and window sills, door and window frames and floors; around and on drains, pipes, plumbing, behind bookcases, storage and other utility installation areas, crawlspaces, infested furniture and the inside of cabinets and closets.                      Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.                      Retreat at 21-day intervals or as necessary to maintain control.</p>

*(continued)*

Use Sites	Application Method	Application Rate	Use Directions
Outdoor Perimeter Treatments	Adjustable hose end sprayer, tank type sprayer, Low-pressure Sprayer or Backpack mister	1 - 2 fl. oz. in a minimum of 1 gallon of water to cover 1,000 ft <sup>2</sup>	<p>Apply the band up to 10 ft. wide around the structure (or according to state regulations governing commercial pest control) and upwards along the foundation to 3 ft. and around windows, doors, and roof overhangs. Apply as a coarse spray to thoroughly and uniformly wet the foundation and/or band area so that the insecticide will reach the soil or thatch level where pests may be active. Apply spray around window frames, doors, garage doors, beneath awnings, decks, carports, shutters, around garbage areas, sill plate and other areas where pests may congregate.</p> <p>Repeat treatments may be made 14 days after previous treatment, or if heavy rainfall occurs.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.</p> <p>Prior to outside perimeter treatments, to increase effectiveness of the application, remove debris and leaf litter from next to the foundation, cut back vegetation and branches that touch the foundation, and move or rake back rocks, deep mulch, or other potential pest harborage next to the foundation.</p>

(continued)

Use Sites	Application Method	Application Rate	Use Directions
Perimeter:Lawn	Broadcast Application	For Perimeter: 1 - 2 fl. oz. per gallon of water  For Broadcast Applications: 1 fl. oz. in 3 - 5 gallons of water to cover 1,000 ft <sup>2</sup>	For broadcast applications, apply to turf or lawn, fence lines, or other pervious areas where pests are active.  Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.
<p><b>USE RESTRICTIONS:</b></p> <ul style="list-style-type: none"> <li>• In the home, cover all exposed food processing surfaces and utensils during treatment or thoroughly wash before use if contaminated. Remove exposed food.</li> <li>• <b>DO NOT</b> permit humans or pets to contact treated surfaces until the spray has dried.</li> <li>• <b>DO NOT</b> spray into the air; only spray onto the specific use sites.</li> <li>• Applications to building foundations are restricted to a maximum height of 2 feet above grade.</li> </ul>			

## LIVESTOCK AND POULTRY HOUSING STRUCTURES

Controls pests of poultry and livestock facilities: biting flies, filth-breeding flies, fleas, litter beetles, hide beetles, bed bugs, mites and ticks. Apply as a general surface (including directed spray) and/or crack and crevice treatment.

Control is enhanced when facilities are cleaned and interior and exterior perimeter applications are made in and around the livestock or poultry housing structures. Normal cleaning practices of the structure also must be followed along with applications of **ProFlex** to effectively control crawling and flying insect pests.

To control bed bugs, mites and ticks in animal facilities, treat cracks/crevices, walls, posts, nest boxes and mobile side curtains.

For adult fly control in and around animal facilities, spray application to target areas where flies will rest: the ceiling, rafters and trusses. Also treat windows, interior and covered exterior walls and supports, fences and vegetation. **ProFlex** may be sprayed on manure in areas where fly larvae are abundant and the area cannot be cleaned.

Allow **ProFlex** to dry before applying disinfectants.

Insecticide Class Rotations: In order to avoid problems with developed resistance to insecticides it is important to rotate to an insecticide of a different class each 2-3 flocks. It is best to attempt to use 3 different classes of insecticides during a calendar year.

### RESTRICTIONS:

- **DO NOT** treat birdcages or stock pens when animals are present.
- **DO NOT** apply **ProFlex** directly to animals.
- **DO NOT** allow animals back in treated areas of facility until treated areas have dried.
- **DO NOT** apply directly to any natural bodies of water: ponds, lakes, streams, rivers, marshes, potholes, and estuaries.
- **DO NOT** apply **ProFlex** to any animal feed, water or watering equipment.
- **DO NOT** contaminate any animal feed, food or water in and around livestock or poultry housing when making applications.
- **DO NOT** make interior applications of **ProFlex** in areas of facility where animals are present.

Use Sites	Application Method	Application Rate	Use Directions
Unoccupied areas of poultry facilities	General Surface, Crack and Crevice and Spot Spray	1 - 2 fl. oz. per gallon of water to cover 1,000. ft <sup>2</sup>	<p>Apply to floor area (birds grown on litter) or to walls, posts and cage framing (birds grown in cages). Apply into cracks and crevices around insulation. Re-apply after each grow out or de-caking and sanitization procedure.</p> <p>Indoor control can be enhanced by making perimeter treatments around the outside of building foundations to prevent immigrating adult beetles. Apply in a uniform band 1 - 3 ft. up and 2 - 6 ft. out from foundation. Maintaining a year-round treatment program will prevent background populations from reaching problem levels.</p> <p>For control of beetles, in houses containing birds grown on litter and in broiler-breeder houses, apply to litter after birds are removed and after filling and any other litter management; if litter is removed and replaced with fresh bedding, treat new bedding after it is spread. Apply spray to inside walls, posts and exterior perimeter. Reapply between each flock.</p> <p>To control beetles in caged-layer houses, <b>DO NOT</b> treat accumulated manure as it will likely disrupt natural enemies that control fly breeding. Instead, treat the perimeter of the manure. Also spray pit walls, posts and exterior of structure.</p> <p>Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present.</p> <p>Reapply between each flock.</p>

(continued)



Use Sites	Application Method	Application Rate	Use Directions
Unoccupied areas of livestock facilities	General Surface, Crack and Crevice and Spot Spray	1 - 2 fl. oz. per gallon of water to cover 1,000 ft <sup>2</sup>	Apply to floors, vertical and overhead surfaces where crawling or flying insect pests may be present. Feeders, waterers and feed carts must be covered before application to prevent contamination. <b>DO NOT</b> apply to milk rooms. Pay attention to animal areas including stanchions, pipes, windows, doors and areas where insect pests hide or congregate. Rates may be increased to 2 fl. oz. per gallon when environmental conditions are conducive to higher pest populations or high numbers of pests are present. If needed, repeat application 14 days after previous treatment or if heavy rainfall occurs.

## ORNAMENTALS AND LAWNS/TURFGRASS

**ProFlex** may be used for applications to maintain indoor or outdoor areas where turf and ornamentals are grown: residential landscaped areas and non-residential landscapes around institutional, public, commercial and industrial buildings, parks, recreational areas, and athletic fields (including trees, shrubs, flowers, evergreens, foliage plants and groundcovers).

Applicators must ensure that they are certified in the necessary pesticide certification categories to allow application of **ProFlex** away from structures, such as turf and ornamental plantings. Structural pest control certification categories may limit the distance away from structures for pesticide application. Consult your state extension office or pesticide regulatory officials for further information.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. **DO NOT** apply this product or allow it to drift to blooming crops or weeds if bees are foraging the treatment area.

**IMPORTANT:** Time application to flowering plants during periods when pollinating insects are not present, such as early morning or late evening.

#### **RESTRICTIONS:**

- **DO NOT** apply this product through any type of irrigation system.
- **DO NOT** apply this product to edible crops.
- **DO NOT** apply this product by aerial application.
- **DO NOT** use this pesticide adjacent to water where it may affect aquatic organisms. To protect these organisms, **DO NOT** apply this pesticide within 25 ft. of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.
- **DO NOT** make outdoor broadcast applications to turf and ornamentals when wind speed is 15 mph or greater.
- In the state of New York, **DO NOT** apply within 100 ft. of coastal marshes or streams that drain into coastal marshes.

#### **Mixing Instructions**

**ProFlex** is to be mixed with water and may be used in all types of standard application equipment. Fill applicator tank with the desired volume of water and add **ProFlex**. It is suggested that the water be pH 5-7H. Adjust water pH with a buffering agent if necessary. Slowly add **ProFlex** to applicator tank water with maximum agitation. Close and shake or re-agitate applicator tank before use if application is interrupted. Mix only the minimum volume needed for the area to be treated.

#### **Tank Mixing**

**ProFlex** may be tank mixed with other currently registered pesticides unless expressly prohibited by the product labels. A small volume mixing test (jar test) with the other products is recommended to ensure compatibility. If other chemicals are added to the

applicator tank, add **ProFlex** last. Fill tank to desired volume and continue to agitate while making applications. If mixed with EC formulations, use within 24 hours.

**It is the pesticide user's responsibility to ensure that all products are registered for the intended use. Read and follow the applicable restrictions and limitations and directions for use on all product labels involved in tank mixing. Users must follow the most restrictive directions for use and precautionary statements of each product in the tank mixture.**

### **INSECT CONTROL on ORNAMENTAL PLANTS**

**ProFlex** is for use to control the pests listed in the table below in: residential landscaped areas and landscaped areas around institutional, public, commercial and industrial buildings, parks, recreational areas, and athletic fields (including trees, shrubs, flowers, evergreens, foliage plants, non-blooming bedding plants, and groundcovers).

NOTE: While phytotoxicity testing has been carried out on a wide range of ornamental plants under various environmental conditions, and no phytotoxicity has been observed, it is impossible to test all species and varieties. Certain species and cultivars may be sensitive to **ProFlex**. It is advised to pre-spray a selection of ornamental plants and observe them for 7-10 days prior to treating large areas if local use experience is unavailable.

### DILUTION CHART FOR BROADCAST APPLICATIONS

Application Volume (Gallons of Solution per 1,000 ft <sup>2</sup> or 1,500 ft <sup>2</sup> )	Application rate (fl. oz. of ProFlex per 1,000 sq. ft.)	Fl. oz. of ProFlex to Dilute in Water According to Spray Tank Volumes				
		1 gallon	5 gallons	10 gallons	15 gallons	50 gallons
1 gallon	1.0 fl. oz.	1.0	5.0	10.0	15.0	50.0
	2.0 fl. oz.	2.0	10.0	20.0	30.0	100.0
2 gallons	1.0 fl. oz.	-	2.5	5.0	7.5	25.0
	2.0 fl. oz.	-	5.0	10.0	15.0	50.0
5 gallons	1.0 fl. oz.	-	1.0	2.0	3.0	10.0
	2.0 fl. oz.	-	2.0	4.0	6.0	20.0

### TANK DILUTION RATES FOR ORNAMENTAL PESTS

PEST	AMOUNT OF ProFlex	APPLICATION INSTRUCTIONS
Ants (excluding Carpenter, Harvester, Pharaoh, and Red Imported fire Ants), Armyworms, Azalea caterpillars, Aphids, Bagworms, Black vine weevils (adult), Boxelder bugs, Budworms, California oakworms, Cankerworms, Crickets, Cutworms, Eastern tent caterpillars, Elm leaf beetles, European sawflies, Fall webworms,	3.8 - 7.5 fl. oz. per 100 gals.	Application to ornamentals should be started prior to the establishment of high insect pest populations. Use higher rates within the specified range for severe infestations. Apply at 7-day intervals if retreatment is necessary. Limit more frequent treatment to spot treatments.

(continued)

PEST	AMOUNT OF ProFlex	APPLICATION INSTRUCTIONS
<p>Flea beetles, Forest tent caterpillars, Gypsy moth larvae, Japanese beetles (adults), June beetles (adults), Lace bugs, Leaf-feeding caterpillars, Leafhoppers, Leafminers (adults), Leaf rollers, Leaf skeletonizers, Midges, Oleander moth larvae, Pillbugs, Pine sawflies, Pine shoot beetles, Pinetip moths, Plant bugs, Root weevils, Sawflies, Scale insects (crawlers), Spiders (excluding black widow and brown recluse), Spittlebugs, Stink bugs, Striped beetles, Striped oakworms, Thrips, Tip moths, Tussock moth larvae</p>	<p>3.8 - 7.5 fl. oz. per 100 gals.</p>	<p>Good spray coverage is necessary to provide the most effective level of control. Addition of a spreader-sticker at labeled rates may enhance the control of insects on certain species of ornamentals having waxy, hard to wet foliage.</p> <p>For spot treatments use 1.25 fl. oz. ProFlex per 1 - 2.5 gals. of water.</p> <p>Consult your state university or local Cooperative Extension Service office for specific pest control application timing in your area.</p> <p>For <b>Bagworm</b> control, make applications during the early larval stage when caterpillars are most susceptible. Spray directly on the larvae.</p> <p>For <b>Scale</b>, apply <b>ProFlex</b> to thoroughly cover the plant, paying special attention to trunks, stems, twigs, and foliage for control of scale insects (crawler stage).</p>

(continued)

PEST	AMOUNT OF ProFlex	APPLICATION INSTRUCTIONS
Broadmites, Brown softscales, California redscales (crawlers), Clover mites, Mealybugs, Pineneedlescales (crawlers), Spider mites, Spotted lanternfly, Whiteflies	7.5 - 12.5 fl. oz. per 100 gals	For Spotted lanternfly, apply when adults or nymphs are present. Good spray coverage is necessary to provide the most effective level of control. Spotted lanternfly insects are mobile and reinfestations can occur in a short period of time. Apply at 7day intervals if re-treatment is necessary.
<p><b>RESTRICTIONS</b></p> <ul style="list-style-type: none"> <li>• <b>DO NOT</b> apply more than 135.3 fl. oz of <b>ProFlex</b> (0.36 lbs. of lambda-cyhalothrin) per acre per year for lawn and ornamental applications.</li> <li>• <b>KEEP CHILDREN AND PETS OFF TREATED AREAS UNTIL SPRAY HAS DRIED FOLLOWING APPLICATION.</b></li> </ul>		

**ProFlex Mixing Chart for Ornamental Insect Pest Control**  
**(ProFlex to add per spray tank)**

Rate of ProFlex in 100 gallons of water		Amount of ProFlex to Dilute in Water According to Spray Volume				
		25 Gallons	50 Gallons	100 Gallons	200 Gallons	300 Gallons
<b>Low Rate</b>	<b>3.75 fl. oz<sup>1</sup></b>	1 fl. oz.	2 fl. oz.	3.75 fl. oz.	7.5 fl. oz.	11.25 fl. oz.
<b>Med. Rate</b>	<b>7.5 oz<sup>2</sup></b>	2 fl. oz.	3.75 fl. oz.	7.5 fl. oz.	15 fl. oz.	22.5 fl. oz.
<b>High Rate</b>	<b>12.5 oz<sup>3</sup></b>	3.25 fl. oz.	6.25 fl. oz.	12.5 fl. oz.	25 fl. oz.	37.5 fl. oz.
<sup>1</sup> Equivalent to 0.3 fl. oz. per 1,000 sq. ft. (13.0 fl. oz. per acre) when applied at 8 gal. per 1,000 sq. ft. <sup>2</sup> Equivalent to 0.6 fl. oz. per 1,000 sq. ft. (26 fl. oz. per acre) when applied at 8 gal. per 1,000 sq. ft. <sup>3</sup> Equivalent to 1.0 fl. oz. mL per 1,000 sq. ft. (43.5 fl. oz. per acre) when applied at 8 gal. per 1,000 sq. ft.						

**LAWN/TURFGRASS INSECT PEST CONTROL**

**ProFlex** is for use to control the pests listed in the table below around: residential, institutional, public, commercial and industrial buildings, parks, recreational areas and athletic fields.

**RESTRICTIONS:**

- KEEP CHILDREN AND PETS OFF TREATED AREAS UNTIL SPRAY HAS DRIED FOLLOWING APPLICATION.
- **DO NOT** apply when turfgrass is waterlogged or when soils are saturated with water (i.e. will not accept irrigation).
- **DO NOT** apply more than 135.5 fl. oz of **ProFlex** (0.36 lbs. of lambda-cyhalothrin) per acre per year for lawn and ornamental applications.

**RATES FOR LAWN AND TURF-GRASS PESTS**

PEST	AMOUNT OF ProFlex*	APPLICATION INSTRUCTIONS
Ants, Armyworms, Crickets, Cutworms Earwigs Fleas (adult), Grasshoppers, Japanese beetles (adult), Millipedes, Mites, Pillbugs, Sod webworms, Sow bugs, Stink Bugs, Ticks (including species which may transmit Lyme disease)	0.3 - 0.6 fl. oz. to cover 1,000 ft <sup>2</sup> or 12.5 - 25 fl. oz. to cover one acre	Application to turf should be started prior to the establishment of high insect pest populations and significant turf damage. Make reapplications as necessary to keep pest populations under control, using higher rates as pest pressure increases. Use higher rates within the specified range for severe infestations. Apply at 7-day intervals if retreatment is necessary. More frequent treatments should be limited to spot treatments.
Bluegrass billbugs (adult), Black turfgrass ataxinus (adult), Chiggers, Fleas (adult), Grubs (suppression), Hyperodes weevils (adult), Mole crickets (nymphs and young adults)	0.6 fl. oz. to cover 1,000 ft <sup>2</sup> or 25 fl. oz. to cover one acre	For spot treatments, use 1.25 fl. oz. of <b>ProFlex</b> per 1 - 2.5 gals. of water. <b>Surface Insect Control (armyworm, cutworms, fleas, etc.):</b> Apply <b>ProFlex</b> at labeled rates in 2 - 5 gals. of water per 1,000 sq. ft. The use of a spreader-sticker may be useful if high rainfall amounts are forecast, otherwise the addition of adjuvants is not necessary under normal conditions for surface insect control in turf. For best results, delay watering for 24 hours and mowing for 2 days to control surface-feeding insect pests.

(continued)



PEST	AMOUNT OF ProFlex*	APPLICATION INSTRUCTIONS
<p>Mole crickets (large nymphs and adults) Chinch bugs</p>	<p>1.2 fl. oz. to cover 1,000 ft<sup>2</sup> or 52 fl. oz. to cover one acre</p>	<p><b>Thatch Inhabiting Insect Control (chinch bugs, billbugs, etc.):</b> Apply <b>ProFlex</b> at labeled rates in 2 - 10 gals. of water per 1,000 sq. ft. The use of a nonionic wetting agent, penetrant or similar adjuvant is recommended at label rates. Lightly irrigate after application with up to 1/2 inch of water to move the <b>ProFlex</b> into the thatch layer. If irrigation is not available, then use high water application rates.</p> <p><b>Subsurface Insect Control (mole crickets, grubs, etc.):</b> Apply <b>ProFlex</b> at labeled rates in 4 - 10 gals. of water per 1,000 sq. ft. The use of a nonionic wetting agent, penetrant or similar adjuvant is strongly recommended following label rates. Use the highest water application rates possible with your sprayer. Apply <b>ProFlex</b> to turf wet with dew, rain or irrigation. Water-in immediately after application with 1/4 - 1/2 inch of water.</p> <p><b>Fire Ant Control:</b> For mound treatments, use 1 - 2 gallons of dilution for each mound. Apply a 4-foot diameter circle around and over the mound. For mounds larger than 12 inches, use a larger volume.</p> <p>Application should be made in late evening or early morning, when it is cooler (65 - 80°F) and insects are most active.</p>

(continued)

<sup>1</sup> Not for use on chinch bugs in New York state.

\* Example: To treat the listed turf pests at the 0.6 fl. oz. per 1,000 sq. ft. rate, determine the gallons of dilution per 1,000 sq. ft. needed to adequately cover the turf. At a 5 gallon per 1,000 sq. ft. dilution, take the 0.6 fl. oz. and divide it by the 5 (gallon) to get 0.12 fl. oz. mL to be added per gallon. For a 50 gallon tank, therefore, this would be 30.12 fl. oz. X 50 = 6 fl. oz. in 50 gallons of water.

## STORAGE AND DISPOSAL

**DO NOT** contaminate water, food or feed by storage or disposal.

**PESTICIDE STORAGE AND SPILL PROCEDURES:** Store upright at room temperature. Avoid exposure to extreme temperatures. In case of spillage or leakages, soak up with an absorbent material such as sand, sawdust, earth, Fuller's earth, etc. Dispose of with chemical waste.

**PESTICIDE DISPOSAL:** Pesticide, spray mixture or rinse water that cannot be used according to label instructions must be disposed of at or by an approved waste disposal facility.

## CONTAINER HANDLING

**For Containers equal to or less than 5 Gallons:** Nonrefillable container. **DO NOT** reuse or refill this container. Clean container 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  $\frac{1}{4}$  full with water and recap. Shake for 10 seconds. Pour rinse into application equipment or a mix tank or store rinseate 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. If recycling is not available, then dispose of container in a sanitary landfill.

### **LIMITATION OF WARRANTY AND LIABILITY**

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Ineffectiveness or other unintended consequences may result because of such factors as manner of use or application, weather, presence of other materials or other influencing factors in the use of the product, which are beyond the control of Control Solutions, Inc. or Seller. To the extent consistent with applicable law, all such risks shall be assumed by Buyer and User, and Buyer and User agree to hold Control Solutions, Inc. and Seller harmless for any claims relating to such factors.

Control Solutions, Inc. 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, subject to the inherent risks referred to above, when used in accordance with directions under normal use conditions. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal conditions or under conditions not reasonably foreseeable to or beyond the control of Seller or Control Solutions, Inc., and Buyer and User assume the risk of any such use. To the extent permitted by applicable law, **CONTROL SOLUTIONS, INC. MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.**

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## NOTES

LAMBDA-CYHALOTHRIN	GROUP	3A	INSECTICIDE
NOVALURON	GROUP	15	INSECTICIDE
PYRIPROXYFEN	GROUP	7C	INSECTICIDE

# ProFlex

## Encapsulated Solutions



- Effective control of Fleas, Cockroaches, Flies, Mosquitoes, Gnats, Crickets & Ants
- Contains adulticide and two IGRs
- Convenient combination product
- For indoor/outdoor use

For use in, on and around buildings and structures for the control of listed pests. May also be used on lawns, turfgrass, ornamental trees, ornamental grasses and shrubs around residential, institutional, public, commercial, agricultural and industrial buildings, parks, recreational areas, golf course out of play areas (including native planting areas, around clubhouses, outbuildings and on-course lavatories) and athletic fields.

### ACTIVE INGREDIENTS:

Lambda-cyhalothrin†**	3.88%
Novaluron	1.30%
Pyriproxyfen†	1.30%
<b>OTHER INGREDIENTS:</b>	<b>93.52%</b>
<b>TOTAL:</b>	<b>100.00%</b>

†Lambda-cyhalothrin and Pyriproxyfen are encapsulated

\*\*Synthetic pyrethroid

Contains 0.34 lbs. Lambda-cyhalothrin,  
0.11 lbs. Novaluron and 0.11 lbs.  
Pyriproxyfen per gallon.

EPA Reg. No. 53883-427

NET CONTENTS: 1 QUART

KEEP OUT OF  
REACH OF CHILDREN  
**CAUTION/  
PRECAUCIÓN**

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 attached booklet.**

EPA Est. No. 53883-TX-002

Manufactured by:

**Control Solutions Inc.**

5903 Genoa-Red Bluff, Pasadena, TX 77507

A member of Adama

Consumer and Professional Solutions

EPA 042621



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