

LAMBDA-CYHALOTHRIN GROUP 3 INSECTICIDE

# Ludo CS

For both indoor and outdoor use.

For Use by Commercial Applicators In, On, and Around Buildings and Structures for the Control of Listed Pests: on Ornamental Trees and Shrubs Around Residential, Institutional, Public, Commercial, Agricultural and Industrial Buildings; and on Non-Residential Lawns.

DO NOT use on golf course turf.

**ACTIVE INGREDIENT:**

Lambda-cyhalothrin\* (CAS No. 91465-08-6) ..... 9.7%

**OTHER INGREDIENTS:** ..... 90.3%

**TOTAL:** ..... 100.0%

\*Synthetic pyrethroid, capsule suspension (microencapsulated)

Density at 20°C: 1.0203 g/mL

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you **DO NOT** understand this label, find someone to explain it to you in detail.)

FIRST AID	
<b>IF ON SKIN OR CLOTHING:</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 control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li><b>DO NOT</b> give any liquid to the person.</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 INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call your poison control center at 1-800-222-1222.	
PHYSICIAN'S NOTE	
Contains petroleum distillate. Vomiting may cause aspiration pneumonia.	

See label booklet for complete Precautionary Statements, Directions For Use, and Storage and Disposal.

Manufactured For:



7217 Lancaster Pike, Suite A  
Hockessin, Delaware 19707

EPA Reg. No. 83529-153

EPA Est. No. SC 39578-TX-001; MA 83411-MN-001; HP 44616-MO-002;  
AF 86555-MO-001; CS 70815-GA-001

The EPA Establishment Number is identified by the circled letters above that match the first two letters in the batch number.

**Net Contents: 265 Gals.**

# PRECAUTIONARY STATEMENTS

## HAZARDS TO HUMANS AND DOMESTIC ANIMALS CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid breathing spray mist or vapor. Avoid contact with skin, eyes, or clothing. Wash 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, and shoes. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

*For Food handling establishments, warehouses, residential living spaces childcare centers, schools, institutions, structural components, and barns/feedlots: Mixers, loaders, and applicators must wear long-sleeved shirt, long pants, shoes and socks, gloves, and respirator.*

*For landscaping: Mixers, loaders, and applicators must wear long-sleeved shirt, long pants, shoes and socks, coveralls, and gloves.*

### 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. Spraying this product in calm weather when rain is not predicted for the next 24 hours will help to 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. Spray this product only as specified on this label. When making applications, care must be used to avoid household pets, particularly fish and reptile pets.

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

### PHYSICAL AND CHEMICAL HAZARDS

**DO NOT** use this product in or on electrical equipment due to the possibility of shock hazard.

## DIRECTIONS FOR USE

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

**IMPORTANT: DO NOT** use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. Use on plants grown for aesthetics or climate modification and that are grown in interior plantscapes, ornamental gardens or parks, or on lawns or grounds.

### RESTRICTIONS:

- **DO NOT** spray directly to impervious horizontal surfaces including sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment. Removable chemical extraction probes (also known as "stingers") used in suction/extraction systems must be rinsed within the pesticide container prior to removal.
- **DO NOT** allow pesticide to enter or runoff into storm drains, drainage ditches, gutters, or surface waters.
- **DO NOT** water the treated area to the point of runoff.
- **DO NOT** spray during rain.
- **DO NOT** spray 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.
- This product is restricted for use in the State of New York.
- All outdoor treatments must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:
  - o Application to soil or vegetation around structures;
  - o Treatments to lawns, turf, and other vegetation;
  - o Treatments to building foundations, up to a maximum height of 2 feet above grade;
  - o Treatments to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
  - o Treatments around potential pest entry points into structures, when limited to a surface band not to exceed one inch in width; and
  - o Use of a coarse, low-pressure spraying to only those portions of surfaces 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.
  - o **DO NOT** apply to residential lawns and turf in residential settings (e.g., homes, parks, schools, athletic fields, or any other area frequented by the general public).
- **LET TREATED SURFACES DRY BEFORE ALLOWING HUMANS AND PETS TO CONTACT SURFACES.**
- **DO NOT** use this product with oil.
- **DO NOT** make applications of this product in any room being used as living, eating, sleeping, or recovery area by patients, the elderly, or infirm when they are in the room.
- **DO NOT** make applications in classrooms when in use.
- **DO NOT** make applications in institutions (including libraries, sports facilities, etc.) in the immediate area when occupants are present.
- **DO NOT** make applications of 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, including in aquariums and ornamental fishponds that are located in/around structures being treated.

### RESISTANCE MANAGEMENT

For resistance management, **Ludo CS** contains a Group 3 insecticide (or acaricide). Any insect/mite population may contain individuals naturally resistant to **Ludo CS** and other Group 3 insecticides/acaricides. The resistant individuals may dominate the insect/mite population if this group of insecticides/acaricides are used repeatedly in the same fields. Appropriate resistance-management strategies should be followed.

To delay insecticide/acaricide resistance, take the following steps:

- Rotate the use of **Ludo CS** or other Group 3 insecticides/acaricides within a growing season, or among growing seasons, with different groups that control the same pests.
- Use tank mixtures with insecticides/acaricides 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/acaricides 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 advisors 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 a Sharda USA LLC representative.

#### SPRAY DRIFT ADVISORIES

**THE APPLICATOR IS RESPONSIBLE FOR AVOIDING OFF-SITE SPRAY DRIFT. BE AWARE OF NEARBY NON-TARGET SITES AND ENVIRONMENTAL CONDITIONS.**

**NON-TARGET ORGANISM ADVISORY STATEMENT:** This product is highly toxic to bees and other pollinating insects exposed to direct treatment or to residues in/on blooming crops or weeds. Protect pollinating insects by following label directions intended to minimize drift and reduce pesticide risk to these organisms.

#### Handheld Technology Applications:

- Take precautions to minimize spray drift

#### PRODUCT INFORMATION

All outdoor spray applications must be limited to spot or crack-and-crevice treatments only, except for the following permitted uses:

1. Application to pervious surfaces such as soil, lawn, turf, and other vegetation;
2. Perimeter band treatments of 7 feet wide or less from the base of a man-made structure to pervious surfaces (e.g., soil, mulch, or lawn);
3. Applications to underside of eaves, soffits, doors, or windows permanently protected from rainfall by a covering, overhang, awning, or other structure;
4. Applications around potential exterior pest entry points into man-made structures such as doorways and windows, when limited to a band not to exceed one inch;
5. Applications to vertical surfaces (such as the side of a man-made structure) directly above impervious surfaces (e.g., driveways, sidewalks, etc.), up to 2 feet above ground level; and
6. Applications to vertical surfaces directly above pervious surfaces (such as soil, lawn, turf, mulch, or other vegetation) only if the pervious surface does not drain into ditches, storm drains, gutters, or surface waters.

Spot treatments must not exceed two square feet in size (for example, 2 ft. by 1 ft. or 4 ft. by 0.5 ft.).

For soil or foliar applications, **DO NOT** apply by ground within 25 feet of lakes, reservoirs, rivers, permanent streams, marshes or natural ponds, estuaries, and commercial fish farm ponds.

**DO NOT** spray the product into fish pools, ponds, streams, or lakes. **DO NOT** apply directly to sewers or storm drains, or to any area like a drain or gutter where drainage to sewers, storm drains, water bodies, or aquatic habitat can occur.

**DO NOT** allow the product to enter any drain during or after application.

**DO NOT** apply directly to impervious horizontal surfaces such as sidewalks, driveways, and patios except as a spot or crack-and-crevice treatment.

**DO NOT** apply or irrigate to the point of runoff.

**DO NOT** make applications during rain. Avoid making applications when rainfall is expected before the product has sufficient time to dry (minimum 4 hours).

Rainfall within 24 hours after application may cause unintended runoff of pesticide application.

#### STRUCTURAL AND PERIMETER PEST CONTROL

**Ludo CS** is intended for use as a surface, crack-and-crevice, or spot treatment in, on, and around buildings and structures and their immediate surroundings, and on modes of transport.

Treat surfaces to ensure thorough coverage but avoid runoff.

To treat insects harbored in voids and cracks-and-crevices, applications must be made in such a manner to limit dripping and avoid runoff onto untreated structural surfaces and plants.

Permitted areas of use: aircraft (cargo and other non-cabin areas only), apartment buildings, boiler rooms, buses, closets, correctional facilities, decks, entries, factories, fencing, floor drains (that lead to sewers), food granaries, food grain mills, food manufacturing, processing and serving establishments; furniture, garages, garbage rooms, greenhouses (non-commercial), hospitals, hotels and motels, houses, industrial buildings, laboratories, livestock/poultry housing, landscape vegetation, locker rooms, machine rooms, mausoleums, mobile homes, mop closets, mulch, nursing homes, offices, patios (spot and crack/crevice only), pet kennels, porches (spot and crack/crevice only), rail-cars, restaurants, storage rooms, schools (areas not frequented by children or the public), sewers (dry), stores, trailers, trees, trucks, utility passages, vessels, vestibules, warehouses, and wineries (areas not frequented by the public).

For indoor treatments, retreat at 21-day intervals or as necessary to maintain control.

**Restrictions:**

- **DO NOT** apply to carpets as a pin stream or coarse spot treatment.
- **DO NOT** apply as a foliar spray using a backpack sprayer in nurseries (such as for ornamentals, vegetables, trees, container stock).
- **DO NOT** apply as a foliar broadcast application using mechanically pressurized handgun in nurseries (such as for ornamentals, vegetables, trees, container stock).
- **DO NOT** apply as a drench, soil, or ground directed application using a mechanically pressurized handgun in nurseries (such as for ornamentals, vegetables, trees, container stock).
- **DO NOT** apply as broadcast spray using a mechanically pressurized handgun in greenhouses (such as for ornamentals, cut flowers, roses, container stock, vegetables).
- **DO NOT** apply as a soil or ground directed application using mechanically pressurized handgun in greenhouses (such as for ornamentals, cut flowers, roses, container stock, vegetables).
- **DO NOT** apply as a broadcast spray application using a mechanically pressurized handgun in industrial/commercial areas (e.g., tires, rail, yards, junk yards).
- **DO NOT** allow to enter indoor or outdoor drains.



*No permita la entrada a desagües internos o externos*

**Mixers, loaders, and applicators must wear long-sleeved shirt, long pants, shoes and socks, gloves, and respirator.**

**Mixing Instructions**

Dilute **Ludo CS** with water for applications using hand-held or power-operated application equipment as a coarse spray for crack-and-crevice or spot and surface treatments. Application equipment that delivers low volume treatments, including the Micro-Injector® or Actisoil® applicator, may also be used to make crack-and-crevice or spot and surface treatments.

First, fill applicator tank with the desired volume of water and then add the appropriate amount of **Ludo CS**. To ensure proper mixing, close and shake before use. Shake or re-agitate applicator tank before use if application is halted for any length of time. Mix only the amount required for immediate application. A surface treatment application of **Ludo CS** may be done by using a paintbrush or other porous applicator attached to a handle.

**Tank Mixing**

**Ludo CS** may be tank mixed with other currently registered pesticides unless expressly prohibited by the product label. Conduct a small volume mixing test with the other products, to ensure compatibility. If mixed with sanitizers, add **Ludo CS** to the tank first. If other chemicals are added to the mix tank, add **Ludo CS** last. If mixed with EC formulations, use within 24 hours. Fill tank to desired volume and continue to agitate while spraying.

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.

**Ludo CS** may be tank mixed with an Insect Growth Regulator (IGR) including Archer® Insect Growth Regulator (EPA Reg. No, 100-1111).

Follow all restrictions and precautions which appear on the labels of these products.

**Foam Applications**

**Ludo CS** may be converted into a foam. The foam can be applied to structural voids to control or prevent pests including ants, bees, termites (above ground only), wasps, or other arthropods harboring in walls, under slabs, or in other void areas.

**Rates for Structural Pests (Hand Application Equipment)**

Pests	Concentration of A.I.	Dilution Rate
Ants Bedbugs (Adults) Bees Beetles Boxelder Bugs Carpenter Bees Carpet Beetles Centipedes Cigarette Beetles Clover Mites Cockroaches <sup>1</sup> Confused Flour Beetles Crickets Earwigs Firebrats Fleas <sup>2</sup> Flies Lesser Grain Borers Millipedes Mosquitoes Red Flour Beetles Rice Weevils Saw-Toothed Grain Beetles Silverfish Sowbugs Spiders Termites (Above Ground Only) Ticks Wasps	0.015 - 0.03%	0.015%: 0.2 fl. oz. (6 mL)/gal. of water  0.03%: 0.4 fl. oz. (12 mL)/gal. of water
Cockroaches <sup>1</sup> Crickets <sup>6</sup> Flies <sup>5*</sup> Litter Beetles <sup>3</sup> (Including Darkling, Hide, and Carrion) Mosquitoes <sup>4</sup> Pillbugs Scorpions Spiders <sup>6</sup> Spider Mites (Two-Spotted, Spruce) Ticks <sup>6</sup>	0.06%	0.8 fl. oz. (24 mL)/gal. of water
<p><sup>*</sup>Not approved for use in California at the high rate.  <sup>1</sup>For cockroaches, the rate for maintenance treatments is 0.015% and for clean-out treatments is 0.03%. For control of SEVERE infestations, use 0.06% rate.  <sup>2</sup>For outdoor use only and use 0.03% rate.  <sup>3</sup>For control of light beetle infestations, use 0.03% rate.  <sup>4</sup>For residual control, use 0.06% rate.  <sup>5</sup>Rates for flies may be increased to 0.06% when environmental conditions are severe and/or populations are high.  <sup>6</sup>For clean-out/severe infestations, use 0.06% rate.</p>		

**SPECIFIC USE DIRECTIONS**

**Ants**

Make applications to any trails around doors and windows and other places where ants could be found. To be more effective, locate and treat nests. Where ants are trailing inside, make applications as a residual surface treatment to active areas: baseboards, corners, around pipes, in and behind cabinets, behind and under refrigerators, sinks, furnaces and stoves, and cracks-and-crevices. Spray surface insecticides in cracks-and-crevices, and along baseboards, infested surfaces, and outside barrier applications when combining baits and residual surface insecticides. To reduce honeydew-producing insects and limit it as an ant food source, spray perimeter landscaping. For other areas that are untreated by residual insecticides, use baits; also see **Outdoor Surfaces Use**.

## **Cockroaches, Crickets, Earwigs, Firebrats, Silverfish, and Spiders**

Apply as a coarse, low-pressure spray to areas where these pests hide: around water pipes, doors and windows, attics and eaves, cabinets, behind and under refrigerators, baseboards, corners, storage areas, closets, furniture, sinks, furnaces and stoves, the underside of shelves, drawers, and similar areas. Pay particular attention to cracks-and-crevices; also see **Outdoor Surfaces Use**.

## **Bedbugs**

Clean floors and surfaces by vacuuming before spraying. Make application as a coarse, low-pressure spray to harborage areas, behind bed frames and headboards, beneath beds and furniture, and to bedsprings and bed frames, crevices, baseboards, and loose plaster. **DO NOT** make applications to furniture surfaces or mattresses where people will be laying or sitting. **DO NOT** treat infested bedding, but remove and place in sealed plastic bags, and take for laundering and drying at high temperatures.

## **Bees, Flies, Mosquitoes, and Wasps**

Make applications directly to window screens, walls, ceilings, and other resting areas as a residual surface treatment. **Ludo CS** may be used inside residential buildings as well as in and around carports, garages, and storage sheds; also see **Outdoor Surfaces Use**. **Ludo CS** does not provide instant knockdown, so use caution when treating nests of stinging insects. Protective equipment for the applicator is recommended. For best results, treat bee, wasp, and hornet nests late in the day when most insects will be present. Allow 2 - 3 days for colony to die and retreat if necessary.

For mosquito control, make application as a structural perimeter spray to landscape plantings, (non-residential) turf, and building foundations. Spray perimeter vegetation of yards or other frequented areas enclosed by landscaping to create a mosquito barrier to reduce invading mosquitoes. Make applications of **Ludo CS** at specified rates in 2 - 5 gals. of water per 1,000 sq. ft. To improve control, apply higher volumes which usually result in better coverage. Consult your State regulatory agency for requirements on application to vegetation away from structures because it may require additional certification, e.g., in turf or ornamental categories.

## **Carpenter Bees**

Use coarse spray to thoroughly wet wood surfaces where bees have been previously active or to provide protection against further damage. To prevent bees from invading wood, spray early in the spring. Surface applications can help control embedded larvae and bees that emerge from the wood when bees have infested wood. To maintain protection of treated areas, spraying can be made on a monthly basis.

## **Pantry Pests (i.e., Carpet Beetle, Cigarette Beetle, Confused Flour Beetle, Lesser Grain Borer, Red Flour Beetle, Rice Weevil, and Saw-Toothed Grain Beetle)**

Remove all utensils, open or uncovered foodstuffs, and shelf paper before making application. Make applications to cupboards, shelving, and storage areas. Allow sprayed surfaces to dry and cover shelves with clean paper before replacing any utensils, foodstuff, or other items. Any foodstuff accidentally contaminated with treatment solution must be destroyed.

## **Boxelder Bugs, Centipedes, Millipedes, Pillbugs, and Sowbugs**

Spray around windows and doors and other places where these pests may enter premises or where they may be found. Treat baseboards, storage areas, and other locations. Make barrier treatments to prevent infestation as described below; also see **Outdoor Surfaces Use**.

## **Fleas and Ticks**

Make applications to kennels, non-residential yards, runs, and other areas where pets may frequent to control nuisance fleas and ticks (e.g., dog ticks). Spray using a coarse fan to vegetation brush, branches, rock walls, and other areas near habitation where ticks may harbor or frequent, to provide best coverage to control ticks. Spray entire area rather than making spot treatments and retreat as necessary to maintain control. **DO NOT** spray on pasture or cropland, and **DO NOT** allow animals and people access to treated areas until the treatment has dried. To control both larvae and adult ticks, spraying can be done monthly from spring and can continue until frost. Also, treat pets with a product registered for flea and tick control. See **Outdoor Surfaces Use**.

## **Cluster Flies**

Spray in late summer or early fall before flies are observed alighting on surfaces. Pay particular attention to south-facing surfaces and spray thoroughly on siding, under eaves, and around windows and doors. Avoid excessive dripping or runoff by spraying just enough dilution to adequately cover the area. The surface type treated dictates the volume. Heavy precipitation prior to frost may require retreatments to maintain protection. Interior crack-and-crevice and void treatments can help reduce infestation in winter and spring when flies become active and are emerging, along with ULV or surface application in infested attics or unoccupied lofts.

## **Litter Beetles (Darkling, Hide, and Carrion Beetles) and Flies in Animal Housing (Including Poultry Houses)**

Before reintroduction of animals, spray **Ludo CS** to walls and floors at cleanout to control adult litter beetles. This will help delay onset of future infestations by suppressing beetles that escaped earlier treatment. Pay attention to areas where beetles frequently occur, including cages, stalls, around feeders, walls and supports. To help control flies, spray directly to horizontal surfaces and overhead areas and allow it to dry before reintroduction of animals; also see **Livestock/Poultry Housing Structures and Pet Kennels**.

**Application within Food-Handling Establishments** (places other than private residences in which exposed food is held, processed, prepared, or served): edible waste storage and enclosed processing systems (mills, dairies, edible oils, syrups), areas for receiving, storage, packing (canning, bottling, wrapping, boxing), preparing foods, and serving areas.

Use as a crack-and-crevice or spot treatment in and around both food and non-food areas. For crack and crevice treatment, use a manually pressurized handwand in food handling establishments to spray small amounts directly into cracks and crevices, 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.

Individual spot treatments must not exceed 2 sq. feet. The product is not to be introduced into the air. Do not contaminate food and food processing surfaces.

### Application within Food-Serving Areas (facilities where foods are served, including dining rooms)

Spray as a crack-and-crevice or spot treatment to selective surfaces including under elements of construction, baseboards, and into cracks and crevices. **DO NOT** treat surfaces likely to be contacted by food. **DO NOT** spray when facility is in operation or foods are exposed. Food must be covered or removed in area being treated. **DO NOT** spray directly to food or allow applications to contaminate food.

Application of this product in the Food Areas and/or Food-Serving Areas of Food-Handling Establishments other than as a spot and/or crack-and-crevice treatment is not permitted. Limit the use of application equipment including the Micro-Injector or Actisol applicator in food areas to crack-and-crevice treatment only.

### Livestock/Poultry Housing Structures and Pet Kennels

Make applications as a surface (including directed sprays) and/or crack-and-crevice treatment. For better control, spray interior and exterior perimeter applications around structures that house livestock, poultry, and pets. To effectively control crawling and flying insect pests listed in the table, normal cleaning practices of the structure also must be followed along with applications of **Ludo CS**.

For unoccupied areas of livestock barns or housing structures, spray on vertical, overhead and floor surfaces where crawling or flying insect pests are or may be present.

To prevent contamination, cover feeders, waterers, and feed carts before spraying. **DO NOT** spray in milk rooms or feed rooms. Pay attention to animal areas: windows and doors, stanchions, pipes, and areas where insect pests hide or congregate. To help prevent interior infestations of flying and crawling insect pests, make exterior applications to south facing walls and foundation perimeters.

For poultry houses, spray floor area (birds grown on litter) or to walls, posts, and cage framing (birds grown in cages). Spray into cracks and crevices around insulation. Respray after each grow-out or sanitization procedure. For better indoor control and prevention of immigrating adult beetles, make perimeter treatments around the outside of building foundations. Spray in a uniform band 2 ft. up and 2 - 6 ft. out from foundation. Prevent background populations from reaching problem levels by maintaining a year-round treatment program.

### Restrictions:

- **DO NOT** make interior applications of **Ludo CS** in areas of facility where animals other than cattle or calves are present. Allow treated surfaces to completely dry before restocking the facility.
- **DO NOT** make applications to any animal feedstuffs, water, or watering equipment.
- **DO NOT** contaminate any animal food, feed, or water in and around livestock, poultry, or pet housing when making applications.

### Outdoor Surfaces Use

For control of ants, bees, crickets, fleas, flies, millipedes, mosquitoes, scorpions, sowbugs, pillbugs, centipedes, cockroaches, spiders, termites (above-ground only), ticks, wasps, and other listed pests. Treat with either hand or power application equipment as a residual treatment to ornamental plants next to foundations of buildings and to surfaces of buildings, eaves, patios (spot/crack and crevice treatments only), garages, refuse dumps, porches, screens, window frames, and other similar areas where these insect pests are active. For termites, this type of application is not intended as a substitute for soil treatment-labeled termiticides, mechanical alteration to control subterranean termites, or fumigation for extensive infestation of drywood termites or other wood-infesting insects.

**DO NOT** use this product as the sole source of control for active, structural infestations by subterranean termites; the purpose of this application is to kill workers or winged reproductive forms of termites which are present at the time of treatment. It is not intended to provide structural pest control. It is not a substitute for mechanical alteration, soil and foundation treatment, but merely a supplement. For active, structural infestations by subterranean termites, this product can only be used to supplement a federally registered conventional product that is registered as a sole source for termite control. This product will not eliminate termite infestations or provide protection against future infestation.

### Structural Perimeter Barrier Treatments

Spraying a continuous band of insecticide around a building foundation and around service line entrances, eaves, vents, windows, doors, and other areas can greatly reduce the potential for entry by crawling pests. Before spraying, 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. Spray the band up to 7 ft. wide around the structure (or according to State regulations governing commercial pest control) and upwards along the foundation to 2 ft. and around windows, doors, and roof overhangs. Make application 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.

Amount of concentrate is dependent upon pest species (see pest table and comments), infestation levels, and service interval desired.

### Rate Table for Structural Perimeter Barrier Applications

Application Rate of Ludo CS	Gallons of Water <sup>1</sup>	Area of Coverage
0.2 fl. oz. (6 mL)	1 - 5	800 - 1,600 sq. ft.
0.4 fl. oz. (12 mL)	1 - 5	800 - 1,600 sq. ft.
0.8 fl. oz. (24 mL)	1 - 5	800 - 1,600 sq. ft.

<sup>1</sup>Application volume may be greater than 5 gals./800 - 1,600 sq. ft. if required under heavy vegetative or landscaping materials in order to obtain desired coverage.

## Examples of Dilutions for Structural Perimeter Barrier Applications

Application Volume: Gallons of Solution per 1,000 Sq. Ft.	Application Rate of Ludo CS per 1,000 Sq. Ft.	Amount Fl. oz. (mL) of Ludo CS to Dilute in Water According to Spray Tank Volumes		
		5 Gals.	10 Gals.	50 Gals.
1	0.2 fl. oz. (6 mL)	1 fl. oz. (30 mL)	2 fl. oz. (60 mL)	10 fl. oz. (300 mL)
	0.4 fl. oz. (12 mL)	2 fl. oz. (60 mL)	4 fl. oz. (120 mL)	20 fl. oz. (600 mL)
	0.8 fl. oz. (24 mL)	4 fl. oz. (120 mL)	8 fl. oz. (240 mL)	40 fl. oz. (1,200 mL)
2	0.2 fl. oz. (6 mL)	0.5 fl. oz. (15 mL)	1 fl. oz. (30 mL)	5 fl. oz. (150 mL)
	0.4 fl. oz. (12 mL)	1 fl. oz. (30 mL)	2 fl. oz. (60 mL)	10 fl. oz. (300 mL)
	0.8 fl. oz. (24 mL)	2 fl. oz. (60 mL)	4 fl. oz. (120 mL)	20 fl. oz. (600 mL)
5	0.2 fl. oz. (6 mL)	0.2 fl. oz. (6 mL)	0.4 fl. oz. (12 mL)	2 fl. oz. (60 mL)
	0.4 fl. oz. (12 mL)	0.4 fl. oz. (12 mL)	0.8 fl. oz. (24 mL)	4 fl. oz. (120 mL)
	0.8 fl. oz. (24 mL)	0.8 fl. oz. (24 mL)	1.6 fl. oz. (48 mL)	8 fl. oz. (240 mL)

**Example Calculation:** To spray the mid-rate of **Ludo CS** at a volume of 5 gals. per 1,000 sq. ft., mix 4 fl. oz. of concentrate in 50 gals. of water.

The percent active ingredient in the finished **Ludo CS** dilution can be calculated with the following formula:

$\text{mL needed to add} = \frac{\text{times } 9.7\% \text{ active in concentrate, divided by gallons finished dilution times } 3,785 \text{ mL/gal.} = \% \text{ active in dilution. (Example: } 4 \text{ fl. oz. in } 50 \text{ gals. is } 120 \text{ mL, times } 9.7 \text{ equals } 1,164, \text{ and } 50 \text{ gals. times } 3,785 \text{ is } 189,250. \text{ Dividing } 1,164 \text{ by } 189,250 \text{ equals } 0.006\% \text{ active in the tank dilution.)}$

**NOTE: DO NOT** use water-based sprays of **Ludo CS** in conduits, motor housings, junction boxes, switch boxes, or other electrical equipment because of possible shock hazard. Thoroughly wash out sprayer and screen with water and detergent before using **Ludo CS**. **Ludo CS** has not stained or caused damage to painted or varnished surfaces, plastics, fabrics, or other surfaces where water applied alone causes no damage. However, treat a small area and allow it to dry to determine whether staining will occur.

### LAWNS/TURFGRASS AND ORNAMENTALS

**Ludo CS** may be used for treatments to maintain indoor or outdoor areas where turf and ornamentals are grown in non-residential areas: non-residential landscapes around institutional, public, commercial and industrial buildings. Application rates for turf and ornamental applications of **Ludo CS** are lower than structural pest control rates, which gives room for more frequent treatment intervals.

Applicators must be certified in the necessary pesticide certification categories to allow use of **Ludo CS** away from structures, including to 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.

**Mixers, loaders, and applicators must wear long-sleeved shirt, long pants, shoes and socks, coveralls, and gloves.**

**IMPORTANT:** Spray flowering plants during periods when pollinating insects are not present, including early morning or late evening.

#### Restrictions:

- **DO NOT** make applications of this product through any type of irrigation system.
- **DO NOT** spray this product to edible crops.
- **DO NOT** make applications of this product by aerial application.
- **DO NOT** apply as a broadcast application using a backpack sprayer on landscaping and turf.
- **DO NOT** apply to residential lawns and turf in residential settings (e.g., homes, parks, schools, athletic fields, or any other area frequented by the general public).
- Use of this pesticide adjacent to water may affect aquatic organisms. To protect these organisms, **DO NOT** spray 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** spray within 100 ft. of coastal marshes or streams that drain into coastal marshes.
- **DO NOT** broadcast application using a backpack sprayer on landscaping and turf.
- **DO NOT** apply as a foliar broadcast application using a mechanically pressurized handgun on orchards and vineyards.
- **DO NOT** apply as a soil, drench, or ground directed application using a mechanically pressurized handgun on orchards and vineyards.
- **DO NOT** apply when the wind speed is greater than 10 mph.

#### Mixing Instructions (Turf and Ornamental Dilutions)

**Ludo CS** is to be mixed with water and may be used in all types of standard application equipment. First, fill applicator tank with the desired volume of water and then add **Ludo CS**. Adjust water pH with a buffering agent if necessary to achieve a pH of 5 - 7. Slowly add **Ludo CS** to applicator tank water with maximum agitation. Close and shake or re-agitate applicator tank before use if application is interrupted. Make up only amount of treatment volume as required.

#### Tank Mixing (Turf and Ornamental Dilutions)

**Ludo CS** may be tank mixed with other currently registered pesticides unless expressly prohibited by the product label. Adjuvants including spreader stickers, wetting agents, and penetrants may also be added. Conduct a small volume mixing test with the other products to ensure compatibility. Add **Ludo CS** last if other chemicals are added to the applicator tank. Fill tank to desired volume and continue to agitate while making applications. Use within 24 hours if mixed with EC formulations.

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.



**Tank Dilution Rates for Ornamental Pests**

Use	Pest	Amount of Ludo CS
Ornamentals in Residential Landscaped Areas and Landscaped Areas Around Institutional, Public, Commercial and Industrial Buildings, Parks, Recreational Areas, and Athletic Fields (Trees, Shrubs, Flowers, Evergreens, Foliage Plants, and Groundcovers)	Ants (including Imported Fire Ants) Armyworms Azalea Caterpillars Aphids Bagworms Black Vine Weevils (Adults) Boxelder Bugs Budworms California Oakworms Cankerworms Cockroaches Crickets Cutworms Eastern Tent Caterpillars Elm Leaf Beetles European Sawflies Fall Webworms 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 Mosquitoes Oleander Moth (Larvae) Pillbugs Pine Sawflies Pine Shoot Beetles Pinetip Moths Plant Bugs Root Weevils Sawflies Scale Insects (Crawlers) Spiders Spittlebugs Striped Beetles Striped Oakworms Thrips Tip Moths Tussock Moth (Larvae) Wasps	1.5 - 5 fl. oz./100 gals. or 44 - 148 mL/100 gals.
	Broad Mites Brown Soft Scale California Red Scale (Crawlers) Clover Mites Mealybugs Pine Needle Scale (Crawlers) Spider Mites Whiteflies	3 - 5 fl. oz./100 gals. or 88 - 148 mL/100 gals.

**Example Calculation:** Mix 3 fl. oz. (88 mL) of concentrate in 100 gals to prepare a mid-rate dilution of **Ludo CS**.

Start application to ornamentals prior to the establishment of high insect pest populations. Reapply as necessary to keep pest populations under control, using higher rates as pest pressure increases.

Spray at 7-day intervals if retreatment is necessary. Limit more frequent treatments to spot treatments. As plants grow, new foliage will be unprotected until treated. **DO NOT** apply more than 0.36 lb. of the a.i. (52.4 fl. oz. of concentrate) per acre per year. Good spray coverage is necessary to provide the most effective level of control. Addition of a spreader-sticker at specified rates may improve the control of insects on certain species of ornamentals having waxy, hard-to-wet foliage. Use 0.5 fl. oz. of **Ludo CS** per 1 - 2.5 gals. of water for spot treatments.

Consult your State University or local Cooperative Extension Service office for specific pest control application timing in your area.

**NOTE:** Certain cultivars may be sensitive to the final spray solution even though phytotoxicity testing has been carried out on a wide range of ornamental plants under various environmental conditions, and no phytotoxicity has been observed.

If local use experience is unavailable, pre-spray a selection of ornamental plants and observe them for 7 - 10 days prior to treating large areas. This is especially advisable if **Ludo CS** is being mixed with another product or ingredient besides water. See **Tank Mixing (Turf and Ornamental Dilutions)** instructions.

**Scale:** For control of scale insects (crawler stage), thoroughly cover the plant with **Ludo CS** spray, including trunks, stems, twigs, and foliage.

**Bagworm:** Application is the most effective when the larvae are young. Spray **Ludo CS** when bagworm larvae begin to hatch. Spray directly on the larvae.

#### Ludo CS Mixing Chart for Ornamental Insect Pest Control

Rate of Ludo CS	Amount of Ludo CS to Dilute in Water According to Spray Volumes				
	25 Gals.	50 Gals.	100 Gals.	200 Gals.	300 Gals.
1.5 fl. oz. <sup>1</sup>	0.4 fl. oz.	0.8 fl. oz.	1.5 fl. oz.	3 fl. oz.	4.5 fl. oz.
3 fl. oz. <sup>2</sup>	0.8 fl. oz.	1.5 fl. oz.	3 fl. oz.	6 fl. oz.	9 fl. oz.
5 fl. oz. <sup>3</sup>	1.3 fl. oz.	2.5 fl. oz.	5 fl. oz.	10 fl. oz.	15 fl. oz.

<sup>1</sup>Equivalent to 3.5 mL per 1,000 sq. ft. (or 5 fl. oz. per acre) when applied at 8 gals. per 1,000 sq. ft.  
<sup>2</sup>Equivalent to 7 mL per 1,000 sq. ft. (or 10 fl. oz. per acre) when applied at 8 gals. per 1,000 sq. ft.  
<sup>3</sup>Equivalent to 9.5 mL per 1,000 sq. ft. (or 14 fl. oz. per acre) when applied at 8 gals. per 1,000 sq. ft.

#### Power Spray Rates for Lawn and Turfgrass Pests

Use	Pest	Amount of Ludo CS
Lawns/Turfgrass Around Institutional, Public, Commercial and Industrial Buildings not frequented by the public.	Ants (Including Imported Fire Ants) Armyworms Centipedes Crickets Cutworms Earwigs Fleas (Adults) Grasshoppers Japanese Beetles (Adults) Millipedes Mites Mosquitoes (Adults) Pillbugs Sod Webworms Sow Bugs Ticks (Including Species which Transmit Lyme Disease)	3.4 - 7 mL/1,000 sq. ft. or 5 - 10 fl. oz./A
	Bluegrass Billbugs (Adults) Black Turfgrass Ataenius (Adults) Chiggers Fleas (Adults) Grubs (Suppression) Hyperodes Weevils (Adults) Mole Crickets (Nymphs and Young Adults)	7 mL/1,000 sq. ft. or 10 fl. oz./A

**Example Calculation:** To treat listed turf pests at the mid-rate for **Ludo CS** of 7 mL per 1,000 sq. ft., determine gallons dilution per 1,000 sq. ft. needed to cover turf. At 5 gals. per 1,000 sq. ft., add 7 mL ÷ 5 or 1.4 mL per gallon. For a 50 gal. tank, this would be equivalent to 70 mL or 2.5 fl. oz. in 50 gals. water.

Start treating turf prior to the establishment of high insect pest populations and significant turf damage. Reapply as necessary to keep pest populations under control, using higher rates as pest pressure increases.

Spray at 7-day intervals if retreatment is necessary. Limit more frequent treatments to spot treatments.

**DO NOT** apply more than 0.36 lb. of a.i. (52.4 fl. oz. of concentrate) per care per year.

For spot treatments, use 0.5 fl. oz. of **Ludo CS** per 1 - 2.5 gals. of water.

**DO NOT** spray when turfgrass is waterlogged or when soils are saturated with water (i.e., will not accept irrigation).

KEEP CHILDREN AND PETS OFF TREATED AREAS.

**Surface Insect Control (Armyworm, Cutworms, Fleas, etc.)**

Spray **Ludo CS** at specified rates in 2 - 5 gals. of water per 1,000 sq. ft. If high rainfall amounts are forecast, use of a spreader-sticker, otherwise the addition of adjuvants is not necessary under normal conditions for surface insect control in turf. Delay watering or mowing for 12 - 24 hours for optimum control of surface-feeding insect pests.

**Thatch-Inhabiting Insect Control (Chinch Bugs, Billbugs, etc.)**

Spray **Ludo CS** at specified 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. Lightly irrigate after spraying with up to 0.5 inch of water to move the **Ludo CS** into the thatch layer. Use high water application rates for optimum results if irrigation is not available.

**Subsurface Insect Control (Mole Crickets, Grubs, etc.)**

Spray **Ludo CS** at specified 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. Use the highest water application rates possible with your sprayer. Spray **Ludo CS** to turf that is wet with dew, rain, or irrigation. Water in immediately after application with 0.25 - 0.5 inch of water for optimum results.

**Fire Ant Control**

Make a drench application to individual mounds using a watering can. Use 0.5 fl. oz. of **Ludo CS** per 2.5 gals. of water. Thoroughly soak each mound and a 3 ft. diameter circle around each mound. Avoid disturbing the mound by spraying the mixture gently. Disturbing the mound may cause the ants to migrate and reduce the effectiveness of the treatment. For enhanced results, spray in early morning or late evening hours. Spray monthly to maintain protection of treated areas.

**Mosquito Control**

Spray around landscape plantings, turf, and building foundations to control mosquitoes. To create a mosquito barrier and reduce invading mosquitoes, treat perimeter vegetation of yards or other frequented areas enclosed by landscaping. Spray **Ludo CS** at specified rates in 2 - 5 gals. of water per 1,000 sq. ft. Higher volumes applied result in better coverage and, as a rule, will improve control.

**Ludo CS Mixing Chart for Turf Insect Pest Control**

(**Ludo CS** to add per 100 gals. spray tank)

Rate of Ludo CS	Application Rate Per 1,000 Sq. Ft. of Turf				
	2 Gals.	4 Gals.	6 Gals.	8 Gals.	10 Gals.
5 fl. oz./A	5.7 fl. oz.	2.9 fl. oz.	1.9 fl. oz.	1.4 fl. oz.	1.2 fl. oz.
10 fl. oz./A	11.5 fl. oz.	5.7 fl. oz.	3.8 fl. oz.	2.9 fl. oz.	2.3 fl. oz.

**Conversion Rate:** 1 fluid ounce (fl. oz.) equals 29.6 milliliters (mL).

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep container closed when not in use. **DO NOT** store near food or feed. Shake well before use. Protect from freezing. **In case of spill or leak on floor or paved surfaces:** Soak up with sand, earth, or synthetic absorbent. Remove to chemical waste storage area until proper disposal can be made.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. **DO NOT** pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

### CONTAINER HANDLING:

**Less Than or Equal to 5 Gallons:** Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if available or reconditioning if appropriate or puncture and dispose of in a sanitary landfill or by incineration.

**Greater Than 5 Gallons:** Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

**For Bulk and Mini-Bulk Containers:** Refillable container. Refill this container with pesticide only. **DO NOT** use this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the person refilling. To clean container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10% full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by State and local authorities.

**CONTAINER IS NOT SAFE FOR FOOD, FEED, OR DRINKING WATER!**

### CONDITIONS OF SALE AND LIMITATION OF WARRANTY AND LIABILITY

**NOTICE:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

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 Sharda USA LLC 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 Sharda USA LLC and Seller harmless for any claims relating to such factors.

Sharda USA LLC 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 conditions not reasonably foreseeable to or beyond the control of Seller or Sharda USA LLC and Buyer and User assume the risk of any such use. To the extent consistent with applicable law, SHARDA USA LLC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

To the extent consistent with applicable law, neither Sharda USA LLC nor Seller shall be liable for any incidental, consequential, or special damages resulting from the use or handling of this product. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF SHARDA USA LLC 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 SHARDA USA LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.**

Sharda USA LLC 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 Sharda USA LLC.

All trademarks are the property of their respective owners.

LAMBDA-CYHALOTHRIN GROUP 3 INSECTICIDE

# Ludo CS

For both indoor and outdoor use.

For Use by Commercial Applicators In, On, and Around Buildings and Structures for the Control of Listed Pests: on Ornamental Trees and Shrubs Around Residential, Institutional, Public, Commercial, Agricultural and Industrial Buildings; and on Non-Residential Lawns.

DO NOT use on golf course turf.

<b>ACTIVE INGREDIENT:</b>	<b>WT. BY %</b>
Lambda-cyhalothrin* (CAS No. 91465-08-6)	9.7%
<b>OTHER INGREDIENTS:</b>	90.3%
<b>TOTAL:</b>	100.0%

\*Synthetic pyrethroid, capsule suspension (microencapsulated)  
Density at 20°C: 1.0203 g/ml.

## KEEP OUT OF REACH OF CHILDREN CAUTION/PRECAUCION

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you **DO NOT** understand this label, find someone to explain it to you in detail.)

FIRST AID	
<b>IF ON SKIN OR CLOTHING:</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 control center or doctor for treatment advice.</li> </ul>
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>Hold eye open and rinse slowly and gently with water for 15 - 20 minutes.</li> <li>Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>Call a poison control center or doctor for treatment advice.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>Call a poison control center or doctor immediately for treatment advice.</li> <li><b>DO NOT</b> give any liquid to the person.</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 INHALED:</b>	<ul style="list-style-type: none"> <li>Move person to fresh air.</li> <li>If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</li> <li>Call a poison control center or doctor for further treatment advice.</li> </ul>
HOTLINE NUMBER	
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call your poison control center at <b>1-800-222-1222</b> .	
PHYSICIAN'S NOTE	
Contains petroleum distillate. Vomiting may cause aspiration pneumonia.	

See label booklet for complete Precautionary Statements and Directions For Use.

## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

### CAUTION

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid breathing spray mist or vapor. Avoid contact with skin, eyes, or clothing. Wash 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, and shoes. Remove contaminated clothing and wash before reuse. Prolonged or frequently repeated skin contact may cause allergic skin reactions in some individuals.

### 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. Spraying this product in calm weather when rain is not predicted for the next 24 hours will help to 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. Spray this product only as specified on this label. When making applications, care must be used to avoid household pets, particularly fish and reptile pets. This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. **DO NOT** spray this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

### PHYSICAL AND CHEMICAL HAZARDS

**DO NOT** use this product in or on electrical equipment due to the possibility of shock hazard.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. **IMPORTANT: DO NOT** use on plants being grown for sale or other commercial use, or for commercial seed production, or for research purposes. Use on plants grown for aesthetics or climate modification and that are grown in interior plantscapes, ornamental gardens or parks, or on lawns or grounds.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Keep container closed when not in use. **DO NOT** store near food or feed. Shake well before use. Protect from freezing. **In case of spill or leak on floor or paved surfaces:** Soak up with sand, earth, or synthetic absorbent. Remove to chemical waste storage area until proper disposal can be made.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of unused pesticide, spray mixture, or rinse water is a violation of Federal law. **DO NOT** pour or dispose down-the-drain or sewer. Call your local solid waste agency for local disposal options. If these wastes cannot be used according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance in proper disposal methods.

**CONTAINER HANDLING: Greater Than 5 Gallons:** Nonrefillable container. **DO NOT** reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration.

Manufactured For: Sharda USA LLC, 7217 Lancaster Pike, Suite A, Hockessin, Delaware 19707

EPA Reg. No. 83529-153

EPA Est. No. **SC** 39578-TX-001; **MA** 83411-MN-001; **HP** 44616-MO-002; **AF** 86555-MO-001; **CS** 70815-GA-001

The EPA Establishment Number is identified by the circled letters above that match the first two letters in the batch number.

Net Contents: 265 Gals.

OPEN HERE