

BROWN RECLUSE SPIDERS

PEST OVERVIEW

IDENTIFICATION

Approximately 3/8" long by 3/16" wide, light tan to dark brown with distinctive violin shaped marking on the cephalothorax (neck of violin pointing toward abdomen). Six eyes arranged in semicircle of 3 pairs.



Stoy Hedges, 2006

Brown recluse spider has 6 eyes arranged in a semicircle of 3 pairs.

DISTRIBUTION

The brown recluse spider is found mainly in the central Midwestern states down to the Gulf of Mexico. This spider is occasionally transported in materials to other parts of the U.S.

BEHAVIOR

In terms of their behavior and method for capturing food, spiders can generally be classified as web-builders, active hunters or passive hunters. Brown recluse spiders fit well into the passive hunters group because reclusive females sit in a harborage where they wait to ambush prey that wanders too close. The brown recluse spider spins an irregular web which serves as its daytime retreat, usually in an undisturbed place. Immature spiders (spiderlings) and males actively explore for food. Males also actively seek out a female which explains why males are often captured on sticky monitors to a much greater degree than females.

SITES MOST OFTEN HARBORING BROWN RECLUSE SPIDERS

Brown recluse spiders generally occupy dark, undisturbed sites indoors or outdoors. Indoors, they may be found in attics, basements, crawl spaces, cellars, closets, duct work or registers. Favorite harborages include: storage boxes, shoes, clothing and behind/beneath furniture. They are often found in barns, storage sheds and garages. Outdoors they can often be found in rock piles, stacks of firewood or piles of debris.



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This spider roams at night searching for insect prey. Silverfish are a food favorite of the brown recluse spiders, but most other insects and spiders are also part of their normal diet. They have also been shown to be a scavenger of dead insects.

HEALTH RISKS FROM BROWN RECLUSE SPIDERS

The brown recluse spider is generally not aggressive, only biting when crushed, handled or disturbed. Nonetheless, bites are uncommon. People have been bitten in bed after inadvertently rolling over onto the spider, when cleaning storage areas or when putting on seldom used clothing or shoes occupied by a brown recluse spider. When bites occur, they may result in a painful, deep wound that takes a long time to heal. Fatalities are extremely rare. If there is a severe reaction to the bite, the wound can erupt into a "volcano lesion", a hole in the flesh due to damaged, gangrenous tissue.



If there is a severe reaction to the brown recluse spider bite, the wound can erupt into a "volcano lesion".

CY-KICK CS TIPS

Cy-Kick® CS SmartCaps easily cling to brown recluse spiders as they crawl across treated surfaces. This makes it a great spot treatment product choice.



Cy-Kick CS smartcaps cling to brown recluse spiders as they crawl across treated surfaces.

Spot treat wall/floor junctures in basements, crawl spaces, garages, behind furniture, closets and attics.

Use Cy-Kick CS Pressurized Crack & Crevice®

Residual treatment in cracks behind baseboards, window frames, door frames, under the edge of carpeting and cracks between wood timbers in attics, basements and crawl spaces.

Outdoors, a thorough perimeter treatment should be made to foundation, gaps beneath siding, piles of lumber or debris and beneath decks.



Cy-Kick CS can be applied around door frames, gaps between siding, foundation and basement window frames to control brown recluse spiders.

RECOMMENDED DILUTION RATES

Indoors, apply with hand tank at 0.05 or 0.1% (1-2 oz per gallon water)

Outdoors, apply 0.5 to 1.0 oz per 1,000 square feet OR:

Oz of Cy-Kick CS	Per Gallon of Water	% Dilution
1.2-2.4 oz	15 gallons	0.0038-0.0075%
2-4 oz	25 gallons	0.0038-0.0075%
4-8 oz	50 gallons	0.0038-0.0075%
8-16 oz	100 gallons	0.0038-0.0075%

(See label for complete use directions.)

OTHER PRODUCT CONTROL TIPS

- Make void applications with Tri-Die® Silica + Pyrethrum Dust
 - Behind/under insulation in attic and basement
 - Voids with plumbing pipes
 - Behind electrical outlet plates
- Make directed contact applications with PT® 565 Plus XLO® Contact Insecticide
 - Around storage items
- Place sticky traps throughout home
 - In dark locations
 - Along walls
 - Behind furniture
 - In closets



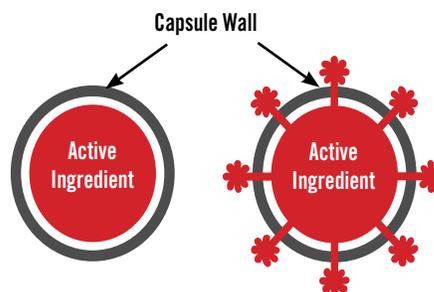
Tri-Die Silica + Pyrethrum Dust and PT 565 Plus XLO is recommended in addition to Cy-Kick CS.

GENERAL RECOMMENDATIONS

- Educate customer about the nature of brown recluse spider control
- Inspect carefully and treat thoroughly
- Make clear recommendations or assist customer in clutter reduction of affected areas
- Use a vacuum when inspecting storage areas
- Wear gloves for safety

SMARTCAP TECHNOLOGY™

Exclusive SmartCap Technology creates a shell around the active ingredient cyfluthrin that increases residual control by protecting it from ultra violet rays, weather, porous and greasy surfaces and absorption into soil or organic matter. It also acts as a barrier to diminish exposure



to humans and pets while reducing plant phytotoxicity and staining.

The capsule wall protects the a.i. from surface conditions and the environment. The a.i. diffuses quickly out of the capsule when in contact with an insect's exoskeleton.