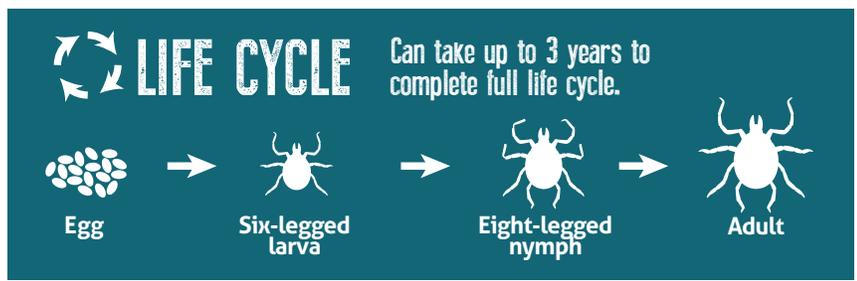


# TICK FACT SHEET



## American Dog Tick (aka Wood Tick)

- Widely distributed east of the Rocky Mountains.
- Adult females are most likely to feed on humans.



## Blacklegged Tick (aka Deer Tick)

- Widely distributed across the U.S.
- Adults may be out searching for hosts in the winter any time the temperature is above freezing.



## Brown Dog Tick

- Southwestern U.S. and along the U.S./Mexico Border.
- The only tick that can complete its entire life cycle indoors or out.



## Lone Star Tick

- Widely distributed in the Southeastern and Eastern U.S.
- The adult female is distinguished by a white dot or "lone star" on her back.



## Gulf Coast Tick

- Southeastern coast of the U.S. and the Gulf of Mexico.
- Larvae and nymphs may feed on birds and small rodents, while adult ticks feed on deer and other wildlife.



## Western Blacklegged Tick

- Pacific coast of the U.S., particularly Northern California.
- Although all life stages bite humans, adult females are more often reported on humans.



## Rocky Mountain Wood Tick

- Rocky Mountain states in the U.S. and Southwestern Canada.
- Adult ticks are primarily associated with pathogen transmission to humans.



## BEHAVIOR

- Ticks feed on the blood of their hosts and become active at about 45 °F.
- Soft ticks live in the nests of their hosts, hard ticks live in the environment, except when feeding.
- Ticks have prolonged feeding behaviors that make them excellent vectors of disease.
- Ticks "quest" by clinging to vegetation in a position to latch onto passing animals.
- Hard ticks excrete a milky white substance that hardens like latex and helps them maintain their hold on hosts.



## HABITATS

- Border areas of lawns.
- Wooded areas.
- Tall brush/grass.
- Under leaves, under ground cover (plants) in yard, and in leaf litter.
- Around stone walls and woodpiles where mice and other small mammals live.
- Ticks are generally found around bodies of water where wildlife gather to drink.



## DISEASES\*

Below is a list of diseases, the ticks that transmit them and when applicable, the regions they can be found. To learn more about tracking tips and the spread of these diseases, visit [www.CDC.gov/ticks](http://www.CDC.gov/ticks).

**Anaplasmosis:** transmitted by the blacklegged tick along the Pacific coast, the Northeast, and the Midwest.

**Babesiosis:** transmitted by the blacklegged tick in the Northeast and Midwest.

**Borrelia Mayonii:** transmitted by the blacklegged tick in Minnesota and Wisconsin.

**Colorado tick fever:** transmitted by the Rocky Mountain wood tick in the Rocky Mountain states at elevations of 4,000 to 10,500 feet.

**Ehrlichiosis:** transmitted by the lone star tick.

**Heartland virus:** transmitted by the lone star tick in the Midwestern and Southern United States.

**Lyme disease:** transmitted by the blacklegged tick in the Northeastern U.S. and Upper Midwestern U.S., as well as along the Pacific coast.

**Powassan disease:** transmitted by the blacklegged tick in the Northeastern states and the Great Lakes region.

**Rickettsia parkeri rickettsiosis:** transmitted by the Gulf Coast tick.

**Rocky Mountain spotted fever (RMSF):** transmitted by the American dog tick, Rocky Mountain wood tick and the brown dog tick.

**STARI (Southern Tick-Associated Rash Illness):** transmitted by the lone star tick.

**Tularemia:** transmitted by the American dog tick, the Rocky Mountain wood tick, and the lone star tick throughout the U.S.

For treatment site tips, visit [Zoecon.com/ticks](http://Zoecon.com/ticks).

\*Resource: The Center for Disease Control "<https://www.cdc.gov/ticks/diseases/index.html>"

# TICK FIGHT SHEET

Be prepared for tick season with a combination of products that will help keep customers safe. Zoëcon has a lineup of highly effective adulticides with a variety of active ingredients and applications so you will be ready to fight ticks wherever they're hiding.



## Lambda 9.7 CS



## Mavrik® Perimeter



## Essentria® IC-3 Insecticide Concentrate



## ExciteR™



### Active Ingredients

Lambda-Cyhalothrin

Tau-fluvalinate

- Rosemary Oil
- Geraniol
- Peppermint Oil

- Pyrethrins
- Piperonyl Butoxide

### Application

Apply as a spot treatment to kennels, yards, runs, and other areas where pets may frequent. Apply using a coarse fan spray around perimeters to vegetation, brush, branches, rock walls, and other habitats where ticks are found.

This easy-to-use barrier treatment is ideal for use around residential and commercial buildings. With no visible residue or lingering odor, use Mavrik® Perimeter to treat lawns, gardens, and trees. Safe to bees once dried.

Apply Essentria® IC-3 outside as a perimeter spray treatment and on vegetation for natural tick control.

Apply alone as a fogging, general surface, space, spot or crack-and-crevice treatment or combined with an insecticide as a tank-mix synergist to help combat tick resistance. ExciteR™ insecticide is approved for use both outdoors and indoors.

### Application Rates

**Hand Application Equipment:**  
0.8 fl oz dilution per gal of water and spray at a rate of 2 to 5 gal per 1,000 sq ft.

**Turf and Grass:**  
5 to 10 fl oz per acre. See label for dilution rates.

**Perimeter Treatment:**  
Dilute at a rate of .1 fl oz/ per gal of water and spray at a rate of a volume equivalent to 5 gal per 1,000 sq ft.

**Perimeter Treatment:**  
Dilute 1 to 8 fl oz per gal of water and apply at the rate of 2 gal per 1,000 sq ft or until area is thoroughly wet.

**Turf and Grass:**  
2 to 4 fl oz per gal of water and apply at the rate of 2 to 4 gal per 1,000 sq ft.

**Inside:**  
Dilute 2.125 to 4.25 fl oz of ExciteR™ per gal of water and apply the spray thoroughly to infested areas at the rate of 1 gal of diluted spray per 750 sq ft.

**Outside:**  
Dilute 2.125 to 4.25 fl oz of ExciteR™ per gal of water and apply at the rate of 1 gal per 750 sq ft.

**Brown Dog Ticks:**  
Dilute 4.25 fl oz of ExciteR™ per gal of water and apply at a rate of 3 gal per acre.

### Benefits

- Specifically formulated to avoid heat breakdown.
- Perimeter applications for backyard pest control.
- Can be converted to foam to treat structural voids.

- Immediate knockdown of ticks.
- Dried residues are non-toxic to bees.
- Small, easy-to-use 8 oz bottle.

- Natural insecticide has no water setbacks and no pyrethroid restrictions.
- Ideal tank-mix partner.
- A recent study shows IC-3 halts tick questing.

- Use as a stand alone product or combine with other insecticides to increase effectiveness and speed of knockdown.
- No odor.
- Moves through porous surfaces.

To learn more about the Zoëcon® lineup of tick control products, visit [zoecon.com](http://zoecon.com) or contact your local distributor.

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