

TICK FACT SHEET



LIFE CYCLE

Can take up to 3 years to complete full life cycle.



Egg



Six-legged larva



Eight-legged nymph



Adult



American Dog Tick (aka Wood Tick)

- Widely distributed across the U.S., except arid or high-altitude regions.
- Adult females are most likely to feed on humans.



Blacklegged Tick (aka Deer Tick)

- Widely distributed east of the Rocky Mountains.
- Adults may be out searching for hosts in the winter any time the temperature is above freezing.



Brown Dog Tick

- Distributed throughout the U.S. and world wide.
- The only tick that can complete its entire life cycle indoors or out. Prefers feeding on the same host for all life stages.



Lone Star Tick

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



Gulf Coast Tick

- Gulf coast states to eastern coast and midwestern U.S.
- 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, nymphs and 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 where they can be found. To learn more about tracking tips and the spread of these diseases, visit www.CDC.gov/ticks.

Alpha-gal syndrome: life threatening allergic reaction to red meat and other animal products that can occur after the Lone Star tick bite.

Anaplasmosis: transmitted by the blacklegged tick in the northeastern and midwestern U.S. and the Western blacklegged tick in the Pacific northwest.

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

Borrelia Mayonii: transmitted by the blacklegged tick in Minnesota, Wisconsin and North Dakota.

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 and the blacklegged tick.

Heartland virus: transmitted by the lone star tick in the Eastern, Southeastern, and South-central U.S.

Lyme disease: transmitted by the blacklegged tick and most common in the Northeast, Upper Midwest, and Mid-Atlantic U.S.

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.

*Resource: The Center for Disease Control

TICK FIGHT SHEET

Be prepared for tick season with a combination of products that will help keep customers protected. 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.



Precor® Outdoor F-T-M

Introducing



Active Ingredients

- Tau-fluvalinate
- (S)-Methoprene

Application

This microencapsulated formulation effectively targets fleas, ticks, mosquitoes, and a broad spectrum of labeled pests.

Essentria® Mosquito & Tick Concentrate



- Geraniol
- Cinnamon Oil
- Sodium Lauryl Sulfate
- Cornmint Oil

Essentria® Mosquito & Tick Concentrate is for use in and around buildings and structures as well as modes of transport.

ExciteR™



- Pyrethrins
- Piperonyl Butoxide

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.

Zenprox® EC



- Etofenprox
- Piperonyl Butoxide

Zenprox® products provide effective kill of fleas, ticks, cockroaches and other listed pests and can be applied as an indoor broadcast, spot, void, or crack and crevice treatment.

Application Rates

Perimeter Treatment:
Dilute at a rate of 1.9 fl oz per 10 gallons of water and apply at a volume equivalent to 10 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.

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.

Broadcast:
Dilute at a rate of 2 fl oz/gallon of water per 1,000 sq ft.

Spot, Void, or Crack & Crevice:
Dilute at a rate of 2 fl oz/gallon of water per 1,000 sq ft.

Benefits

- Prevents outdoor emergence of adult fleas for up to 8 weeks by breaking flea life cycle.
- Microencapsulated combination -- adulticide + IGR.
- Kills fleas, ticks, mosquitoes and other listed pests.

- Botanical insecticide has no water setbacks and no pyrethroid restrictions.
- Ideal tank-mix partner.
- A recent study shows Essentria® Mosquito & Tick Concentrate 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.

- Controls adult fleas up to 1 month.
- Aids in preventing Bed Bug egg hatch and kills newly hatched Bed Bug nymphs.
- Non-staining formula.

To learn more about the Zoëcon® lineup of tick control products, visit zoecon.com or contact your local distributor.

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