

Life Cycle: Deer Tick **CFAES**

- · Vector Bacterial, Viral, Allergic Syndromes
- · Rapidly developing disease profiles
 - · Expanded ranges, species and diseases
- · Hard shell vs. Soft shell
- Arachnids
- · Hunt via Questing

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Ticks -**Fast Facts**

Disease Transmission

- · Different attachment times for different diseases
- Length of attachment → disease success
- · Anaplasmosis 12-24 hours needed to transmit
- Powassan Virus Nymphal Deer Ticks transmitted POW to mice in 15 minutes
- Lyme > 24hrs (CDC)
- RMSF -> IMMEDIATE???

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Myth #1 – Ticks are only active in summer.

Ticks take one to three years to complete their life cycle depending on species and are active all year long.

Myth #2 – Ticks prefer the woods.

Some tick species such as American Dog Tick and Gulf Coast Tick prefer open habitat such as pasture and field.

Myth #3 – Takes a day to transmit disease.

The disease transmission time varies depending on tick species, life cycle stage and what the disease is.

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Ohio Ticks



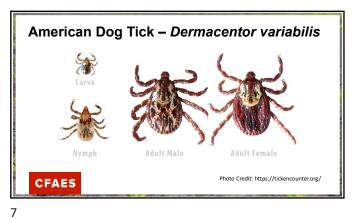
Common ticks found in Ohio From left to right: blacklegged tick nymph, blacklegged tick female, blacklegged tick male, American dog tick female, American dog tick male, lone star tick female, lone star tick male

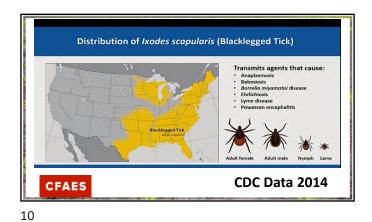
- Brown Dog Tick
- American Dog Tick
- Black Legged Tick
- Lone Star Tick
- Gulf Coast Tick
- Longhorned Tick

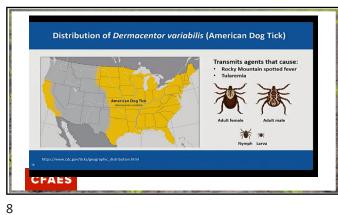
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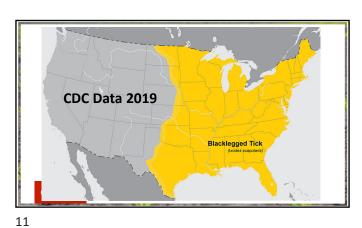
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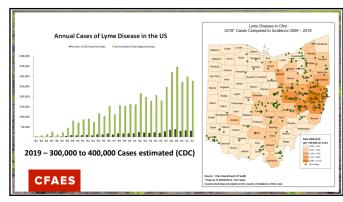


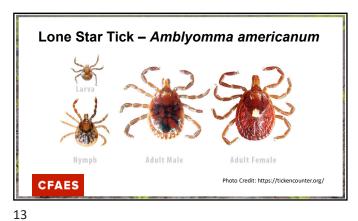


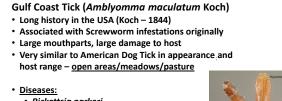












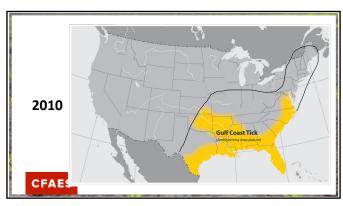
- Rickettsia parkeri
- Canine Hepatozoonosis
- Leptospirosis
- Heartwater
- Tick Paralysis

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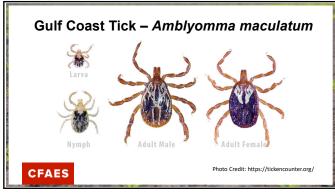
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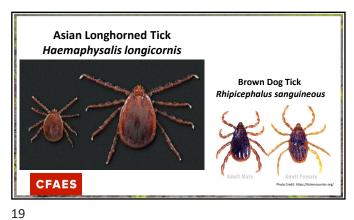


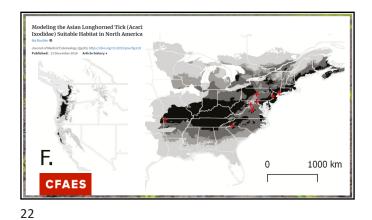
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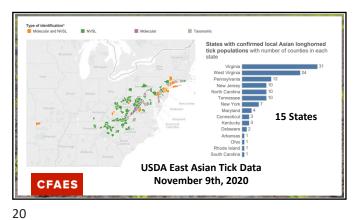




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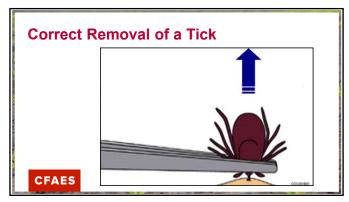












Tick Control - Personal

Permethrin Treated Clothing

- Purchased
- Self Treat

Repellents - Topical

- DEET
- Picaridin
- IR3535

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Create a Tick-safe Zone to Reduce Blacklegged Ticks in the Yard

- •Remove leaf litter
- •Clear tall grasses and brush around homes and at the edge of lawns.
- •Place a 3-ft wide barrier of wood chips or gravel between lawns and wooded areas to restrict tick migration into recreational areas.
- •Mow the lawn frequently.
- •Stack wood neatly and in a dry area (discourages rodents).
- •Keep playground equipment, decks, and patios away from yard edges and trees. •Discourage unwelcome animals (such as deer, raccoons, and stray dogs) from
- •Discourage unwelcome animals (such as deer, raccoons, and stray dogs) from entering your yard by constructing fences.
- •Remove old furniture, mattresses, or trash from the yard that may give ticks a place to hide.

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The Connecticut Agricultural Experiment Station has developed a comprehensive <u>Tick Management Handbook pdf iconIPDF – 84 pageslexternal icon</u> for preventing tick bites.

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- · Tick diseases are prevention diseases
- · All FOUR Seasons
- New <u>diseases/species/ranges</u>

Take Homes

- · Bacterial, Viral, Allergic
- Need a personal plan for safety
- Permethrin Treated Clothes + Repellants
- Companion Animals can break biosecurity
- Proper Removal

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· Submit Tick for Testing