

Northeastern IPM Center Partnership Grant Impacts



Tick IPM

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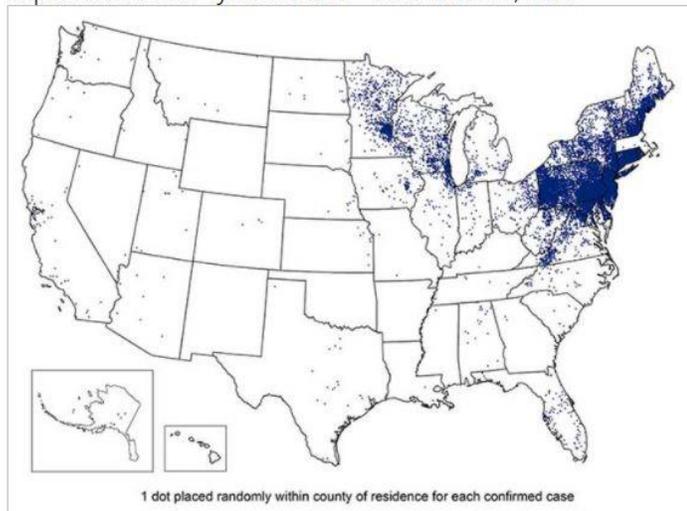
THE NEED



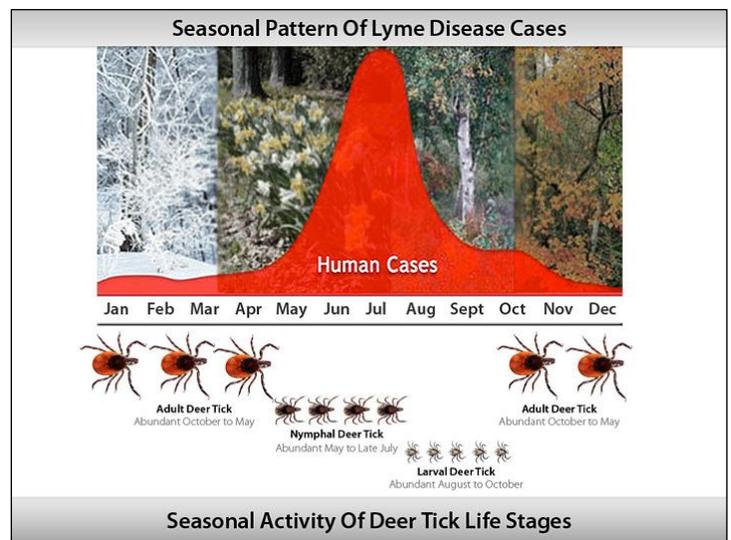
Photo: tickcounter.org/resources/tick_biteology

- “I just found this tick! Will I get Lyme disease?” These days, it’s an all-too-common question in the northeastern U.S. and across America.
- The Centers for Disease Control (CDC) now indicates that **more than 300,000 new cases of Lyme disease are diagnosed each year across America** and health economists estimate that the current cost to the U.S. healthcare system alone is between **\$712 million and \$1.3 billion annually**.
- More generally, tickborne disease statistics show that the **northeastern states report about 90% of all human and pet cases**.
- Making matters worse and health costs even higher is the increasing incidence of **other tickborne illnesses** like babesiosis, anaplasmosis, ehrlichiosis, Rocky Mountain spotted fever, and encephalitic viruses such as Powassan, which appear to be increasing as their [tick-vector ranges expand](#).

Reported Cases of Lyme Disease – United States, 2018



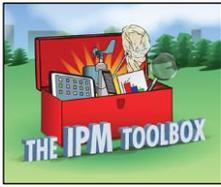
Source: cdc.gov/lyme/stats/maps.html



Source: tickcounter.org/prevention/lyme_disease



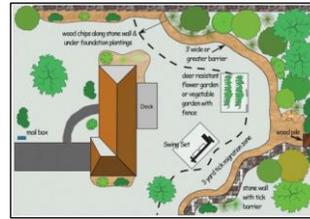
IMPACTS



ticktubes.com



www.tickboxtcs.com



The use of hardscapes, mulches, and xeriscape landscaping techniques can help reduce tick habitat. Figure: Kirby Stafford.



Deer ticks. Deer photos: Andrew Li.



4-Poster deer treatment bait station.



"Tick lick" deer treatment station.



Effective deer tick treatment.



Don't Get Ticked NY kit: DontGetTickedNY.org Photo: Matt Frye.

Funded Projects – Over 1.2 Million People Reached	Directors	State
Northeast School IPM Working Group	Kathy Murray	ME
The TickEncounter Web Portal: a user-friendly platform for combining tick risk assessment and testing with tick protection outreach	Thomas Mather	RI
Manipulation of Winter Soil Conditions as an IPM Tool for Blacklegged Tick Control	Kirby Stafford	CT
Tick IPM Toolbox Webinars – 774 Registrations	Presenters	State
Strategies and Barriers to the Prevention of Tick-Borne Disease	Kirby Stafford	CT
What Happens When/If Reducing Source or Preventing Tick Bites Has Failed	Stephen M. Rich	MA
Asian Longhorned Tick IPM	Dina Fonseca Matt Bickerton	NJ
Habitat Management for Vector-Borne Diseases	Allison Gardner	ME
Pathogens Found in Ticks Collected on School Grounds and Public Parks + DontGetTickedNY.org	Joellen Lampman Matt Frye Jody Gangloff-Kaufmann Laura Goodman	NY
Host-Targeted Tick Control—What Works, What Does Not, and What's New	Andrew Li	MD
Leaf Litter/Snow Removal for Tick Reduction	Kirby Stafford	CT

WEBSITES

- northeastipm.org/ipm-in-action/the-ipm-toolbox/tick-ipm-series/tickencounter.org
- experiment.com/projects/can-we-use-crowd-sourced-tick-surveillance-to-improve-prevention-behaviors
- entomologytoday.org/2017/10/20/the-current-state-of-integrated-tick-management/
- neregionalvectorcenter.com
- DontGetTickedNY.org
- northeastipm.org/neipm/assets/File/Schools/School-Nurses/Ticks-in-schools-guidance.pdf