



**ARMED FORCES PEST MANAGEMENT BOARD**  
OFFICE OF THE ASSISTANT SECRETARY OF DEFENSE  
(ENERGY, INSTALLATIONS AND ENVIRONMENT)  
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INFORMATION BULLETIN

ON

HAEMAPHYSALIS LONGICORNIS (EAST ASIAN TICK) MONITORING  
17 August 2018

1. The East Asian tick, *Haemaphysalis longicornis*, was first detected in the United States at a New Jersey farm in November 2017. Since this initial discovery, the tick has been identified in West Virginia, Virginia, and Arkansas with additional states implementing surveillance efforts.
2. The East Asian tick is native to Japan, China, Korea, and Russia where it is a known or suspected vector of several viral, bacterial and protozoan pathogens of animal and human diseases. It has become a major invasive pest of cattle in New Zealand, Australia and several Pacific islands. The potential public health impact of the East Asian tick in the United States is undetermined at this time.
3. The Armed Forces Pest Management Board (AFPMB) recommends that tick surveillance programs should be implemented at installations in regions where tick-borne disease is prevalent in accordance with service specific guidance. Contact the following service organizations for sampling procedures, processing instructions and permits
  - a. Army Public Health Center (APHC) – Entomological Sciences Division (410) 436-3613 or email [usarmy.apg.medcom-aphc.mbx.surveillance-archive@mail.mil](mailto:usarmy.apg.medcom-aphc.mbx.surveillance-archive@mail.mil).  
<https://phc.amedd.army.mil/organization/ehse/Pages/EntomologicalSciences.aspx>
  - b. U.S. Air Force School of Aerospace Medicine (USAFSAM) – Medical Entomology Lab. Please contact Dr. Leah Colton (937) 938-3078, [leah.colton@us.af.mil](mailto:leah.colton@us.af.mil). AFMS Knowledge Exchange website:  
[https://kx2.afms.mil/kj/kx7/PublicHealth/Documents/Entomology/Sending%20Samples%20to%20the%20USAFSAM%20Medical%20Entomology%20Laboratory\\_May%202018.pdf](https://kx2.afms.mil/kj/kx7/PublicHealth/Documents/Entomology/Sending%20Samples%20to%20the%20USAFSAM%20Medical%20Entomology%20Laboratory_May%202018.pdf).
  - c. Navy and Marine Corps Public Health Center - Preventive Medicine Directorate. Please contact LCDR James Dunford at commercial (757) 953-0756 or email at [james.c.dunford.mil@mail.mil](mailto:james.c.dunford.mil@mail.mil).
4. The lead agency monitoring the OCONUS spread of this tick is the US Department of Agriculture, Animal Plant Health Inspection Service. Their National Veterinary Services Laboratories (NVSL) in Ames, IA, should be informed of suspected *H. longicornis* detections.

Contact Dr. Jack L. Schlater, Supervisor, Parasitology Laboratory ([jack.l.schlater@aphis.usda.gov](mailto:jack.l.schlater@aphis.usda.gov); 515 337-7301) for further information.

5. Information concerning installation tick management procedures may be found in installation pest and natural resource management plans.

6. General tick biology, surveillance, prevention, control and distribution information can be obtained at the following websites:

a. AFPMB Technical Guide 26 – Tick-Borne Diseases: Vector Surveillance and Control. <https://www.acq.osd.mil/eie/afpmb/docs/techguides/tg26.pdf>.

b. Tick Management Handbook, An integrated guide for homeowners, pest control operators, and public health officials for the prevention tick-associated disease, Kirby C. S. Stafford, Connecticut Agricultural Experiment Station, New Haven. [www.ct.gov/caes/lib/caes/documents/publications/bulletins/b1010.pdf](http://www.ct.gov/caes/lib/caes/documents/publications/bulletins/b1010.pdf).

c. Tick-borne Diseases of the United States: a Reference Manual for Health Care Providers, Fourth Edition, 2017. <https://www.cdc.gov/lyme/resources/TickborneDiseases.pdf>.

d. Reducing the Threat of Ticks around Your Home. Army Public Health Center Video. <https://www.youtube.com/watch?v=La595pUE0mw>.

e. How to Prevent Tick Bites. Army Public Health Center Video. <https://www.youtube.com/watch?v=5Tq82cMziJc>.

f. How to Remove Attached Ticks. Army Public Health Center Video. [https://www.youtube.com/watch?v=3bl37ceSZ\\_s](https://www.youtube.com/watch?v=3bl37ceSZ_s).

g. Identification and general East Asian Tick Biology Fact Sheet. [http://keys.lucidcentral.org/keys/v3/hard\\_ticks/key/Ixodidae%20genera/Media/Html/Haemaphysalis\\_longicornis.htm](http://keys.lucidcentral.org/keys/v3/hard_ticks/key/Ixodidae%20genera/Media/Html/Haemaphysalis_longicornis.htm).

h. Tick Prevention Poster. Army Environmental Command Poster. <https://aec.army.mil/application/files/9715/0185/2196/Ticks.pdf>.

7. Please contact Dr. Doug Burkett at [douglas.a.burkett.civ@mail.mil](mailto:douglas.a.burkett.civ@mail.mil) or (301) 295-8304 for further information and questions.

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