Haemaphysalis longicornis tick
New Jersey’s Response

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Haemaphysalis longicornis Tick

Timeline events and ICS activation

**August 2017**
- **The first tick**
  - First notification
  - Return with more ticks
  - NJ initial Identification
  - Agencies involved

**November 2017**
- **Confirmation**
  - Before publication
  - NVSL confirmation
  - Initial NJDA investigation – not a farm
  - **Disease potential**
  - Public notification

**November 2017**
- **Eradication**
  - Unknown origin
  - Hope of an isolated case
  - Treatment of animal and environment
  - Epi evaluation
  - Agencies involved

**April 2018**
- **Overwinter**
  - How many winters?
  - Treatment and eradication
  - Wildlife – No Livestock
  - Agencies involved
  - Public notification
  - ICS - Activation

**May 2018**
- **Other sites/States**
  - Tick Blitz
  - Tick in more counties
  - The news, NPR...
  - 1-833 NEW TICK
  - Website
  - Other states
Some of the Pathogens...

- Anaplasma phagocytophilum; Anaplasma bovis
- Borrelia spp.
- Babesia ovata; Babesia major; Babesia gibsoni; Babesia bigemina and bovis
- Ehrlichia chafeensis
- Huaiyangshan virus hemorrhagic fever
- Khasan virus
- Powassan virus
- Rickettsia japonica
- Russian Spring-Summer Encephalitis Virus
- Severe Fever with Thrombocytopenia syndrome
- Theileria spp; Babesia (Theliera) equi
- Tick-borne encephalitis virus
Testing sheep and ticks

- **November 2017**
  - Blood samples (EDTA, serum, heparin) NVSL & CDC
    - *Babesia bigemina* (CF), *Babesia bovis* (CF)
    - Theileria
    - Rickettsia
    - *Anaplasma marginale* (CF and cELISA)
    - Ehrlichia
    - *Coxiella burnetii* (ELISA and CF)
    - SFTS virus (Severe Fever with Thrombocytopenia Syndrome)

- **December 4, 2017** Negative results (NVSL) & CDC

- No disease identified (to date)