Maine 2019 Arboviral Surveillance Summary

- 1,539 mosquito pools tested for Eastern Equine Encephalitis (EEE) and West Nile virus (WNV)
  - 2 pools tested positive for EEE in York County
  - Increase from 758 pools in 2018
  - Mosquitoes collected from 44 towns in 12 counties
- 0 human cases of domestic arboviral illnesses
  - 63 individuals tested at HETL
- 1 horse tested positive for EEE
  - 13 animals tested at HETL

Maine CDC sponsored pesticide resistance monitoring testing:
- At least 10 pesticide resistance tests using the CDC bottle bioassay
  - Culex pipiens tested for resistance to bifenthrin
- 0 tests showed resistance

Current regional situation
- New Hampshire identified first Jamestown Canyon Virus cases of the 2020 Arboviral Season in early July
- Massachusetts has early arboviral activity
  - 4 mosquito pools positive for WNV
  - 7 mosquito pools positive for EEE

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Mosquito Trapping

- **115 sites surveyed**
- Traps used for surveillance:
  - CDC Miniature Light Traps
  - Resting boxes (n=270)
  - BG-GATs
  - Gravid traps
- **10 to 12 BG-GATs per town**
- 5 municipal areas:
  - Augusta
  - Bangor
  - Biddeford/Saco
  - Lewiston/Auburn
  - Portland