33rd Annual Pinelands Short Course at Stockton University

March 12, 2022
33rd Annual Pinelands Short Course
Campus Center Parking Lots 1-4
Brought to you by Continuing Studies
EXPERIMENTAL MAPLE SAP HARVEST AREA

FOR MORE INFORMATION CONTACT:
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STOCKTON UNIVERSITY MAPLE GRANT
Tick-borne disease risk in the Pinelands

- Lone Star Tick
  - *Ehrlichia chaffeensis*
  - *Ehrlichia ewingii*
- American Dog Tick
  - *Rickettsia rickettsii*
- Blacklegged Tick
  - *Borrelia burgdorferi* (Lyme disease)
  - *Borrelia miyamotoi*
- Winter Tick
  - *Anaplasma phagocytophilum*
Snake Benefits

- Food web balance
- Pest control
- Timber rattler removed 2,500-4,500 ticks from each site annually.
The Earth's Climate System
Smallest bat & smallest mammal
in the world!!

(Thailand)
“Bumblebee bat”
Kitti’s Hog-Nosed Bat
Some are pretty darn UGLY!
Largest bats in the world:
“The Flying Foxes”

Largest Bat Ever Found:
Grumman Golden-Crowned Flying Fox

Largest Bat On Average:
Large Flying Fox
A Stick in Time Saves Nine

Pollen Grains

Pollinarium

Mark Whitten, Florida Museum of Natural History

Trick, Not Treat

- Flowers appear to have pollen, which usually leads insects to nectar.
- Flower coloration mimics plants flowering at similar times that actually offer nectar.
- Flower structures designed to enmesh insect visitors.
- Wide range of flower coloration to confuse pollinators.
Glands produce sticky mucilage

Makoto Honda
Carnivorous Plants Story
http://www.honda-e.com/cps06b.htm
THANK YOU

JOEL MOTT

Principle Public
Programs Specialist

New Jersey Pinelands
Commission