



CAES

The Connecticut Agricultural Experiment Station

Putting Science to Work for Society since 1875

The 108th

Plant Science Day



#CAES

Wednesday, August 8, 2018 • 10AM-4PM

— Free Admission —

OPEN HOUSE

THE CONNECTICUT AGRICULTURAL EXPERIMENT STATION

LOCKWOOD FARM, 890 EVERGREEN AVENUE, HAMDEN

THE SAMUEL W. JOHNSON LECTURE • PRESENTATIONS ON RESEARCH • BARN EXHIBITS • PESTICIDE CREDITS
FIELD EXPERIMENTS • TECHNICAL DEMONSTRATIONS • CENTURY FARM AWARD • PASSPORT FOR CHILDREN



Henry Talmage

THE SAMUEL W. JOHNSON MEMORIAL LECTURE

**Mr. Henry N. Talmage, Director of Member Relations and
Economic Services**

New York Farm Bureau

Profitability: The Key to Sustainable Agriculture



New Haven 203.974.8500 • Toll-free 877.855.2237 • www.ct.gov/caes

The Experiment Station is a state-supported scientific research institution where theory and practice have marched together to improve the well-being of Connecticut.

DIRECTIONS: FROM INTERSTATE 91 TRAVELING NORTH: Take Exit 10. Follow the Route 40 connector for 3.1 miles. Turn right onto Whitney Avenue (Route 10) and go north for 0.6 miles. Turn left onto Evergreen Avenue at the traffic light; go 0.1 mile and turn right onto Kenwood Avenue. The farm is on the left; enter the 2nd driveway.

TRAVELING SOUTH: Take Exit 10. Follow the Route 40 connector for 3.0 miles. Turn right onto Whitney Avenue (Route 10) and go north for 0.6 miles. Turn left onto Evergreen Avenue at the traffic light; go 0.1 mile and turn right onto Kenwood Avenue. The farm is on the left; enter the 2nd driveway.

The 108th
Plant Science Day

WEDNESDAY, AUGUST 8

Gates open at 9:30 a.m.
Program begins at 10:00 a.m. • Event 10:00 a.m.–4:00 p.m.

No pets, please.
Service animals only.
Rain or Shine
Free Admission

10:00 a.m. – 10:15 a.m. PAVILION
MORNING GREETING AND OPENING REMARKS
Dr. Theodore G. Andreadis, Director
The Connecticut Agricultural Experiment Station

10:15 a.m. - 10:45 a.m. PAVILION
Dr. Wade H. Elmer, Chief Scientist, Department of
Plant Pathology and Ecology
Are Nanoparticles the New Weapon Against Plant Disease?

10:15 a.m. – 10:35 a.m. TECHNICAL DEMONSTRATION TENT
(20-minute demonstration, repeated twice during the day,
10:15 a.m. & 2:30 p.m.)
Mr. Mark H. Creighton, Technician I, Department of Entomology
Beekeeping Systems Used in Connecticut

10:40 a.m. – 11:00 a.m. TECHNICAL DEMONSTRATION TENT
(20-minute demonstration, repeated twice during the day,
10:40 a.m. & 3:00 p.m.)
Mr. Gregory J. Bugbee, Associate Agricultural Scientist,
Department of Environmental Sciences
Invasive Aquatic Plant Program

10:45 a.m. - 11:05 a.m. PAVILION
CENTURY FARM AWARD
Zentek Farms LLC, Cheshire, CT

11:05 a.m. – 11:10 a.m. PAVILION
EXPERIMENT STATION ASSOCIATES
Mr. Skip Hobbs, *President, Experiment Station Associates*

11:10 a.m. – 12:00 noon PAVILION
THE SAMUEL W. JOHNSON MEMORIAL LECTURE
Mr. Henry N. Talmage, Director of Member Relations and Economic Services
New York Farm Bureau
Profitability: The Key to Sustainable Agriculture

1:15 p.m. - 1:45 p.m. PAVILION
Dr. Quan Zeng, Assistant Agricultural Scientist II, Department
of Plant Pathology and Ecology
Fire Blight: History, Management, and New Challenges

1:45 p.m. - 2:15 p.m. PAVILION
Dr. Carole A. Cheah, Assistant Agricultural Scientist II,
Valley Laboratory
*Climate Impacts on Hemlocks and Hemlock Woolly Adelgid in the
Northeast*

2:15 p.m. PAVILION
Adjourn Main Talks

2:30 p.m. – 2:50 p.m. TECHNICAL DEMONSTRATION TENT
(20-minute demonstration, repeated twice during the day,
10:15 a.m. & 2:30 p.m.)
Mr. Mark H. Creighton, Technician I, Department of Entomology
Beekeeping Systems Used in Connecticut

3:00 p.m. - 3:20 p.m. TECHNICAL DEMONSTRATION TENT
(20-minute demonstration, repeated twice during the day,
10:40 a.m. & 3:00 p.m.)
Mr. Gregory J. Bugbee, Associate Agricultural Scientist,
Department of Environmental Sciences
Invasive Aquatic Plant Program

3:20 p.m. TECHNICAL DEMONSTRATION TENT
Adjourn Technical Demonstrations

3:20 p.m. SIGN-OUT (For those requesting pesticide credits) (R)
Attendees pick up Pesticide Credit forms at the registration table (R).

BUS TOUR (B). Every Half Hour, 10:00 a.m. to 3:30 p.m.
This is a great way to see the farm. Join us on an air-conditioned
bus ride around the farm for approximately 30 minutes. You can be
dropped off at any plot, and picked up the next time the bus comes
around. Dr. Neil Schultes and Dr. Abigail Maynard will narrate the
ride.

The bus will be suspended during the guest lecture from
11:00 a.m. – 12:00 noon.

Tour of Native Shrubs (Plot 41). 1:00 p.m.-1:30 p.m.
Dr. Jeffrey S. Ward, Station Forester and Head, Department of
Forestry and Horticulture

A ½ hour guided tour of our Native Shrub planting. Learn about using native
shrubs for naturalistic landscapes without the use of pesticides and fertilizers.

BARN EXHIBITS (BARN B)

The Gypsy Moth Outbreak of 2017

Department: Entomology

Investigator: Dr. Victoria Lynn Smith

Assisted by: Ms. Tia M. Blevins, Mr. Zachary Brown, and Mr. Jeffrey M. Fengler

Select Agent Analysis at CAES

Department: Analytical Chemistry

Investigator: Dr. Christina S. Robb, Dr. Walter J. Krol, and Dr. Brian D. Eitzer

Indoor Molds and Their Management

Department: Valley Laboratory

Investigator: Dr. DeWei Li

The New Crops Program – Creating Opportunities for Connecticut’s Farmers

Department: Forestry & Horticulture

Investigators: Dr. Abigail A. Maynard

Assisted by: Ms. Valerie Perzanowski

Computational Biochemistry Applied to Agriculture

Department: Environmental Sciences

Investigator: Dr. Charles R. Vossbrinck

Assisted by: Dr. Jonas Barandun and Dr. Mirjam Hunziker

Using Nanoparticles to Suppress Plant Diseases

Departments: Plant Pathology & Ecology and Analytical Chemistry

Investigators: Dr. Wade H. Elmer and Dr. Jason C. White

Assisted by: Mr. Peter W. Thiel, Dr. Chuanxin Ma, Dr. Roberto De La
Torre-Roche, and
Dr. Nubia Zuverza-Mena

**ANSWERS TO YOUR
QUESTIONS**

(Plot 22)

Staff members answer your
questions on identification
of insects, plant disorders,
soils and their management,
and other problems of
growers and gardeners.

KIDS' KORNER

(Plot 27)

Come to the Kids' Korner
to pick up your child's
passport and gift.

SELF-GUIDED ACTIVITY

(Plot 28)

For all children, including
Girl Scouts.

