



The Connecticut Agricultural Experiment Station  
Putting Science to Work for Society since 1875

# The 111<sup>th</sup> Plant Science Day



#CT\_CAES

## Wednesday, August 4, 2021 • 10am-4pm

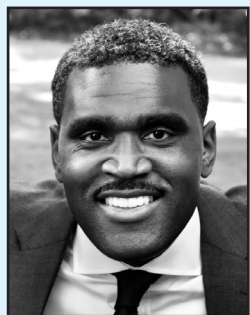
— Free Admission —

# OPEN HOUSE

## THE CONNECTICUT AGRICULTURAL EXPERIMENT STATION

LOCKWOOD FARM - 890 EVERGREEN AVENUE, HAMDEN, CT

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



## THE SAMUEL W. JOHNSON MEMORIAL LECTURE

**Mr. Brent Peterkin, Executive Director**

**Gather New Haven, New Haven, CT**

*Urban Ecosystems and Cultivating Communities*



**New Haven 203.974.8500 • Toll-free 877.855.2237 • [portal.ct.gov/caes](http://portal.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.



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Wednesday, August 4, 2021

**NO PETS, PLEASE.  
SERVICE  
ANIMALS ONLY.  
RAIN OR SHINE  
FREE ADMISSION**

Gates open at 9:30 am  
Programs begins at 10:00 am • Event 10:00 am - 4:00 pm

## **BARN EXHIBITS (BARN B)**

**Food and Feed Safety Investigations and Research at CAES**

**Department: Analytical Chemistry**

Investigators: Dr. Brian Eitzer, Dr. Walter Krol, Mr. Craig Musante, and Ms. Terri Arsenault

**Healthy Forests, Healthy People**

**Department: Forestry and Horticulture**

Investigators: Dr. Scott C. Williams and Dr. Megan A. Linske

**Palmer Amaranth Biotype in Connecticut is Resistant to Multiple Herbicides**

**Department: Valley Laboratory**

Investigator: Dr. Jatinder S. Aulakh

**How Mosquito Feeding Behavior Impacts Disease Transmission**

**Department: Environmental Sciences**

Investigators: Dr. Douglas Brackney and Dr. Philip Armstrong

**Maggots in Murder and Medicine**

**Department: Entomology**

Investigators: Dr. Kirby C. Stafford III and Dr. Gale E. Ridge

**Soil Protists and Plant Health**

**Department: Plant Pathology and Ecology**

Investigators: Dr. Lindsay R. Triplett, Dr. Stephen Taerum, and Dr. Ravi Patel

### **ANSWERS TO YOUR QUESTIONS**

(Plot 15)

Staff members in the “questions and answers” tent are prepared to give information on identification of insects, plant disorders, soils and their management, and other problems of growers and gardeners.

### **KIDS' KORNER**

(Plot 20)

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

### **SELF-GUIDED ACTIVITY**

(Plot 21)

For all children, including Girl Scouts

### **CONNECTICUT PESTICIDE CREDITS**

(Registration, R)

Connecticut pesticide credits will be offered for attending Plant Science Day.



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**10:00 a.m. – 10:15 a.m.**

**MORNING GREETING AND OPENING REMARKS**

Dr. Jason C. White, Director  
The Connecticut Agricultural Experiment Station

**PAVILION**

**10:15 a.m. - 10:45 a.m.**

Dr. Robert E. Marra, Associate Agricultural Scientist, Department of Plant Pathology and Ecology. Beech Leaf Disease: Emergence and Spread in Connecticut and New England

**PAVILION**

**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. Gregory J. Bugbee, Associate Agricultural Scientist, Department of Environmental Sciences. Assisted by: Ms. Summer Stebbins, Agricultural Research Technician, Department of Environmental Sciences.  
Container and Raised Bed Gardening: Big Yields From Small Places

**1:15 p.m.- 1:45 p.m.**

Dr. Walter Krol, Associate Agricultural Scientist and Ms. Terri Arsenault, Agricultural Research Technician II, Department of Analytical Chemistry.  
Industrial Hemp: An Emerging Crop in Connecticut

**PAVILION**

**1:45 p.m.-2:15 p.m.**

Dr. Kirby C. Stafford III, Chief Scientist, State Entomologist, Department of Entomology. Plant Science Day Celebration: A History

**PAVILION**

**2:15 p.m.**

Adjourn Main Talks

**PAVILION**

**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. Gregory J. Bugbee, Associate Agricultural Scientist, Department of Environmental Sciences. Assisted by: Ms. Summer Stebbins, Agricultural Research Technician, Department of Environmental Sciences. Container and Raised Bed Gardening: Big Yields From Small Places

**10:40 a.m. – 11:00 a.m.**

**TECHNICAL DEMONSTRATION TENT**

(20-minute demonstration, repeated twice during the day, 10:40 a.m. & 3:15 p.m.)  
Dr. Scott C. Williams, Agricultural Scientist, Department of Forestry and Horticulture. Assisted by: Mr. Michael R. Short, Agricultural Research Technician II, Department of Forestry and Horticulture. Deer and Wildlife Control in Your Garden

**3:15 p.m.-3:35 p.m.**

**TECHNICAL DEMONSTRATION TENT**

(20-minute demonstration, repeated twice during the day, 10:40 a.m. & 3:15 p.m.)  
Dr. Scott C. Williams, Agricultural Scientist, Department of Forestry and Horticulture. Assisted by: Mr. Michael R. Short, Agricultural Research Technician II, Department of Forestry and Horticulture. Deer and Wildlife Control in Your Garden

**10:45 a.m. - 11:05 a.m.**

**OUTSTANDING YOUNG FARMER AWARD**

Suzie Flores, Stonington Kelp Co., Stonington, CT

**PAVILION**

**CENTURY FARM AWARD**

March Farm, Bethlehem, CT

**PAVILION**

**11:05 a.m. – 11:15 a.m.**

**EXPERIMENT STATION ASSOCIATES**

Ms. Cheryl Cappiali, President, Experiment Station Associates

**PAVILION**

**11:15 a.m. – 12:00 noon**

**THE SAMUEL W. JOHNSON MEMORIAL LECTURE**

Mr. Brent Peterkin, Executive Director  
Gather New Haven, New Haven, CT  
Urban Ecosystems and Cultivating Communities

**PAVILION**

**3:35 p.m.**

**TECHNICAL DEMONSTRATION TENT**

Adjourn Technical Demonstrations

**3:35 p.m.**

**SIGN-OUT**

(For those requesting pesticide credits) (R)

Attendees can pick up their Pesticide Credit forms at the registration table (R).

**LOCKWOOD FARM WALKING TOUR**

(Meet at the Registration Desk, R)

11:00 a.m.-12:00 p.m.

Dr. Robert E. Marra, Forest Pathologist, Department of Plant Pathology and Ecology

**Tour of Native Woody Shrubs (Plot 38) 1:00 p.m.-1:30 p.m.**

MEET AT THE WOOD ARBOR OF THE NATIVE WOODY SHRUBS (Plot 38)

Dr. Jeffrey S. Ward, Station Forester and Head, Department of Forestry and Horticulture