Katie Scharf Dykes is the Commissioner of Connecticut’s Department of Energy & Environmental Protection (DEEP). She was nominated by Governor Ned Lamont to serve as the Commissioner of DEEP, and was confirmed on February 20, 2019. Katie previously served as Chair of the Connecticut Public Utilities Regulatory Authority (PURA) from 2015-2018, and as Deputy Commissioner for Energy at Connecticut DEEP from 2012-2015. Katie also served as the Chair of the Board of Directors of the Regional Greenhouse Gas Initiative, Inc. (RGGI) from 2014 to 2017, and is the current Chair. RGGI is a multi-state effort focused on reducing carbon emissions from electric generating facilities. Katie joined CT DEEP in March 2012 after prior service as Deputy General Counsel for the White House Council on Environmental Quality and as a Legal Advisor to the General Counsel for the U.S. Department of Energy.
The 112th Plant Science Day
Wednesday, August 3, 2022

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

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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

10:15 a.m. - 10:45 a.m.
Dr. Leigh Whittinghill, Assistant Agricultural Scientist II, Department of Environmental Science and Forestry. Urban Agriculture for Food Security in Challenging Spaces

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.)
Mr. Mark Creighton, Agricultural Research Technician I, Department of Entomology. Beekeeping Systems Used in Connecticut

11:00 a.m. - 11:15 a.m.
EXPERIMENT STATION ASSOCIATES
Ms. Cheryl Cappiali, President, Experiment Station Associates

11:15 a.m. - 12:00 noon
THE SAMUEL W. JOHNSON MEMORIAL LECTURE
Ms. Katie S. Dykes, Commissioner
Connecticut Department of Energy and Environmental Protection (CT DEEP)

11:15 a.m. - 12:00 noon
Dr. Leigh Whittinghill, Assistant Agricultural Scientist II, Department of Environmental Science and Forestry. Urban Agriculture for Food Security in Challenging Spaces

1:00 p.m.-1:30 p.m.
Tour of Native Woody Shrubs (Plot 36) MEET AT THE WOOD ARBOR OF THE NATIVE WOODY SHRUBS (Plot 36)
Dr. Jeffrey S. Ward, Emeritus Scientist, Department of Environmental Science and Forestry Assisted by: Alexander Amendola, Forester 1, Connecticut Department of Energy and Environmental Protection (CT DEEP)

1:45 p.m.-2:15 p.m.
Dr. Carlos Tamez, Assistant Agricultural Scientist II, Department of Analytical Chemistry. Laboratory Analyses of Processed Foods, Raw Agricultural Commodities and Animal Feed in Connecticut

2:15 p.m.
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 Creighton, Agricultural Research Technician I, Department of Entomology. Beekeeping Systems Used in Connecticut

3:00 p.m.
Adjourn Technical Demonstrations

3:15 p.m.-3:35 p.m.
TECHNICAL DEMONSTRATION TENT
(20-minute demonstration, repeated twice during the day, 10:15 a.m. & 3:15 p.m.)
Mr. Gregory J. Bugbee, Associate Agricultural Scientist, Department of Environmental Science and Forestry. Assisted by: Ms. Summer Stebbins, Agricultural Research Technician, Department of Environmental Science and Forestry. Managing Weeds in Lakes and Ponds

3:35 p.m.-3:55 p.m.
TECHNICAL DEMONSTRATION TENT
(Plot 36)
Mr. Joseph P. Barsky, Agricultural Research Technician, Department of Environmental Science and Forestry. Managing Weeds in Lakes and Ponds

3:55 p.m.-4:15 p.m.
Beekeeping Systems Used in Connecticut
Mr. Mark Creighton, Agricultural Research Technician I, Department of Entomology. Beekeeping Systems Used in Connecticut

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

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**BARN EXHIBITS (BARN B)**

**Nano-enabled Agriculture Research at CAES**
**Department:** Analytical Chemistry

Investigators: Dr. Nubia Zuverza-Mena, Dr. Washington da Silva, Dr. Susanna Kerio, Dr. Milica Pavlicevic, Dr. Shiail Vaidya, Dr. Yi Wang, Dr. Chaoyi Deng, Dr. Ines Karmous, Dr. Wade Elmer (Emeritus), Dr. Christian Dimkpa, and Dr. Jason C. White

**Wild Bee Biodiversity in Connecticut**
**Department:** Entomology

Investigators: Ms. Tracy Zarrillo and Dr. Kimberly Stoner (Emeritus), assisted by Ms. Morgan Lowry (Retired)

**A New Environmentally-Friendly Phosphate Fertilizer: Delivery of Less Leachable Nutrients from Biochar to Plants**
**Department:** Environmental Sciences

Investigator: Dr. Philip Wang, Mr. Tyler Swanson, Dr. Yi Wang, Mr. Alex Waller, Dr. Wade Elmer (Emeritus), and Dr. Joseph Pignatello (Emeritus)

**Myccorrhizae and Urban Tree Health**
**Department:** Forestry and Horticulture

Principal Investigator: Dr. Susanna E. Kerio
Co-Investigators: Dr. Nubia Zuverza-Mena, Dr. Wade H. Elmer (Emeritus), Dr. Adriana Arango-Velez Puralewski assisted by Mr. Joseph P. Barsky

**Beech Leaf Disease in Connecticut**
**Department:** Plant Pathology and Ecology

Investigator: Dr. Robert E. Marra, assisted by Ms. Alexandra Farah

**Armored Scale Pests of Christmas Trees**
**Department:** Valley Laboratory

Investigator: Dr. Richard S. Cowles

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**ANSWERS TO YOUR QUESTIONS**
(Plot 16)
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 21)
Come to the Kids’ Korner to pick up your child’s passport and a gift.

**SELF-GUIDED ACTIVITY**
(Plot 22)
For all children, including Girl Scouts

**CONNECTICUT PESTICIDE CREDITS**
(Registration, R)
Connecticut pesticide credits will be offered. All categories and private applicator (PA) category/3.25 total credit hours.