



CAES SEMINAR SERIES

In person and on Zoom:

<https://us02web.zoom.us/j/85030121425?pwd=OFR4MWYwVk1lbnRwTExubHNMRWt6UT09>

Meeting ID: 850 3012 1425 Passcode: ia0Qjn

“Urban Trees, Sugar, and Stress”

Dr. Susanna Keriö

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Wednesday, April 6, 2022

12:00 p.m. to 1:00 p.m.

Food and coffee will be available at 11:45 a.m.

Jones Auditorium

The Connecticut Agricultural Experiment Station

123 Huntington Street, New Haven, CT

By investing in urban trees, we gain valuable ecosystem services that support human well-being and make cities livable. The urban conditions are often suboptimal for tree growth, which amplifies the impacts of abiotic and biotic stress on tree health. A critical survival mechanism for trees is the regulation of storage and utilization of sugar and starch (non-structural carbohydrate). This talk will present on the value and importance of healthy urban tree canopy for healthy cities, why trees need sugar, how stress affects carbohydrate metabolism in trees, and discusses the potential of using non-structural carbohydrates to detect stress and quantify health in urban trees.