

Cornell CALS

Life-Changing Research, Education and Outreach

New York's Land-Grant University

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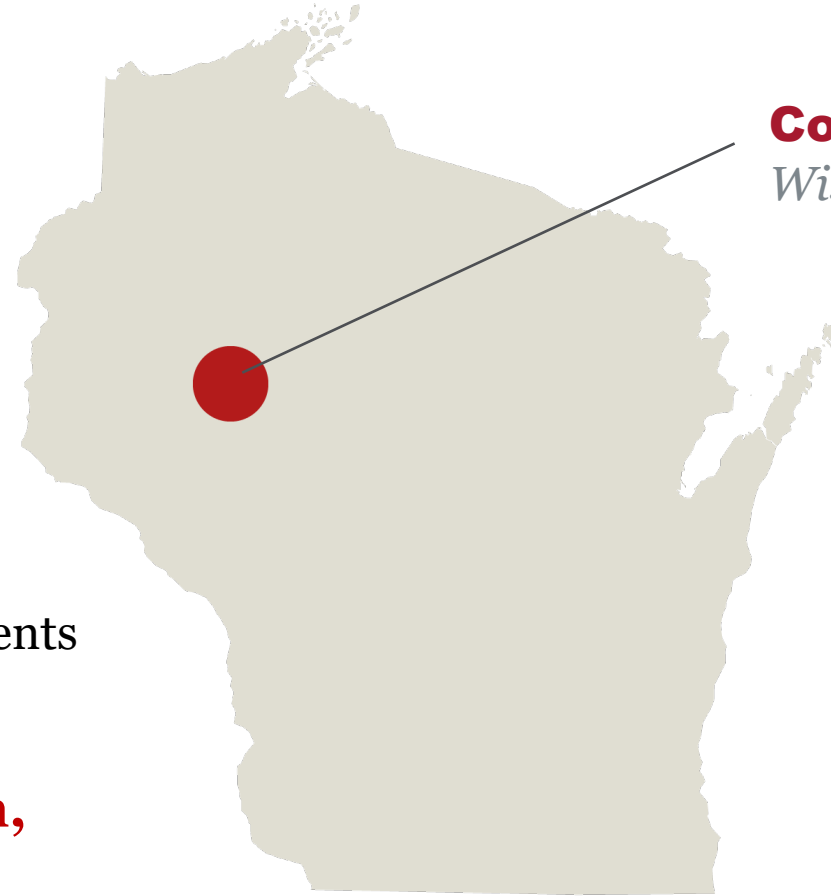
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What is a “Land-Grant University”

- Morrill Act of 1862
- President Abraham Lincoln

Promised to provide a liberal education with practical elements to students across the entire socioeconomic spectrum.

Ezra Cornell - **“Any person, any study.”**



Cornell,
Wisconsin

Acknowledge that this awe-inspiring mission was not without severe displacement and consequences to tribal communities across the nation.

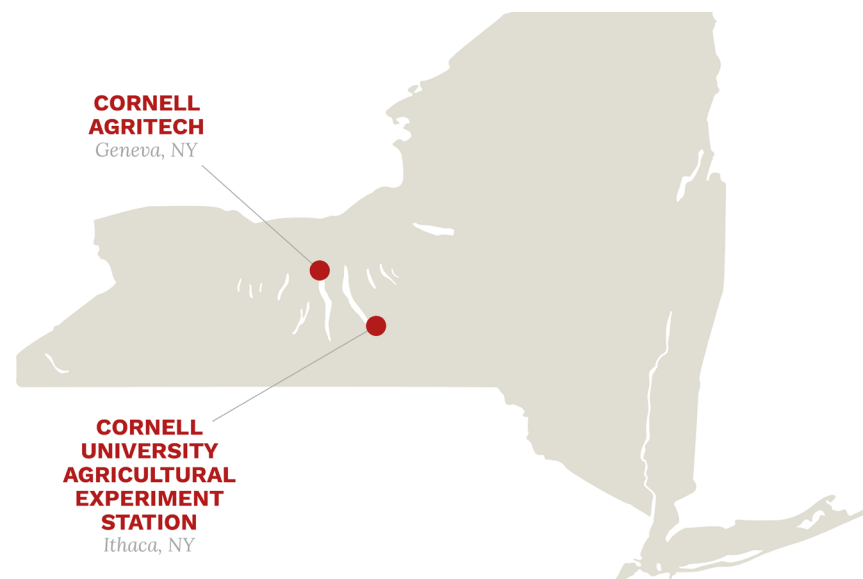
**Cornell founded in
1865.
NYS College of
Agriculture and Life
Sciences (aka
Cornell CALS)
founded in 1904.**

2 State Senators – Ezra
Cornell and Andrew White.
Cornell CALS founding Dean
– Liberty Hyde Bailey



The “Land-Grant” mission has been embedded in our DNA for almost 160 years

- Morrill Act of 1862
- Hatch Act of 1887



- Established research farms, called experiment stations, across the U.S, including:
 - Cornell University Agricultural Experiment Station (CUAES)
 - Cornell AgriTech in Geneva, NY — the NYS Agricultural Experiment Station
- Established a stream of research funds for agriculture called Hatch Funds

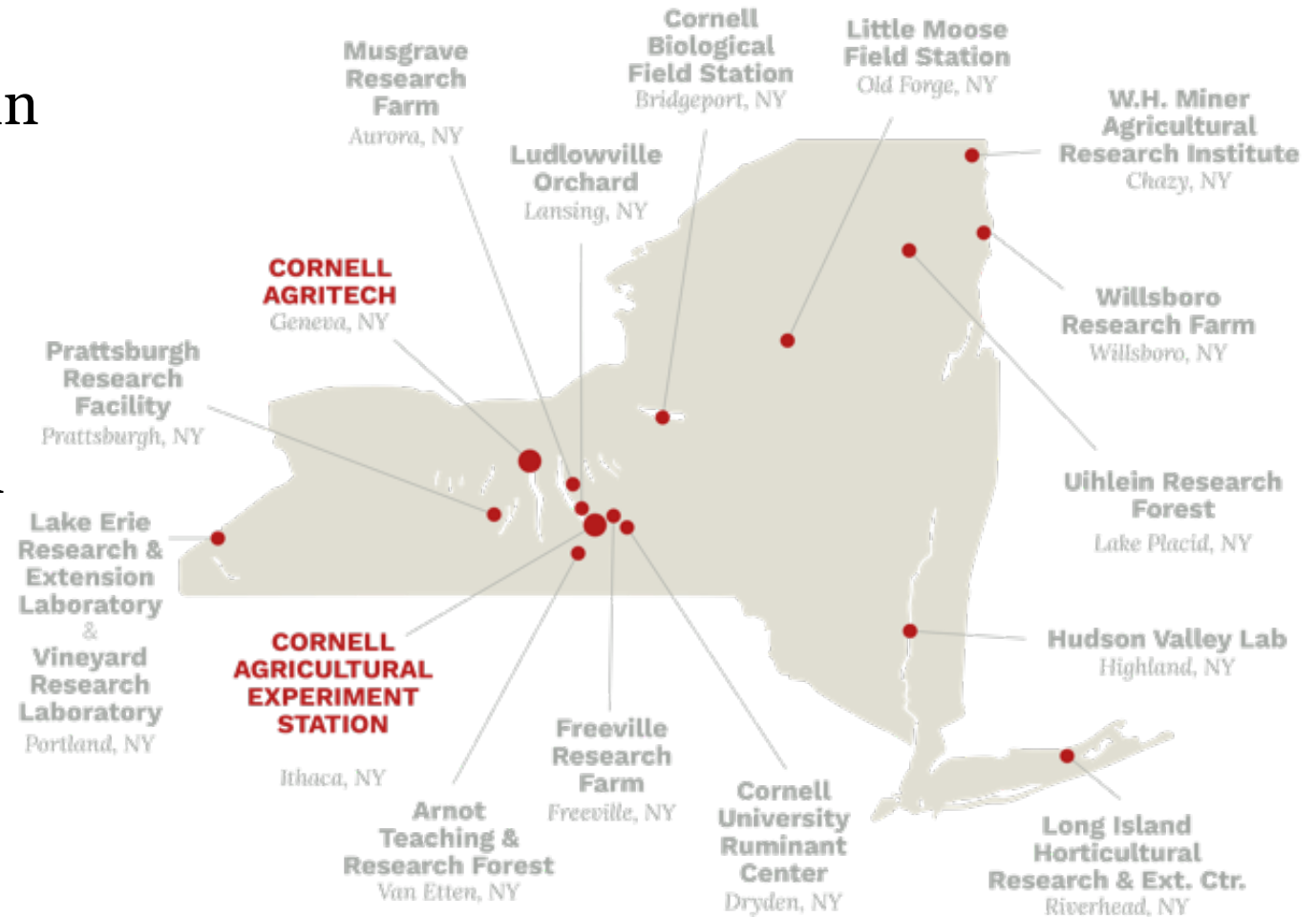
CALS 'land-grant' footprint

Cornell CALS conducts research, teaching and extension programs in

16

locations in New York state with
495 buildings.

Field stations, research farms and forests spanning agrifood systems and environmental and natural resources focused solutions.



Teaching + Research

But what about Translation aka Extension?

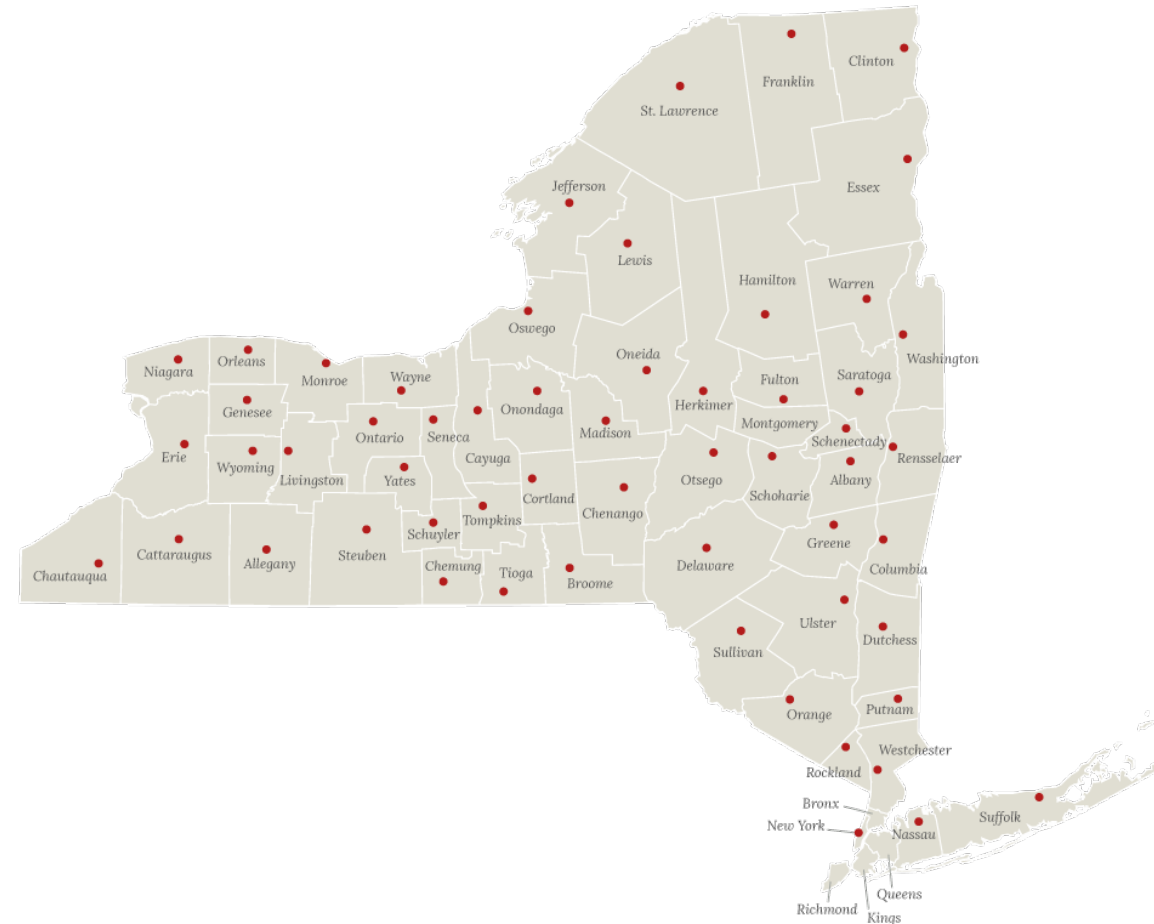


- Morrill Act of 1862
- Hatch Act of 1887
- Smith-Lever Act of 1914

Established home and farm bureaus across the U.S., which “spun off” Cornell Cooperative Extension as a separate entity in 1955

Cornell Cooperative Extension System

- Gives Cornell University a presence in every county of NYS and every borough in NYC through CUCE-NYC.
- Translates research-based knowledge to over 2M people each year with almost 200k volunteers.
- AgriFood Systems, community development, youth education, environmental sustainability programs.



Office of Land Grant Affairs

- Objectives
 - Steward our land-grant 150+-year Land-Grant mission in NYS.
 - Provide technical scientific advice and assistance to policy makers, regulatory officials & stakeholders when asked.
 - Promote visibility & capacity of CALS in a way that secures necessary resources for impactful science.
 - Whatever the Dean and NYS throws at us.....



Translational Research Programs the 3 C's of CALS statewide engagement



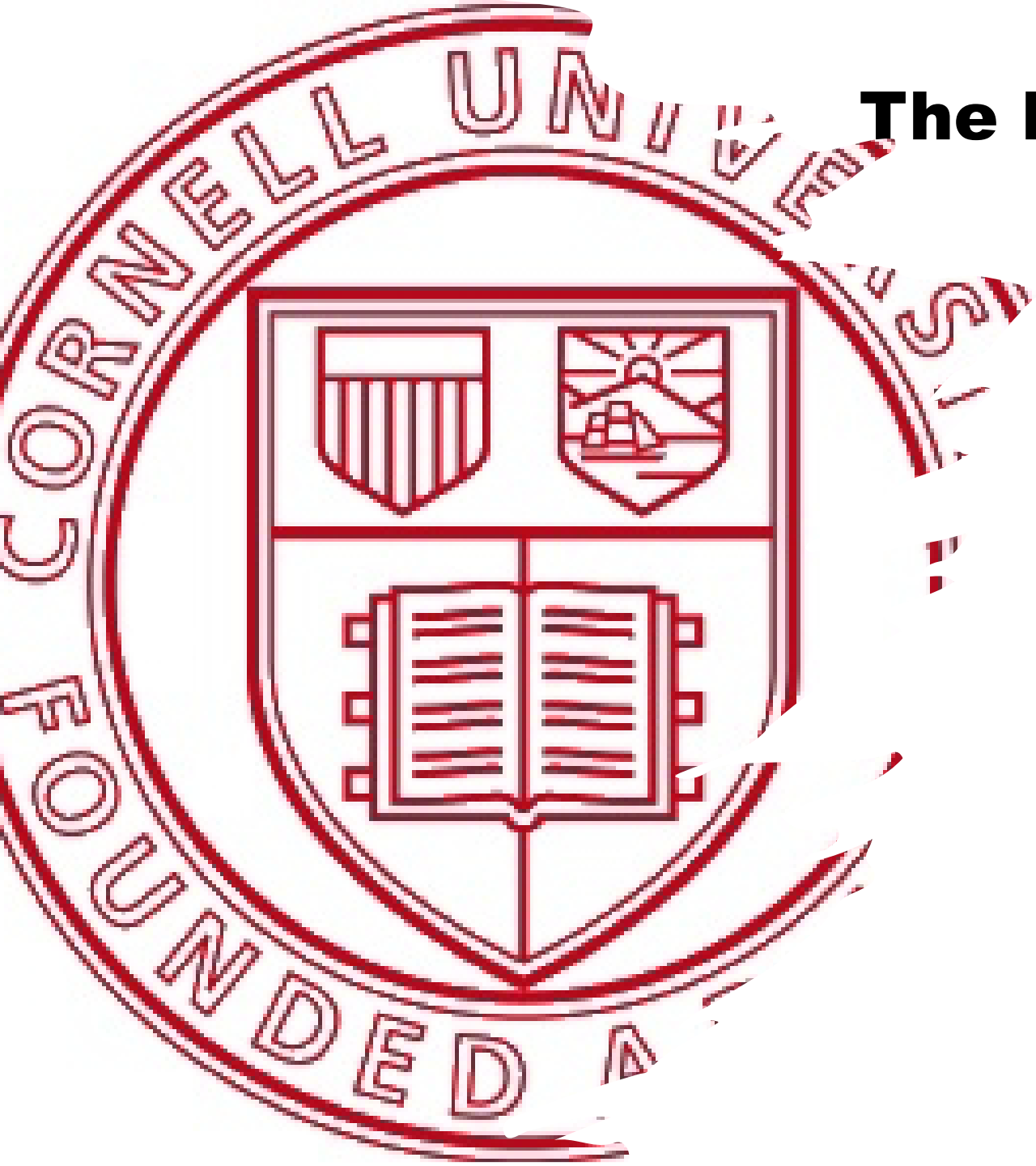
Pollinator Network @ Cornell



Cornell Forest Connects
PRO-LIVESTOCK
Cornell Waste Management Institute



**15 programs with 148+/-
staff.**



The Land-Grant's role in NYS

- Early history: 1893 'nature studies'; Anna Botsford Comstock; Liberty Hyde Bailey's 'Good Roads' movement in rural life. Over 270 new plant varieties licensed; Acid Rain; Likens & Schofield.
 - 90's
 - CWMI biosolids
 - GMO's & biotechnology
 - 2000's
 - N & P Indexes
 - Biocontrol for invasives
 - Spindle trellis system
 - Youth education programs via FFA/4-H
 - 2010's
 - 1st Climate Assessment
 - Food Safety Implementation
 - Digital/precision agriculture
 - 2020's
 - Soil Health benchmarks
 - Farm2School
 - Workforce training – English & Spanish

CALS is an octopus in NYS

Our “Tentacles” are embedded in the state of NY – working on improving food security and access; conducting nutrition education; youth activities; fostering innovation and focused on purpose-driven science.



Questions?

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CALS teaching, research, extension mission is possible only because of our 150+ year partnership with NYS, with the federal government, and with our community.

Generational partnerships and purpose-driven science has been a cornerstone for CALS and NYS.

