



Welcome to the New York Soil Health Summit 2022



Use: Questions and Answers for Presenters

Use: Chat for sharing information with all participants

Agenda for Today



9:05 – 9:35	Presentation by government, legislature, agency, and institutional representatives
9:35 - 10:15	Research and outreach updates – Cornell Soil Health Team
10:15 - 10:25	Break
10:25 – 11:05	Research updates - CALS
11:05 – 11:35	Farmer Panel
11:35 – 11:55	Updates from NGO Partners
11:55 – 12:00	Closing Remarks
12:00 – 1:00	Lunch
1:00 – 2:00	Soil Health Roundtable Discussions – Breakout groups

Thank you speakers, panelists, and organizers!



Kevin King, Deputy Secretary for Food and Agriculture



NYS Senator Michelle Hinchey



NYS Senator George Borrello (Invited)



Joseph Amsili, Cornell University



Debbie Aller, Cornell University



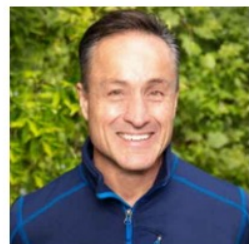
Matt Ryan, Cornell University



Suzanne Hunt, Hunt Country Vineyard



Michael Glos, Cornell University



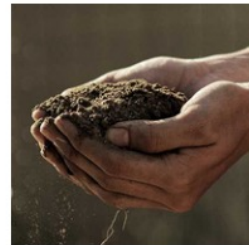
Pete Lopez, Scenic Hudson



NYS Assemblymember Donna Lupardo



NYS Assemblymember Chris Tague



Daniel Ufnar, State Soil Scientist for NRCS in NY



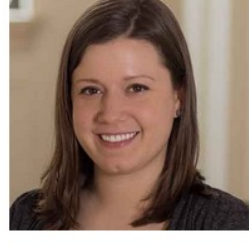
Jenny Kao-Kniffin, Cornell University



Greg Peck, Cornell University



Virginia Moore, Cornell University



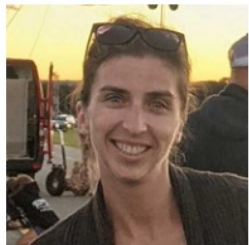
Katie Baildon, NOFA-NY



Bianca Moebius-Clune, American Farmland Trust



Jeff Williams, New York Farm Bureau



Jennifer Clifford, NYS Dept of Ag & Markets



Julie Suarez, Cornell University



Harold van Es, Cornell University



Louis Longchamps, Cornell University



Zaid Kurdieh, Norwich Meadows Farm



Dale Stein, Stein Farms



Kitty Gifford
Communications Specialist

NYS Soil Health and Climate Resiliency Act



Highlights

- Promote and encourage soil health and climate resiliency practices
- Conduct public stake holder meetings
- Reduce farming effects on climate change
- Establish appropriate voluntary standards and objectives for soil health
- Promote best management practices for climate mitigation and soil resiliency
- Accelerate adoption of BMPs related to soil health, cropping systems and nutrient management to achieve N₂O emission reductions



New York Soil Health Roadmap - 2019



Vision

New York State is a recognized leader in soil health research, outreach, and policy, with effective stakeholder partnerships and demonstrated success at promoting a strong and dynamic agricultural and forest economy, protecting natural resources and biodiversity, improving resilience to extreme weather, and contributing to climate change mitigation.



Goals and Priorities

- (1) Institutionalize a stakeholder network and organizational framework...**
- (2) Identify and take steps to overcome barriers to wider adoption of soil health practices...**
- (3) Integrate climate change adaptation and mitigation...**
- (4) Integrate water and nutrient management....**



New York Soil Health Roadmap - 2023



Objectives

- Identify emerging issues
- Define new priorities - research, outreach, policy, implementation

Roundtable Discussion Breakout Groups (1:00-2:00 PM)

- Voluntary soil health standards (Joseph Amsili, moderator)
- Rural production environments (Harold van Es, moderator)
- Urban environments (Perl Egendorf, moderator)
- Organic systems (Matt Ryan, moderator)
- Circular economy (Deborah Aller, moderator)
- Payment for ecosystem services (Jenna DeRario and Michael Glos, moderators)

Roundtable meeting Zoom link available in Chat and Email

New York Soil Health Website and Social Media



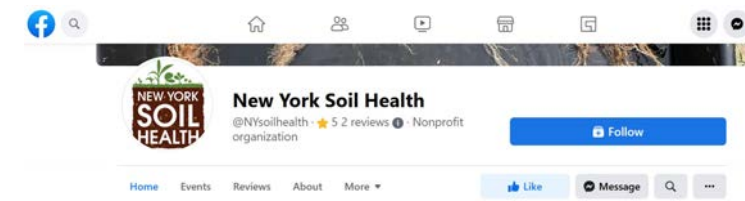
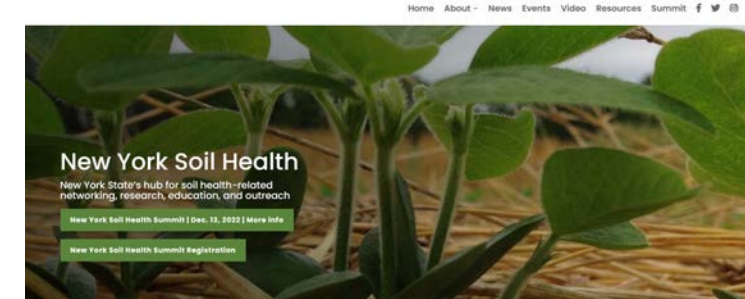
<https://www.newyorksoilhealth.org/>

Facebook: @NYsoilhealth

Twitter: @SoilHealthNY

Instagram: newyorksoilhealth

- News
- Documents
- Videos
- Partner information
- etc.





Kevin King,
Deputy Secretary for Food and Agriculture



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New York State Legislators



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Agencies



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United States Department of Agriculture



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Soil Health Summit-NRCS Update

12/13/2022

Dan Ufnar, NY State Soil Scientist

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nrcs.usda.gov/

NRCS - Priorities



- Advancing Equity, Justice, and Equal Opportunity
- Addressing Climate Change
- Supporting Urban Agriculture and Innovative Production
- Cultivating a Diverse, Well-Trained Workforce
- Building Partnerships

<https://www.nrcs.usda.gov/about/priorities>



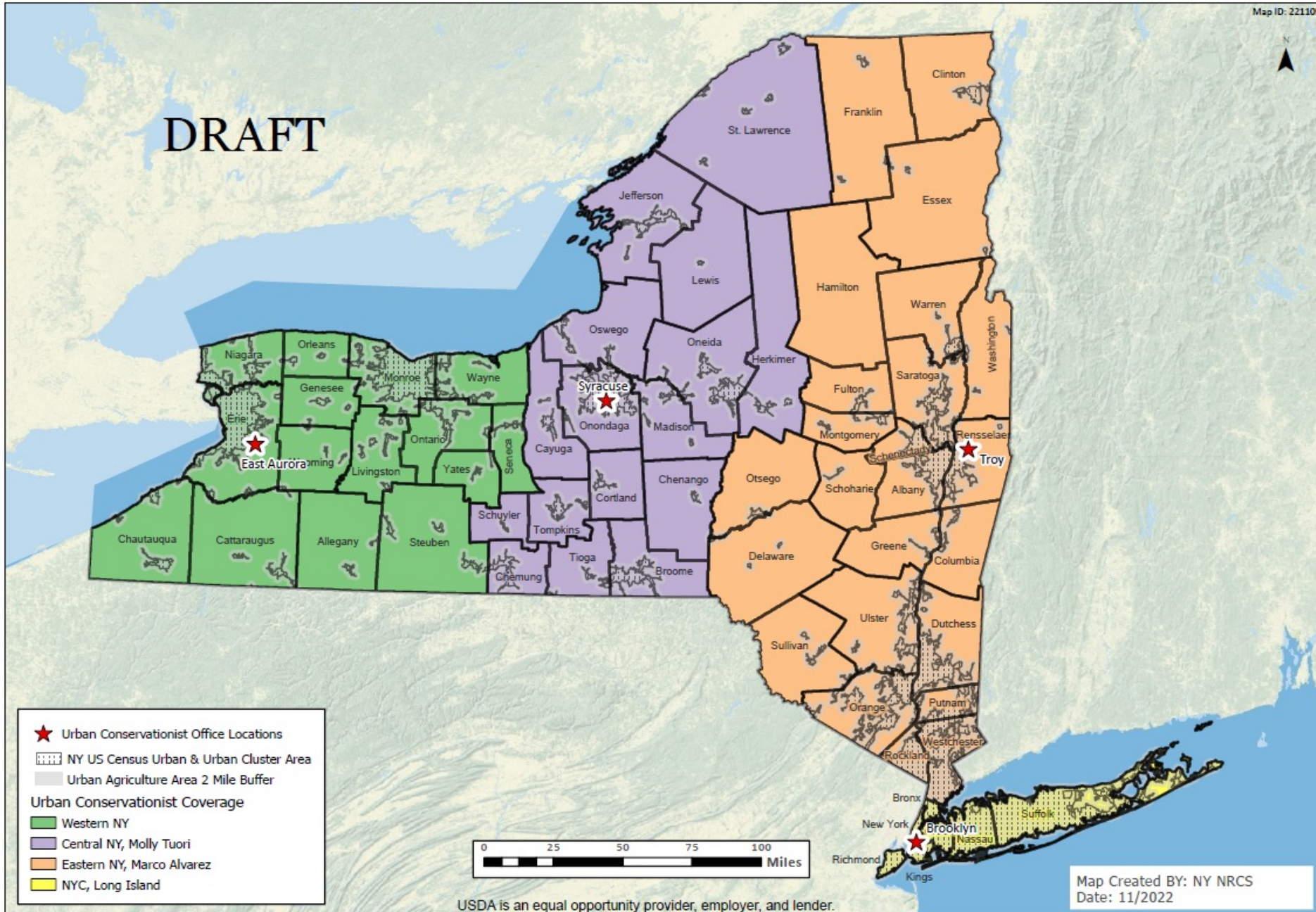
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[nrcs.usda.gov/](https://www.nrcs.usda.gov/)

New York Urban Conservationist Coverage

Map ID: 221109

DRAFT



Partnerships for Climate-Smart Commodities Projects September 2022 | First Funding Pool

USDA is investing up to \$2.8 billion in 70 selected projects under the first [Partnerships for Climate-Smart Commodities | USDA](#) funding pool, which includes proposals seeking funds ranging from \$5 million to \$100 million.

1. **Farmers for Soil Health Climate-Smart Commodities Partnership**
2. **Strengthening Grassroots Leadership and Capacity to Scale Climate-Smart Production Systems and Facilitate Underserved Producers' Access to Markets**
3. **Climate SMART (Scaling Mechanisms for Agriculture's Regenerative Transformation)**
4. **The Climate-Smart Agriculture Innovative Finance Initiative**
5. **Transforming the Farmer-to-Consumer Supply Chain with Climate-Smart Agriculture Partnerships**
6. **NYS Connects: Climate-Smart Farms and Forests**
7. **Climate-Smart Farming and Marketing: Engaging in Community-Science**
8. **Scaling Methane Emissions Reductions and Soil Carbon Sequestration - A Value-Added Commodities Approach for United States Dairy**



Inflation Reduction Act-NRCS program figures

Inflation Reduction Act | USDA

All funds need to be obligated and spent by September 30, 2031.

EQIP

- \$250M for FY 23
- \$1.75B for FY 24
- \$3B for FY 25
- \$3.45B for FY 26

CSP

- \$250M for FY 23
- \$500M for FY 24
- \$1B for FY 25
- \$1.5B for FY 26

ACEP

- \$100M for FY 23
- \$200M for FY 24
- \$500M for FY 25
- \$600M for FY 26

RCPP

- \$250M for FY 23
- \$1.2B for FY 24
- \$2.25B for FY 25
- \$3.05B for FY 26



Soil Health—NRCS Assistance



- NRCS-NY Local Field Offices
 - [Find Your Local Service Center | Farmers.gov](#)
 - Technical assistance and conservation planning
 - Training
- Soil Health Division
 - National and regional technical assistance, and training
 - Policy and guidance
 - Tools and technical notes.
- Soil and Plant Science Division
 - MLRA Soil Survey Offices—Initial, Update and Data Maintenance Projects
 - Dynamic Soil Property Studies



[Soil Health | Natural Resources Conservation Service \(usda.gov\)](https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soils/soil-health)

<https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soils/soil-health>

[Soil Health Assessment | Natural Resources Conservation Service \(usda.gov\)](https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soils/soil-health/soil-health-assessment)

<https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soils/soil-health/soil-health-assessment>

[Soil Health Education and Outreach | Natural Resources Conservation Service \(usda.gov\)](https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soils/soil-health/soil-health-education-and-outreach)

<https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soils/soil-health/soil-health-education-and-outreach>

[Find Your Local Service Center | Farmers.gov](https://www.farmers.gov/working-with-us/service-center-locator)

<https://www.farmers.gov/working-with-us/service-center-locator>

[Soil | Natural Resources Conservation Service \(usda.gov\)](https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soil)

<https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soil>

[Soil Science | Natural Resources Conservation Service \(usda.gov\)](https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soil/soil-science)

<https://www.nrcs.usda.gov/conservation-basics/natural-resource-concerns/soil/soil-science>

[Web Soil Survey \(usda.gov\)](https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx)

<https://websoilsurvey.sc.egov.usda.gov/App/WebSoilSurvey.aspx>

[New York | Natural Resources Conservation Service \(usda.gov\)](https://www.nrcs.usda.gov/conservation-basics/conservation-by-state/new-york)

<https://www.nrcs.usda.gov/conservation-basics/conservation-by-state/new-york>



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Persons with disabilities who require alternative means of communication for program information (e.g., Braille, large print, audiotape, American Sign Language, etc.) should contact the responsible Agency or USDA's TARGET Center at (202) 720-2600 (voice and TTY) or contact USDA through the Federal Relay Service at (800) 877-8339. Additionally, program information may be made available in languages other than English.

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- (1) mail: U.S. Department of Agriculture
Office of the Assistant Secretary for Civil Rights
1400 Independence Avenue, SW
Washington, D.C. 20250-9410;
- (2) fax: (202) 690-7442; or
- (3) email: program.intake@usda.gov.

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Climate Initiatives

Jennifer Clifford, NYS Soil and Water Conservation Committee/
NYS Department of Agriculture and Markets

Soil Health Summit – December 13, 2022

Kathy Hochul
Governor

Richard A. Ball
Commissioner

Dale Stein
Chair

Soil Health and Climate Resiliency Act



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Soil Health and Climate Resiliency Act

Charged AGM and SWCC with:

1. Encourage soil health in urban, suburban, and rural communities
2. Encourage agricultural producers in urban, suburban, and rural communities to reduce the effects of farming on climate change
3. Make practical information from soil health research available to agricultural producers in urban, suburban, and rural communities

Moving Forward

- More Stakeholder Engagement - public email and feedback sessions being planned
- Soil Health Research continued
- Urban/Suburban farming assistance
- Develop Voluntary Soil Health Standards (aspirational goal(s))



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CLCPA Scoping Plan



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CLCPA Scoping Plan

Climate Leadership and Community Protection Act (Climate Act) (signed 2019)

- Target: reduce economy-wide GHG emissions 40% by 2030 and no less than 85% by 2050 from 1990 levels
- Climate Action Council (CAC) - developing a Scoping Plan to serve as framework to meet targets
- Public comments being integrated, and final edits being made
- CAC will vote on Scoping Plan December 19th

Chapter 15: Agriculture and Forestry/Chapter 18 Land Use – sets targets and recommendations for:

- Sustainable Forest Management
- Reforestation/Afforestation
- Avoided agricultural and forestry land use conversions
- Livestock Management
- Soil Health, Nutrient Management, and Agroforestry
- Climate-Focused Bioeconomy



USDA Climate Smart Commodities Grant



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Climate Smart Commodities Grant

NYS Connects: Climate Smart Farms and Forests

- **Partners:** DEC Lands & Forests, AGM, SWCC, SWCDs, Cornell, ESF, Syracuse University
- **Awarded:** \$60M
- **Main Program Goals:**
 1. Direct assistance to farmers for climate smart BMPs to reduce GHG emissions on-farm
 2. Include underserved farmers
 3. Measurement, Monitoring, Reporting, & Verification (MMRV) of GHG reductions

Climate Resilient Farming (CRF) Program



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Climate Resilient Farming (CRF)

- **CRF Grant Program Round 6 stats ([press release](#)):**
 - 69 applications received
 - \$13M requested
 - Awarded \$8,407,207 ([Project Descriptions](#))
 - 21 new participants awarded funds
 - 18,302 acres of cover crops will be implemented
 - 29 acres of riparian buffers will be implemented
 - Estimated total of 68,584 MTCO₂ eq/yr emissions reductions proposed by awarded projects



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Climate Resilient Farming (CRF)

- **CRF Grant Program Proposed Round 7**
 - \$15M available
 - RFP released in January and close in June

Track	Proposed Funding Available
Track 1: Livestock Management: Alternative Waste Management & Precision Feed Management	\$5,000,000
Track 2: Adaptation & Resiliency	\$6,000,000
Track 3: Healthy Soils NY	\$4,000,000



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Climate Resilient Farming (CRF)

Beyond Round 7

- Carbon Farm Plans – cost-share for planning
- Increased funding with Climate Smart Commodities grant
- Use of adaptive management and digital technology tools and development of quantification tools
- More support for urban and underserved farmers



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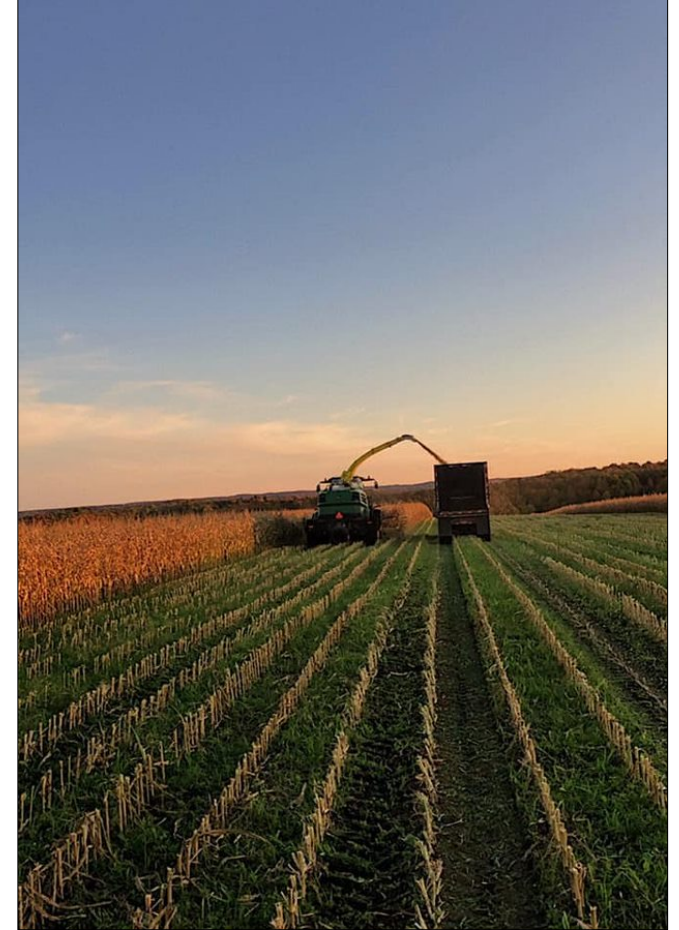
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Julie Suarez

Associate Dean Cornell-CALS



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