# Evaluation of new hybrid varieties with improved disease resistance, fruit quality & yield

**Giverson Mupambi**

Oversight Committee Meeting. November 19, 2021.

UMass Cranberry Station
Research & Extension

# Motivation



- Growers in MA are interested in new hybrid varieties from breeding programs in New Jersey and Wisconsin
- Newer hybrids varieties have not been evaluated under MA conditions
- Cost of renovating a cranberry bog is $10,000 to $25,000 per acre

# Project goals

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Evaluate 12 new hybrid varieties from New Jersey and Wisconsin breeding programs under rigorous scientific conditions for:

1. Ease of establishment, time to reach full productivity and yield.

2. Fruit quality (fruit color, firmness, internal quality, berry size, and storage potential).

3. Fruit rot resistance. (Leela Uppala)

# Project goals

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4. Sensitivity to damage from herbicides and ability to outcompete weed species that are predominant in newly renovated cranberry bogs. (Hilary Sandler/Katie Ghantous)

5. Resistance to insect pests and attractiveness to pollinators. (Anne Averill)

6. Vulnerability to frost damage. (Peter Jeranyama)

# Greenhouse propagation - March

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# Bog renovation- March

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# Rooted cuttings ready – May

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# Research plots planted – June



# Progress – September

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# Challenges



# Extension meetings

# Acknowledgments

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- Staff and faculty at Cranberry Station

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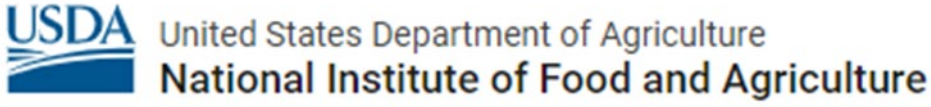


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