



# Recent Accomplishments

- New table grape and raisin grape varieties
- National Grape Registry
- Eudora muscadine
- Pixie grape
- Molecular color markers
- Powdery and downy mildew resistance evaluations, germplasm, and markers
- Botrytis diagnostics

# Coming along

- Improved varieties:
  - Rootstocks (nematode resistance)
  - Frontenac blanc
    - Other cold hardy types
  - Loose Vignoles
  - Table and raisin grapes
  - PD resistant varieties
- Germplasm evaluation and characterization
- Markers
  - Disease resistance

# Major gaps

- Virus responses of rootstocks and varieties
- Virus status of national grape collection
- Responsiveness to changing priorities
  - Abiotic/biotic stresses
- **Evaluation of varieties and germplasm**

# Variety and Germplasm Evaluation

Goal: ARS white paper on the resource status for evaluating varieties, clones, and germplasm, incorporating budget requirements to accomplish evaluation.

Includes present ARS capacity, NE 1020, need for additional resources, opportunities for cooperation with state, regional agencies and industry partners.

# Opportunities

- Regional adaptation of varieties
- Germplasm diversity
- Novel products and bioactive compounds
- Growth characteristics
- Disease and pest resistance/tolerance
- Vigor management
- Genetic characterization

# Increasing Outreach

- Include an “outreach activity” as a formal part of the regular performance expectation for scientists. Could be a field day, an article in a popular press journal, an on-farm trial, etc. or some other specific type of outreach activity.
- Job description includes percent for outreach (such as 85 research/15 outreach)
- Impact presently is included as a part of performance evaluation