

# NYS Vegetable Research Association and Council

## Priorities for 2021

These priorities were established by processing vegetable growers, crop consultants, and field representatives from Seneca Foods, Farm Fresh First (representing Bonduelle USA), Dewey Produce (table beets), and Love Beets USA in New York. The list was reviewed and updated at the annual Processing Vegetable Commodity Advisory meetings held December 15–16, 2020 (virtual meetings).

*These priorities are ranked in order of importance by crop.*

### Snap Bean and Lima Bean Research Priorities

High Priority:

- **Weed Control.** Includes new products, rates and cost effectiveness. Particularly for common lambsquarters, velvetleaf and nightshade. Monitoring for herbicide resistant weeds. Evaluation of electric discharge systems to manage weed escapes.
- **Variety Evaluation and Breeding.** Includes heat tolerance, white and gray mold and virus resistance, managing seed size and sieve size, yield factors (planting dates and populations) and harvest ability (plant height, direction of pick, ease of picking). Assess variety differences in response to root rot resistance and nitrogen for snap and lima beans.
- **White and Gray Mold.**
- **Fertility.**
- **Seedcorn Maggot and Early Season Leafhopper Management.** Prepare for potential loss of neonicotinoid insecticides. Evaluation of OMRI listed insecticides for organic production.
- **Snap Bean Nitrogen Management.** Snap bean yield response to late maturity nitrogen management.
- **Pod Quality Control.** Includes pod mold control (timing of application and products), Phytophthora impact, managing seed size/sieve size, identifying and controlling rust/russet (unmarketable pods), and insect damage to pods.
- **European Corn Borer Management.** Evaluate new insecticides, application techniques and application timings that will improve control and reduce cost. Develop a risk assessment model based on factors associated with ECB infestations to be used in making insecticide control decisions for ECB, while keeping in mind a zero to very low tolerance.
- **Contaminants.** Including animals like slugs, frogs, snakes, stones as related to reduced tillage practices, and plant debris, especially wheat and other cover crops with seeds containing gluten.

Medium Priority:

- **Lima Bean Plant Population.** Evaluate ideal row spacing and plant number.