

2014 Cross-Commodity Research Needs

High Priority

Cultural Practices for Yield and Quality Enhancement. Includes investigations of row spacing, populations, soil additives, seed treatments, fertility (timing, application, and materials), rotation, soil compaction management, improved interpretation of Soil Health test for vegetable production, tillage practices, cover crops and stand establishment.

Long-term Sustainable Soil Health Management, Conservation Tillage.

Pesticide Evaluations. Continue research to replace currently registered pesticides considered VOC's (volatile organic compounds) which may be lost in the near future.

Root Rot Management. For peas, beans, and beets. Includes new directions in cover crops or other cultural practices.

Seed Treatments. Includes fungicides for soil-born pathogens, and insecticides for seed maggots and other crop specific insect pests. See individual crops below.

Weed Control. See individual crops below.

Pest Management Strategic Plans. Support for development of plans for processing crops through outside funding.

Economics of Processing Vegetable Production. Generating information on costs of production and risk factors. Information will be used to develop a better crop insurance program. Leveraging outside resources, e.g. Cornell and NYS Farm Viability Institute.

Adoption of New Marketing Opportunities/New Crops/New Products when They Arise.

Spray Technology. Emphasis on the latest technology that will allow for the most effective application of pest management materials.

Non-chemical Pest Management. Support for seeking external funding. This includes practices from biotechnology, organic agriculture, and traditional agriculture.

Better Farm Record Keeping. Collaborate with other states and entities to develop effective ways to keep farm records needed to meet buyer expectations. Develop

outreach programs to help farmers meet the need for electronic record keeping (software).

Medium Priority

Phosphorus Management. Includes support for seeking external funding as well as further study on variety response to added P on high P soils.

Organic Production. Includes the feasibility of transitioning, non-chemical weed and pest control. Support for seeking external funding.