



Long Cane Raspberry A potential new crop?

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Todays talks

- Introduction and background
- Nursery Long cane production
- Fertility needs and challenges
- Trends based on pull out date and cultivars
- Long cane blackberry production:AR updates



What is a long cane?

- Long canes are:
 - year old,
 - ready to fruit
 raspberry or
 blackberry canes,
 - that are grown in pots,
 - and will produce a crop in the first season



Photo: Lisa Rayburn



Why?

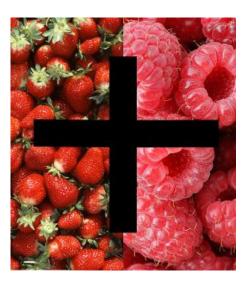
- Produce where it is not done at this time
- Produce in off season
- High value crop
- · Can be done





Why?

- Produce raspberry fruit at the same time as strawberries in SE regions of NC and beyond?
- Increase fruit offerings in early spring
- Produce all 4 berries on one farm!









Long cane production

- Plants are produced in cooler climate for optimal growth (flowers and canes)
- Plants are cooled to fulfill chilling requirements
- Plants are placed in high tunnels to promote early bud break
- Fruit is harvested





Top photos: TriHistl



A little background info... "New Crops" Grown in Soilless Systems

- Caneberries are among several other traditionally field-grown crops to move toward soilless cultivation.
- Existing production knowledge from outdoor (woody) ornamental nursery industry can be very important.
- Substrate Selection based on:
 - Crop Type
 - Crop Longevity
 - Container type, size, and volume
 - Irrigation delivery method(s)
- Increasing advantage to regionally sourced substrate products.



Slide: Brian Jackson



Soft Fruit in Soilless Systems

- ☐ Blueberries, Blackberries and Raspberries
 - ☐ Optimal substrates have not been fully identified







Slide: Brian Jackson



Types of Substrates - Organic

- Peat Moss
- Coco Coir
- Bark
- Wood Fiber
- Rice Hulls
- Compost















Future of Long cane production?

- Feasible for your farm? First we need to know:
 - Planting (pull out) date?
 - Floral bud development in nursery
 - Management of high tunnel
 - Cultivar performance
 - Substrate
 - Fertility
 - Economics
 - Markets
 - Niche markets, bring customers in early



NC Long Cane Team

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