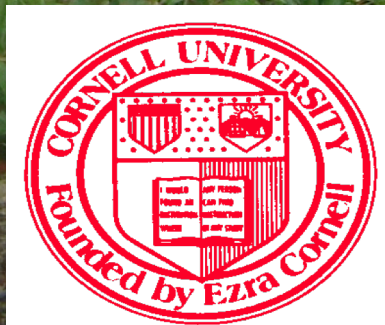


# Use of Plant Growth Regulators to Control Growth and Bitter Pit

Terence Robinson and Poliana Francescato  
Dept. of Horticulture  
Cornell University  
Geneva, NY 14456





# Use of Prohexadione Ca to control Vegetative Growth

- In high-density orchards as the trees age the growth in the top is often more than desirable causing shading to the lower part of the tree.
  - Low rate applications of Prohexadione Ca applied 3 times to the upper part of the tree help keep the top controlled.
  - Each application should be 6oz/100 gal.
  - Add a water conditioner (Choice o Quest)
  - The first application should be made when the first king bloom petals fall
  - The second application should be made 3 weeks after the first application
  - The third application should be made 3 weeks after the second application
  - Apply only to the upper part of the tree
- Semi-dwarf trees need higher rates to control growth in the top of the trees.

# The Use of Prohexadione Ca to Control Bitter Pit

---

- Dan Donahue has reported that Apogee applied at Pink reduces bitter pit of Honeycrisp
- The rate is 6 oz/100 of Apogee

# The Use of ABA to Control Bitter Pit

---

- Poliana Francescatto has shown that multiple applications of ABA applied weekly reduces bitter pit of Honeycrisp
- The rate is 100-500ppm of Protone. (This is not yet labeled)





Questions?