Updated Resources for Tree Fruit IPM - A “Real-Time” Apple IPM Website for New York

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“Real-Time” Apple IPM Website

• Developed to improve delivery of combined information resources to aid growers in timing and selection of pest control methods (including “reduced-risk” products).

• Crop and pest developmental stages are calculated from Degree Day accumulations at NYS IPM and National Weather Service stations throughout the state.
  - Apple maggot (Rhagoletis pomonella)
  - Codling moth (Cydia pomonella)
  - Obliquebanded leafroller (Choristoneura rosaceana)
  - Oriental fruit moth (Grapholitha molesta)
  - Plum curculio (Conotrachelus nenuphar)
  - Spotted tentiform leafminer (Phyllonorycter blancardella)

• Degree day models (supported by historical records) are used to estimate:
  - Tree Phenological Stage
  - Pest Status
  - Pest Management Info

• When pesticide sprays are needed, a pesticide selection tool helps users pick appropriate material.

Incorporated Into NYS IPM NEWA Website
newa.cornell.edu

NEWA Apple Insect Models

Plum Curculio Results for Geneva

You are approximately 73 degree days away from peak adult activity.

Phenological stage: Adult emergence

Pesticides for Plum Curculio

Every effort has been made to provide correct, complete, and up-to-date pest information. Guidelines for multiple pests may return a result with one product, or none. If this occurs, select your year's selection and search again if that still returns no results.
### Types of Pest Status Messages Provided by Website

**Info based on historical DD accumulations (All species)**
- **Period of no activity**, e.g., at beginning or end of season
  - AM, CM, OFM, OBLR, STLM

**Info based on historical DD records or user-entered biofix**
- **Start/peak/progress of oviposition or egg hatch**
  - CM, OBLR, OFM, STLM
- **Start, Peak or End of (n)th flight**
  - AM, CM, OBLR, OFM, STLM
- **1st occurrence of adult or larval feeding, foliar or fruit damage, mines**
  - OBLR, STLM, CM

**In field validation studies:**
- easily monitored
- not so easily monitored; need dedicated field studies