



## Apple IPM Intensive Workshop – A Certificate Program

Empire Producer's Expo, OnCenter Syracuse, NY, Room 7/8  
January 15 and 16, 2019

**Note: You must attend all 4 sessions in order to receive a certificate. However, sessions for DEC credits are separate.**

### Agenda – Day 1

#### Wednesday, January 15 – EXPO SESSIONS 3 & 4

##### **2:00-3:15 – Apple IPM for a healthy crop, *moderator Michael Basedow***

5 min – Introduction to the Apple IPM Intensive Workshop, Michael Basedow

10 min – What is Integrated Pest Management (IPM)? Juliet Carroll

10 min – Rate your current IPM tactics, Janet van Zoeren

50 min – What are the major pests targeted by apple IPM?

Insects & Mites, Art Agnello

Plant Diseases, Kerik Cox

Weeds and Wildlife, Juliet Carroll

##### **3:15-3:45 Break – Visit Trade Show**

##### **3:45-5:00 – Apple insect targets & IPM tactics, *moderator Janet van Zoeren***

5 min – Introduction to the session, Janet van Zoeren

35 min – IPM for plum curculio, oriental fruit moth and codling moth, Art Agnello

Degree days and pest events

Using traps, insect models, and mating disruption

Keeping good records

Rate your learning

35 min – IPM for obliquebanded leafroller, mites and apple maggot, Art Agnello

Degree days and pest events

Using traps, insect models, and mating disruption

Keeping good records

Rate your learning

## Agenda – Day 2

### Thursday, January 16 – EXPO SESSIONS 1 & 2

#### 9:00-10:15 – Apple diseases & IPM defenses, *moderator Juliet Carroll*

5 min – Introduction to the session, Juliet Carroll

35 min – IPM for apple scab and fire blight, Kerik Cox

Sanitation, cultural practices, and resistant varieties

Plant disease forecasting models and keeping good records

Best Management Practices (BMPs) against fungicide and antibiotic resistance

Rate your learning

35 min – IPM for powdery mildew and summer diseases, Kerik Cox

Sanitation, cultural practices and resistant varieties

Plant disease forecasting models and keeping good records

BMPs against fungicide and antibiotic resistance

Rate your learning

#### 10:15-10:45 Break – Visit Trade Show

#### 10:45-12:00 – Wildlife, weeds & the IPM wrap-up, *moderator Michael Basedow*

10 min – Management programs for arthropods, Art Agnello

10 min – Management programs for diseases, Kerik Cox

15 min – IPM for wildlife damage & rate your learning, Juliet Carroll

20 min – IPM for weeds & rate your learning, Lynn Sosnoskie

10 min – Putting it all together – maximizing your time efficiency, Art Agnello

10 min – Rate your future IPM tactics, Janet van Zoeren

#### ***Receive your workshop certificate***

#### **Presenters**

Art Agnello, Professor, Tree Fruit Entomology, Entomology, Cornell AgriTech

Michael Basedow, Extension Associate, Tree Fruit Specialist, Eastern NY Commercial Horticulture Program, Cornell Cooperative Extension

Juliet Carroll, Senior Extension Associate, Fruit IPM Coordinator, NYS IPM Program, Cornell Cooperative Extension

Kerik Cox, Associate Professor, Tree Fruit and Berry Pathology, Plant Pathology & Plant-Microbe Biology, Cornell AgriTech

Lynn Sosnoskie, Assistant Professor, Weed Ecology and Management for Specialty Crops, Horticulture, Cornell AgriTech

Janet van Zoeren, Extension Associate, Tree Fruit & Berry IPM Specialist, Lake Ontario Fruit Program, Cornell Cooperative Extension