

## IPM techniques check list for nursery production

Acknowledgements: This check list was developed by the MSU Ornamentals AoE Team and MSU IPM Program. Follow all appropriate use instructions, labels, and MSU recommendation guides. More information can be found at:

<http://www.cips.msu.edu/landscape/>

### Monitoring, forecasting

Method	Crops
Monitor on recommended schedule: detect pest presence and estimate density, location, and determine if plant is at susceptible stage, use economic thresholds	As available and appropriate
Use on-farm weather monitoring devices or weather-aided pest management service	As available and appropriate
Use pest modeling computer software or weather-aided pest management service	As available and appropriate

### Reduced-risk pesticides

Method	Crops
Incorporate EPA approved reduced-risk pesticides that are registered for use in Michigan and recommended for the crop per MSU recommendations. Follow all label instructions and environmental cautions.	Per label MSU recommendations

### Reduced-risk technology

Method	Crops
Use robotics and other automated equipment for weed and pest control	As available and appropriate
Use spray monitoring equipment	All
Use water flow meters at spray loading stations	All
Use flamers for weed control	As available and appropriate

### Biologically based control

Method	Crops
Release of biological control organisms, nematodes	Container production for black vine weevil and grub control

### Cultural control

Method	Crops
Resistant cultivars	As available and appropriate
Use of mulches in containers	Container production
Removal of wild host plants (pest reservoir) adjacent to plantings	All
Late season post leaf drop mowing (reduce overwintering disease inoculum)	Shade tree production