**TART CHERRY PEST GUIDE:** based on data from the NWMHRC weather station in Traverse City, Michigan

**PURPOSE:** This table is meant to serve as a season-long guide for when various life stages of key pests are expected and the best time to target management strategies based on an AVERAGE year. The dates, growth stages, and pest development presented in this guide represent averages for the time period of 1990-2001 for the Northwest MI Horticultural Research Station maintained by MSU Enviroweather. Actual situations on any given farm may differ for a particular year.

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### General Monitoring
- **Pre Harvest**
- **Post Harvest**
- **Hatch**
- **Peak**
- **End**
- **Monitor for Larvae**
- **Monitor Populations**
- **Apply Oil to control Eggs**
- **Monitor Weather and Wetting Events**
- **Harvest**

### Specific Pest Monitoring
- **European red mite**
  - Adult: DD Base 4 F
  - Hatch: DD Base 50 F
  - 1st Peak: April 19
- **Two spotted spider mite**
  - Adult: April 12
  - Hatch: April 23
- **Plum rust (nursery) mite**
  - Adult: May 29
  - Hatch: June 15
- **Green fruitworm**
  - Adult: May 29
  - Larva: June 17
  - Tissue: 1st Peak: August 22
- **Cherry leafminer**
  - Adult: May 29
  - Hatch: June 17
  - Tissue: 1st Peak: July 17
- **Plum curculio**
  - Adult: May 29
  - 1st Peak: June 15
  - End: August 17
- **Rose chafer**
  - Adult: June 5
  - 1st Peak: June 15
  - End: August 17
- **American plum borer**
  - Adult: June 5
  - Hatch: June 15
  - 1st Peak: July 17
  - Hibernacula: July 17
- **Greater peach tree borer**
  - Adult: July 15
  - Hatch: July 28
  - 1st Peak: August 22
  - 1st End: September 12
- **Spotted wing drosophila**
  - Adult: July 15
  - 1st: July 17
  - When SWD flies are being caught in traps locally AND fruit is at a susceptible stage (i.e. starting to color through harvest)

### Spring Larvae
- **Black cherry fruit fly**
  - Adult: April 19
  - 1st Peak: May 15
  - End: August 22
- **Cherry fruit fly**
  - Adult: April 19
  - 1st Peak: May 15
  - End: August 22
- **Two spotted spider mite**
  - Adult: April 12
  - Hatch: April 23
- **European red mite**
  - Adult: DD Base 4 F
  - Hatch: DD Base 50 F
  - 1st Peak: April 19
- **Two spotted spider mite**
  - Adult: April 12
  - Hatch: April 23
- **Plum rust (nursery) mite**
  - Adult: May 29
  - Hatch: June 15
- **Green fruitworm**
  - Adult: May 29
  - Larva: June 17
  - Tissue: 1st Peak: August 22
- **Cherry leafminer**
  - Adult: May 29
  - Hatch: June 17
  - Tissue: 1st Peak: July 17
- **Plum curculio**
  - Adult: May 29
  - 1st Peak: June 15
  - End: August 17
- **Rose chafer**
  - Adult: June 5
  - 1st Peak: June 15
  - End: August 17
- **American plum borer**
  - Adult: June 5
  - Hatch: June 15
  - 1st Peak: July 17
  - Hibernacula: July 17
- **Greater peach tree borer**
  - Adult: July 15
  - Hatch: July 28
  - 1st Peak: August 22
  - 1st End: September 12
- **Spotted wing drosophila**
  - Adult: July 15
  - 1st: July 17
  - When SWD flies are being caught in traps locally AND fruit is at a susceptible stage (i.e. starting to color through harvest)

### Summer Larvae
- **Black cherry fruit fly**
  - Adult: April 19
  - 1st Peak: May 15
  - End: August 22
- **Cherry fruit fly**
  - Adult: April 19
  - 1st Peak: May 15
  - End: August 22
- **Two spotted spider mite**
  - Adult: April 12
  - Hatch: April 23
- **European red mite**
  - Adult: DD Base 4 F
  - Hatch: DD Base 50 F
  - 1st Peak: April 19
- **Two spotted spider mite**
  - Adult: April 12
  - Hatch: April 23
- **Plum rust (nursery) mite**
  - Adult: May 29
  - Hatch: June 15
- **Green fruitworm**
  - Adult: May 29
  - Larva: June 17
  - Tissue: 1st Peak: August 22
- **Cherry leafminer**
  - Adult: May 29
  - Hatch: June 17
  - Tissue: 1st Peak: July 17
- **Plum curculio**
  - Adult: May 29
  - 1st Peak: June 15
  - End: August 17
- **Rose chafer**
  - Adult: June 5
  - 1st Peak: June 15
  - End: August 17
- **American plum borer**
  - Adult: June 5
  - Hatch: June 15
  - 1st Peak: July 17
  - Hibernacula: July 17
- **Greater peach tree borer**
  - Adult: July 15
  - Hatch: July 28
  - 1st Peak: August 22
  - 1st End: September 12
- **Spotted wing drosophila**
  - Adult: July 15
  - 1st: July 17
  - When SWD flies are being caught in traps locally AND fruit is at a susceptible stage (i.e. starting to color through harvest)

### Autumn Larvae
- **Black cherry fruit fly**
  - Adult: April 19
  - 1st Peak: May 15
  - End: August 22
- **Cherry fruit fly**
  - Adult: April 19
  - 1st Peak: May 15
  - End: August 22
- **Two spotted spider mite**
  - Adult: April 12
  - Hatch: April 23
- **European red mite**
  - Adult: DD Base 4 F
  - Hatch: DD Base 50 F
  - 1st Peak: April 19
- **Two spotted spider mite**
  - Adult: April 12
  - Hatch: April 23
- **Plum rust (nursery) mite**
  - Adult: May 29
  - Hatch: June 15
- **Green fruitworm**
  - Adult: May 29
  - Larva: June 17
  - Tissue: 1st Peak: August 22
- **Cherry leafminer**
  - Adult: May 29
  - Hatch: June 17
  - Tissue: 1st Peak: July 17
- **Plum curculio**
  - Adult: May 29
  - 1st Peak: June 15
  - End: August 17
- **Rose chafer**
  - Adult: June 5
  - 1st Peak: June 15
  - End: August 17
- **American plum borer**
  - Adult: June 5
  - Hatch: June 15
  - 1st Peak: July 17
  - Hibernacula: July 17
- **Greater peach tree borer**
  - Adult: July 15
  - Hatch: July 28
  - 1st Peak: August 22
  - 1st End: September 12
- **Spotted wing drosophila**
  - Adult: July 15
  - 1st: July 17
  - When SWD flies are being caught in traps locally AND fruit is at a susceptible stage (i.e. starting to color through harvest)