

Putting It All Together

How to Optimize Your Time Management

Advisable to have some kind of flow chart prepared ahead of time for the different tasks throughout the season

- when to deploy traps for different species?
- what are the optimal times for taking samples?
- when do treatment decisions need to be made?
- when do mating disruption efforts need to be in place?
- when to be on the lookout for the breakout (secondary) pest species:
 - San Jose scale (NEWA Apple Pest Model)
 - green aphids, woolly apple aphids, leafhoppers, Japanese beetle, BMSB, etc. (TF Guidelines "Additional Summer Sprays")

Necessary to be familiar with the relative timing of pest activity

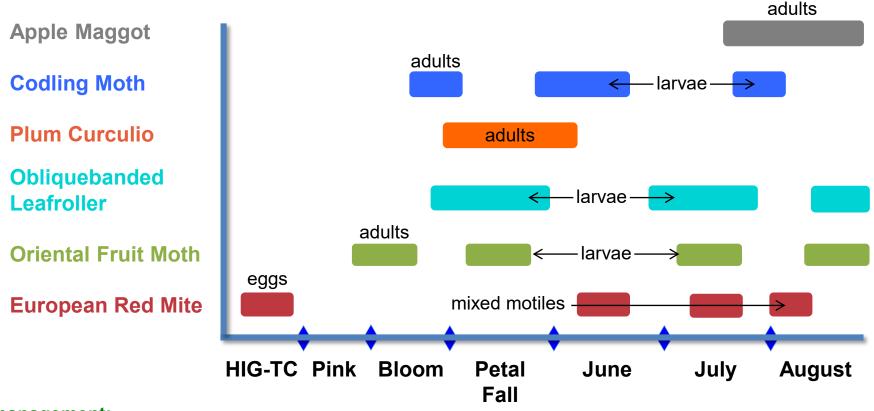
How does insect control articulate with disease control needs?





Arthropod Management Programs

Key Arthropod Pests and Potential Control/Decision Periods



Typical windows for management:

- European Red Mite: delayed dormant (eggs); mixed motile stages (summer months)
- Oriental Fruit Moth: late pink to bloom (adult monitoring); petal fall, July & August (larvae); 3rd brood not always a problem
- Obliquebanded Leafroller: late bloom to petal fall (OW larvae); late June thru July (1st summer larvae); 2nd summer larvae not always a problem
- Plum Curculio: late bloom through 4-6 weeks past petal fall (adults)
- Codling Moth: late bloom to petal fall (adult monitoring); June and late July to mid-August (larvae)
- Apple Maggot: mid-July through August (adult monitoring)



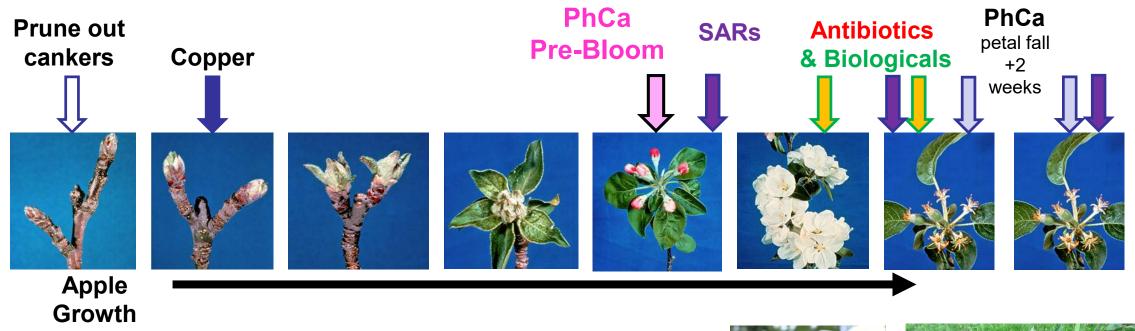
Trap Deployment/Sampling Timings

Pest	Trap set out date / Sample timing	Lure change	Trap take down date	Trap type
Oriental Fruit Moth	15 April (HVal: 1 April)	1 July	15 September	Large plastic delta
Codling Moth	1 May	1 July	15 September	Large plastic delta
Obliquebanded Leafroller	1 June	N/A	15 September	Large plastic delta OR Pherocon IIB
European Red Mite	June 1-30; July 1-30; Aug 1-15	_		_
San Jose Scale	25 May	N/A	1 September	Tent
Apple Maggot	20 June	N/A	1 September	Volatile-baited sphere





Fire blight Management Overview







Apple Scab & powdery mildew, & other fungal diseases

