

- ❖ Anticipate the emergence of a target pest using a growing degree-day model
- ❖ Place traps in the field 1-2 weeks prior to earliest known emergence date
- ❖ The number of traps per block depends on the species
- ❖ General rule of thumb is 2 pheromone traps per block, with minimum of 1 trap per 10 acres
- ❖ Place at least one trap on the side of the orchard facing abandoned trees and hedgerows



Pherocon Delta Trap



Red Sphere



Pheromone Lure

- ❖ Hang traps on the south side of trees at eye level
- ❖ Mark trap locations with flagging tape or bands around the base of the tree
- ❖ Pheromone capsules should be changed every month
- ❖ Pheromone traps for different species should be placed 50 feet apart
- ❖ Make sure visual traps are unobstructed by foliage
- ❖ Sticky traps should be changed whenever debris reduces the stickiness

Common Orchard Pests & Order of Emergence



Spotted Tentiform Leafminer
early-April



Redbanded Leafroller
early-April



Codling Moth
mid-May



Obliquebanded Leafroller
late May



Apple Maggot
early July

	STLM (Spotted Tentiform Leaf Minor)	RBLR (Redbanded leaf roller)	CM (Codling Moth)	OBLR (Oblique banded leaf roller)	AM (Apple Maggot)
<i>Trap Type</i>	Pherocon Delta Trap with STLM lure	Pherocon Delta Trap with RBLR lure	Pherocon delta trap with CM lure	Pherocon delta trap with OBLR lure	Red ball & yellow sticky boards – Baited or unbaited (visual traps)
<i>Set Trap by</i>	50 GDD (base 50 F) or April 1	50 GDD (base 50 F) or April 1	150 GDD (base 50 F) or about May 5	Mid- May	July 1 or 800 GDD (emergence at 900)
<i>Where</i>	Eye Level, South side of tree	Eye Level, South side of tree	Eye level, South side of tree, center of block; Do not hang traps in outside rows	Eye Level, South side of tree	Eye level on border rows. Place traps in earliest maturing varieties or blocks closest to abandoned orchards
<i>Replace Lure</i>	Every 4 weeks	Every 4 weeks	Every 4 weeks	Every 6 weeks	As needed
<i>Check traps</i>	Once a week	Once a week	Twice a week	Once a week	Twice a week