

CODLING MOTH SPRAY TIMING & LIFE CYCLE – 2015

TRAP THRESHOLDS

A cover spray is recommended when:

all codling moth traps in an orchard average 2 moths/trap/week for 2 consecutive weeks;

for more valuable fruit varieties, consider using 1 moth/trap/week for 2 consecutive weeks.

Check the SIR web site: www.oksir.org for your trap captures and the Degree Day (DD) total for your area.

TIMING & SELECTION OF COVER SPRAYS

🍏 The following table lists the accumulated degree day totals at which codling moth development stages will appear in your orchard.

🍏 After eggs begin to hatch at * (220 DD) - watch your trap captures.

🍏 When trap threshold is reached - apply a cover spray only if weather is favourable.

🍏 A properly calibrated sprayer and well-pruned trees improve spray coverage.

🍏 Most common reasons for continued codling moth pressure are: Poor spray timing and/or coverage of trees in yards, on fence lines, slopes, edges or where other obstacles prevent proper spray application.

Over the past 2 years, the critical control period to be covered for codling moth was late June to end of July.

Well-timed sprays keep *your* money in *your* pocket - Questions on timing? *Give us a call.*

DEGREE DAYS	CODLING MOTH STAGE	RECOMMENDED PRODUCTS & PRACTICES
100	Start of 1 st brood moth emergence	None
150	Beginning of egg laying	Apply an ovicide (Assail, Calypso, Intrepid, or Rimon) only if high damage the previous year and weather favours codling moth activity.
* 220	Start of 1st brood egg hatch (larvae appear)	After eggs begin to hatch apply any of these products when trap thresholds are reached: Altacor, Assail, Calypso, Confirm, Cyd-X*, Delegate, Entrust*, Exirel, Intrepid, Rimon, TwinGuard, Virosoft* (*certified for organic production)
500	End of emergence of 1 st brood moths	NOTE: To kill codling moth larvae, the recommended products must be eaten. Remove and destroy infested fruit throughout the season.
575	Start of 2 nd brood moth emergence	
650	End of 1 st brood egg hatch	Apply any of these products when 2 nd brood thresholds are reached after eggs begin to hatch: Altacor, Assail, Calypso, Confirm, Cyd-X*, Delegate, Entrust*, Exirel, Intrepid, Rimon, TwinGuard, Virosoft* (*certified for organic production)
700	Start of 2 nd brood egg hatch (larvae appear)	
1140	End of emergence of 2 nd brood moths	
1160	Start of 3 rd brood moth emergence	Remove and destroy infested fruit throughout the season.
1275	End of 2 nd brood egg hatch	
1300	Start of 3 rd brood egg hatch	See above recommendations; read label for pre-harvest interval limits