

# CODLING MOTH SPRAY SELECTION & TIMING– 2020

## COVER SPRAYS

A cover spray is recommended if:

**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.  
Do not rely on traps alone. It is important to scout for codling moth damage, especially near orchard edges and wood piles. Call your area supervisor if you find unexpected damage.

**Check the SIR web site: [www.oksir.org](http://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 100 DD, watch your trap captures but do not spray yet. If a spray threshold is reached apply a cover spray at \*220 DD.
  - 🍏 After \*220 DD apply a cover spray if/when trap threshold is reached - only spray 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. 1-800-363-6684***

DEGREE DAYS	CODLING MOTH STAGE	RECOMMENDED PRODUCTS & PRACTICES
100	Flight of overwintering moths starts (1 <sup>st</sup> generation begins)	Follow trap counts with the online trap-viewer (oksir.org) and follow codling moth model predictions on DAS (ca.decisionaid.systems).
150	Egg laying of 1 <sup>st</sup> generation starts	Apply an ovicide (Assail, Calypso, Intrepid, or Rimon) only if high damage the previous year and weather looks hot and dry.
<b>* 220</b>	<b>Eggs from 1<sup>st</sup> generation start to hatch</b> (larvae appear, risk of fruit damage begins)	<b>After eggs begin to hatch apply any of these products when trap threshold is reached or if you had significant damage last year:</b>  <b>Altacor, Assail, Calypso, Confirm, Cyd-X*, Delegate, Entrust*, Exirel, Harvanta Intrepid, Rimon, TwinGuard, Virosoft* (*certified for organic production)</b>
500	Emergence of overwinter moths ends (flight of 1 <sup>st</sup> generation should decline)	<b>NOTE:</b> To kill codling moth larvae, the recommended products must be eaten.  Remove and destroy infested fruit throughout the season.
575	Flight of 2 <sup>nd</sup> generation moths starts (larvae from 1 <sup>st</sup> generation are now adults)	
650	No more new eggs from 1 <sup>st</sup> generation will hatch	
700	Egg hatch of 2 <sup>nd</sup> generation starts (1 <sup>st</sup> generation damage, if present, will be apparent)	Apply any of these products when 2 <sup>nd</sup> brood thresholds are reached after eggs begin to hatch: Thorough coverage is essential.
1140	End of emergence of 2 <sup>nd</sup> generation adult moths (flight should decline)	Altacor, Assail, Calypso, Confirm, Cyd-X*, Delegate, Entrust*, Exirel, Harvanta, Intrepid, Rimon, TwinGuard, Virosoft* (*certified for organic production)
1160	3 <sup>rd</sup> generation moth emergence starts	
1275	No more new eggs from 2 <sup>nd</sup> generation will hatch	Remove and destroy infested fruit throughout the season.
1300	Eggs from 3 <sup>rd</sup> generation start to hatch	See above recommendations; read label for pre-harvest interval limits