

# THE BENCHMARK FOR CODLING MOTH CONTROL

**ALTACOR® X-FORCE**  
INSECTICIDE

- + *Very rapid feeding cessation, strong residual activity and rainfastness provides nearly immediate and long-lasting crop protection under a range of growing conditions.*
- + *Highly efficacious with translaminar activity and local systemicity.*
- + *4 way controls (ovicidal, ovi-larvicidal, larvicidal and mating disruption)*
- + *Compatible with IPM systems*

For over 10 years Altacor® Hort Insecticide from FMC has been the standard for control of Codling moth and other Lepidopteran pests in Australian orchards. The evolution is Altacor® X-Force, now twice as strong.

While more recent product offerings have entered the market, it is good to know that Altacor® X-Force still offers Australian fruit growers the flexibility of controlling Codling moth at multiple life stages.

This multi-life stage activity is part of the reason why Altacor® X-Force is a truly robust product for Codling moth control, which includes:

- Ovicidal activity
- Ovi-larvicidal activity
- Larvicidal activity on all larval stages
- Reduction in adult libido and fecundity

Altacor® X-Force continues to be the benchmark for control of larvae in Australian orchards due to its:

- 14 to 21 day spray interval with up to 3 applications per season
- Excellent margin of safety to foraging bees (good agricultural practice recommends not to spray while bees are foraging)
- MRL's are established in major export markets
- Ability to be applied, regardless of slope in orchards
- Flexibility of application without consideration of subsequent irrigation scheduling or rainfall, with only the 2-hour rain fast period to observe.

While Altacor® X-Force is an unscheduled poison which requires minimal PPE, workers should always be mindful of how they mix and apply products in orchards. Altacor® X-Force has no re-entry period, providing greater flexibility for workers to return to orchards once the spray has dried while Altacor® X-Force continues to provide excellent insect control.

When using Altacor® X-Force, it is important to target the first Codling moth generation before 100-degree days after biofix to ensure the best use of Altacor® X-Force ovicidal activity on Codling moth.



Figure 1: Untreated apple infected with Codling moth



Figure 2: Apples treated with Altacor® X-Force insecticide Source: Tomas Marquez, FMC

**FMC**

An Agricultural  
Sciences Company

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# ALTACOR® X-FORCE

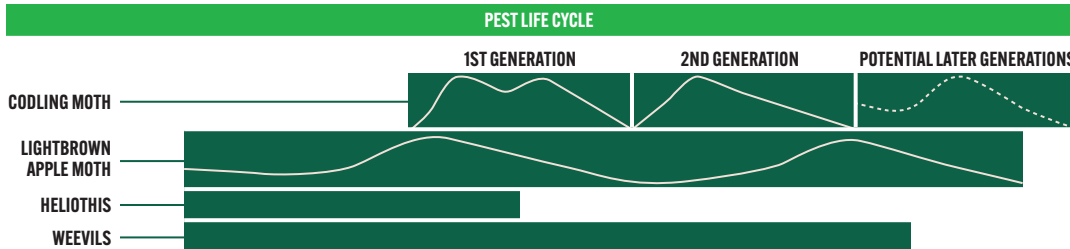
INSECTICIDE

## POPULATION CONTROL OF CODLING MOTH

Altacor® X-Force has activity on three life stages.

ADULT (SUB-LETHAL EFFECTS)	Reduction in mating (libido)	} ALL CONTRIBUTES TO TOTAL POPULATION CONTROL
	Reduction in egg lay (fecundity)	
EGG	Reduction in hatching (fertility)	
LARVAE	Ovi-larvicidal	
	Larvicidal	

ALTACOR® X-FORCE USE PATTERN	Bloom	Petal Fall	1st Cover	2-7 Cover	Harvest



RECOMMENDED USE PATTERN	
ALTACOR® X-FORCE GROUP 28	Codling moth, Lightbrown apple moth, Oriental fruit moth and Heliothis
AVATAR® EVO GROUP 22A	Lightbrown apple moth, Heliothis and Weevils
	Codling moth, Lightbrown apple moth, Heliothis and Weevils
	Apply another mode of action insecticide if required

## REALISE THE DIFFERENCE. SPRAY EARLY.

To produce quality Pome and Stone fruit, it pays to start early with Altacor® X-Force insecticide. By targeting the first generation of Oriental fruit moth and Codling moth, it gets on top of the problem - before it gets on top of you. Altacor® X-Force works to control Codling moth in the egg, as they hatch and any larvae that emerge, while remaining friendly to key beneficials.

**FOR FURTHER INFORMATION PLEASE VISIT [WWW.FMCCROP.COM.AU](http://WWW.FMCCROP.COM.AU) OR CONTACT YOUR LOCAL REPRESENTATIVE**

Always read and follow label directions

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