

MADEX® & NOMATE® – PERFECT PARTNERS FOR CODLING MOTH CONTROL



MADEX® NoMate® SPIRAL

These two new products from Sumitomo are a great team, providing apple and pear growers with the ideal codling moth control programme.

NoMate® CM is the new pheromone mating disruption product and Madex® is the new biological Codling moth insecticide based on the *Cydia Pomonella* Granulosis virus.

Combined they will:

- Deliver effective season long control of Codling moth
- Have no impact on beneficial insects in the orchard
- Have no issues with residues in fruit, withholding periods or re-entry periods
- Save time and labour
 - NoMate CM spirals are quick and easy to apply in the orchard
 - Madex is a low dose liquid formulation that mixes readily in the spray tank

While NoMate CM is the latest pheromone mating disruption product to reach the Australian market, the concept of mating disruption is well established. Growers have adopted mating disruption across all the apple and pear growing regions of Australia where Codling moth is a problem, and understand how best to manage the programme.

The extreme Codling moth pressure seen in some areas of Australia means that additional control methods can be required to keep populations under control. This has generally been with conventional insecticides that may have an impact on the beneficial insect population. With the release of Madex, growers now have an additional control method with zero detrimental effects.

A trial in the 2010 / 2011 season in the Goulburn Valley under exceptionally high Codling moth pressure saw a NoMate CM and Madex programme give over a 60% reduction in stings compared to the untreated control.

NoMate CM is applied before biofix date and releases pheromone throughout the season to confuse the male moths and prevent them from finding females to mate with. A programme of Madex applied every 7 -14 days when young larvae may be present will help keep the population under control.



SUMITOMO CHEMICAL



MADEX® Directions for use

CROP	PEST	RATE
Pome fruit	Codling moth (<i>Cydia pomonella</i>)	7 mL / 100 L (100 mL / ha)
CRITICAL COMMENTS		

Use 100 mL Madex in 1500 - 2000 litres of water per hectare. High volumes will be required in older orchards with large trees to obtain proper coverage of fruit. Add 50 g / 100 L water of sugar as a feeding stimulant. Apply as a dilute spray to the point of runoff. Madex mixes readily with water.

Timing of applications is critical to ensure larvae are exposed to sufficient concentration of the virus. Make the first application from petal fall onwards when newly hatched Codling moth larvae are present in the orchard. This should be based on pheromone trap catches of Codling moths in orchards. Larvae will be present within 4 weeks of moth catches. Alternatively, use the appropriate amount of 'degree days' for your area to determine egg hatch as recommended by your local advisor.

Apply at 7 to 14 day intervals while Codling moth larvae are present. Use the shorter interval during periods of high sunlight intensity (long sunny days). Most areas of Australia will have 3 or more generations per season and so it is important to monitor for each generation. For areas where there is considerable generational overlap, regular applications will be required for maximum effect.

The addition of Nu-Film 17 as a UV protectant at 50 mL / 100 L, may enhance residual activity of Madex.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER, CONTRARY TO THIS LABEL UNLESS AUTHORIZED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD – NOT REQUIRED WHEN USED AS DIRECTED.

NoMate® SPIRAL Directions for use

CROP	PEST	RATE
Apples and Pears	Codling moth (<i>Cydia pomonella</i>)	1000 spirals / ha
CRITICAL COMMENTS		

NoMate CM will not directly control any pest other than Codling moth.

NoMate CM should not be used as the sole treatment against high populations of Codling moth.

Apply before first moth emergence in spring.

NOT TO BE USED FOR ANY OTHER PURPOSE OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORIZED UNDER APPROPRIATE LEGISLATION.

WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED.

MADEX® **NoMate®
SPIRAL**



 **SUMITOMO CHEMICAL**

SUMITOMO CHEMICAL AUSTRALIA PTY LTD

ABN 21 081 096 255 www.sumitomo-chem.com.au

Level 5, 51 Rawson Street, EPPING NSW 2121

TEL: (02) 8752 9000 FAX: (02) 8752 9099

Madex® is a registered trademark of Andermatt BIOCONTROL AG, Switzerland.
NoMate® CM is a registered trademark of Scentry Biologicals Inc, Billings, MT USA.