

READ LABEL AND SAFETY DATA SHEET BEFORE OPENING OR USING

# NoMate<sup>®</sup> SPIRAL CM

## PHEROMONE DISRUPTANT

NOMATE<sup>®</sup> CM SPIRAL IS A PHEROMONE COMMUNICATION DISRUPTANT FOR CONTROL OF THE CODLING MOTH (*Cydia pomonella*).

grochem

ACTIVE INGREDIENT: (E,E)-8,10-Dodecadien-1-yl acetate 9.05%, other ingredients 90.97%. 140mg active ingredient per dispenser.

**WARNING:** May cause an allergic skin reaction.

May cause long lasting harmful effects to aquatic life. NoMate<sup>®</sup> CM Spirals are NOT to be applied onto or into water. Do not contaminate streams, rivers, or water ways with used product or packaging. Avoid release to the environment.

Wear protective gloves, safety glasses and cotton overalls when applying. In case of inadequate ventilation wear respiratory protection.

Read label before use.

Avoid breathing vapours.

### FIRST AID:

For advice, contact the National Poison Centre 0800 POISON (0800 764766) or a doctor immediately. If medical advice is needed: Have product container or label at hand.

IF ON SKIN: Wash with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

Wash contaminated clothing before reuse.

In transport emergency dial 111. Police or Fire Brigade. For specialist advice in an emergency only, call 0800 CHEMCALL (0800 243 6225), 24 Hrs.

**SAFETY DATA SHEET:** A safety data sheet is available from Grochem or [www.grochem.com](http://www.grochem.com).

**DISPOSAL:** Dispose of product by using as directed on this label or at an approved landfill. Dispose of packaging by burning if permitted, otherwise bury at an approved landfill.

**STORAGE:** Keep out of reach of children. Store in unopened original foil envelopes. If NoMate<sup>®</sup> CM is to be stored for longer than 3 months, it should be held under refrigeration at or below 5°C. Reseal any unused spirals in pouches immediately after use and store under refrigeration at or below 5°C.

**SAFETY DIRECTIONS:** Wash hands after use.

**CONDITIONS OF SALE:** Grochem<sup>®</sup>, a brand of ADAMA New Zealand Limited (Grochem) will not accept any responsibility whatsoever and howsoever arising and whether for consequential loss or otherwise in connection with the supply of these goods other than the responsibility for the merchantable quality of the goods and such responsibilities mandatorily imposed by the Statutes applicable to the sale and supply of these goods. To the extent allowed by such Statutes the liability of Grochem is limited to the replacement of the goods or (at the option of Grochem) the refund of the price paid and is conditional upon a claim being made in writing and where possible sufficient part of the goods to enable proper examination being returned to Grochem within thirty days of delivery.

Approved Pursuant to the HSNO Act 1996, No. HSR100628 (Straight Chained Lepidopteran Sex Pheromone Group Standard). See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

NoMate<sup>®</sup> CM is the registered trade mark of Scentry Biologicals Inc., Billings, Montana 59102, USA.



### DIRECTIONS FOR USE:

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

Apply NoMate<sup>®</sup> CM spirals at the start of codling moth flight activity in your region. Prediction degree day models can provide assistance in application timing.

NoMate<sup>®</sup> CM will not directly control any pest other than codling moth.

NoMate<sup>®</sup> CM should not be used as the sole treatment against high populations of codling moth. Apply before first moth emergence in spring.

**METHOD OF APPLICATION:** NoMate<sup>®</sup> CM is applied by hand by wrapping the spirals around the tree stems or branches. Open the bag just prior to application. Place spirals within 1m of the tops of trees and 0.5 to 1 m within the radius of the tree canopy. Apply the NoMate<sup>®</sup> CM spirals evenly throughout the treatment block.

**TIMING OF APPLICATION:** Monitor the orchard regularly. If codling moth populations exceed the recommended threshold as determined by previous seasons' trapping records and consulting your local horticultural advisor, apply an insecticide registered for that purpose.

Treat entire orchard blocks (3 hectare minimum) with NoMate<sup>®</sup> CM and not just sections within large conventionally treated orchards. Conventionally treated orchards frequently serve as sources of mated females.

If a major source of mated female codling moths is present adjacent to the field, migration of these moths may significantly reduce the level of control achieved. Sources are likely to be un-sprayed or badly controlled apple, pear, Nashi, quince, walnut or crab apples within 200 metres. Stone fruit can support low numbers of codling moth and could be a minor source of mated females when planted next to NoMate<sup>®</sup> CM treated apple or pear.

While adjacent conventionally sprayed crops are likely to be sources of mated female moths, it is important to take measures to prevent invasion of the NoMate<sup>®</sup> CM treated crop.

**Either:** Overtreat orchard blocks which might serve as infestation sources within 200 metres with NoMate<sup>®</sup> CM (ie treat a strip about 50 metres wide nearest the NoMate<sup>®</sup> CM and the conventional insecticide programme).

**Or:** Overtreat borders of NoMate<sup>®</sup> CM treated orchards adjacent to potential infestation sources with an insecticide registered for control of codling moth to a depth of about 50 metres.

Where adjacent sources of mated females are unsprayed or badly controlled, both measures will be required.

Remove or disinfest fruit bins which might be a source of moths before codling moth emergence in spring.

Fruit trees which were bulldozed in the previous season and which were hosts to codling moth, can also be sources of infestation. Burn bulldozed trees which might harbour codling moth before the following spring.

Control achieved using NoMate<sup>®</sup> CM may be reduced in orchards situated on windy hill tops, on the high spots in highly undulating terrain and steeply sloping country in orchards where the codling moth populations are moderate to high. Wind can reduce the air concentration of pheromone leading to reduced control where the codling moth populations are moderate to high. Wind breaks and hail netting assist in maintaining high levels of pheromone in the air.

**WITHHOLDING PERIOD:** Not required when used as directed.

**PROTECTION OF LIVESTOCK:** Low hazard to bees. May be applied on plants anytime. NoMate<sup>®</sup> CM Spirals are NOT to be applied onto or into water.

| CROP             | INSECT                                  | RATE            |
|------------------|---|-----------------|
| Apples and pears | Codling moth ( <i>Cydia pomonella</i> ) | 1000 spirals/ha |

NET CONTENTS

**400 SPIRALS**

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