

KEEP OUT OF REACH OF CHILDREN

READ LABEL AND SAFETY DATA SHEET BEFORE OPENING OR USING



# NZLR 3 SPECIES SPIRAL

NoMate® LR Spiral is a pheromone communication disruptant for Three NZ Leafroller (*Epiphyas postvittana*, *Planotortrix octo*, and *Ctenopsuestis obliquana*).

**ACTIVE INGREDIENT:**

A mixture of acetates and alcohols.

80.0 mg active ingredient per dispenser

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 controls.

Crop	Insect	Rate
Pipfruit orchards	Light Brown Apple Moth ( <i>Epiphyas postvittana</i> ), Green Headed Leafroller ( <i>Planotortrix octo</i> ), and Brown Headed Leafroller ( <i>Ctenopsuestis obliquana</i> ).	600-1000 spirals/ha

The logo for grochem features the word "grochem" in a lowercase, green, sans-serif font. The "g" is a darker shade of green than the rest of the letters.

**NET CONTENTS: 400 units**

Distributed by: Grochem, a brand of ADAMA New Zealand Limited  
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Lot No.:

Date of Manuf.:

NoMate® LR is a registered trademark of Scentry Biologicals, Inc., Billings, MT 59102, USA



**Warning.** May cause an allergic skin reaction. If on skin – wash with plenty of soap and water. If skin irritation occurs: get medical advice. Avoid breathing fumes. When applying, wear gloves. Do not eat drink or smoke while using. Wash hands before meals and after work. Wash protective gloves after work. Contaminated clothing should not be allowed out of the workplace.

Product Disposal – Use up product according to label. Used ties may be disposed of in an approved landfill.

Packaging Disposal – burn if permitted and circumstances, especially wind direction allow, otherwise bury in landfill.

#### Storage

Keep out of reach of children. Store in unopened original foil envelopes. If NoMate® NZLR 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.

#### WITHHOLDING PERIOD: NOT REQUIRED WHEN USED AS DIRECTED

**In transport emergency dial 111. Police or Fire Brigade**  
**For specialist advice in an emergency only, call 0800 CHEMCALL (0800 243 6225), 24 Hrs.**  
**If medical advice is needed: Have product container or label at hand.**

#### DIRECTIONS FOR USE

NoMate® NZLR will not directly control any pest other than the insects listed on the label. NoMate® NZLR will aid in the suppression of Three NZ Leafroller (*Epiphyas postvittana*, *Planotortrix octo*, and *Ctenopsuestis obliquana*). Results may vary between season and locations or because of other factors.

NoMate® NZLR should not be used as the sole treatment against high populations of New Zealand leafroller species.

**Timing of Application** - Apply NoMate® NZLR as prescribed by a fruit export protocol, **or** at the start of leafroller flight **or** in Apples immediately following the application of a 'petal fall' insecticide in early November.

**Method of Application** - NoMate® NZLR is applied by hand by wrapping the spirals around the tree stems or branches. Open the bag just prior to application. Spirals should be applied at a rate of **600-1000 per hectare**. Place spirals within 1m of the top of trees and 0.5 to 1 m within the radius of

the tree canopy. Apply the NoMate® LR spirals evenly throughout the treatment block.

**Monitoring** - Monitor the orchard for all three Leafroller species regularly using pheromone traps. If 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.

#### Other important information

Treat entire orchard blocks (3 hectare minimum) with NoMate® NZLR 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 moths are 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 or crab apples within 200 metres.

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® NZLR treated crop.

**Either:** Over treat orchard blocks which might serve as infestation sources within 200 metres with NoMate® NZLR (i.e. treat a strip about 50 metres wide nearest the NoMate® NZLR and the conventional insecticide program).

**Or:** Over treat borders of NoMate® NZLR treated orchards adjacent to potential infestation sources with an insecticide registered for control of Leafroller to a depth of about 50 metres.

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

Control achieved using NoMate® NZLR may be reduced in orchards situated on windy hill tops, on the high spots in highly undulating terrain and steeply sloping country in orchards. Wind can reduce the air concentration of pheromone leading to reduced control. Wind breaks and hail netting assist in maintaining high levels of pheromone in the air.

**Conditions of sale:** Grochem®, 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