

TEPPAN

TECHNOTE



AUSTRALIAN  
THROUGH  
& THROUGH

# A NEW INSECTICIDE FOR USE IN ALMONDS & WALNUTS.



## Protect yield and quality

Nufarm Teppan is a broader spectrum diamide (Group 28) for the ability to control adult and larval stages of Carob moth and Carpophilus beetle in almonds and walnuts, while having the benefit of being soft on most beneficials when used as part of an integrated pest management program.



 Nufarm **TEPPAN® 50SL**

# CRITICAL INFORMATION

Active ingredient	50 g/L Cyclaniliprole
Mode of action	Group 28 insecticide
Registered use for the control of	Carob moth ( <i>Ectomyelois ceratoniae</i> ) Carpophilus beetle ( <i>Carpophilus</i> spp.) Codling moth ( <i>Cydia pomonella</i> ) (walnuts only)
Use rate	80 mL/100 L water
Withholding period	7 days
Formulation	Soluble concentrate (SL)
Product pack size	5 L

## BEST USE ALMONDS

- For best results and coverage of the hull and shell, apply with a non-ionic adjuvant, such as Nufarm Activator at 50 mL/100 L. Apply as a dilute water volume to ensure coverage of the canopy.
- Make no more than 3 applications/crop with a 14 day minimum interval between treatments.
- Orchard hygiene is an integral management practice against insect pests in almonds. While both carob moth and carpophilus beetle are highly mobile, ensuring low numbers of mummy nuts remain on the tree and windfallen nuts are collected is beneficial to keeping populations from building.
- Application timing is difficult, Hull split is not uniform across individual trees, leaving a proportion of the tree at different growth stages. To determine growth stage, pick several representative trees per block, count 100 nuts from all over the tree to determine the majority growth stage.

### Carob moth:

Monitor adults in trap counts to define generations, monitor mummy nuts for larval activity. Ideally timing the early hull split (1 – 5%) ensuring thorough coverage of the hull. Protecting larvae from accessing the kernel.

### Carpophilus beetle:

Monitor adult populations on the tree in mummy nuts and windfallen nuts throughout the season, applications should be ideally timed at 10 - 50% hull split. Soft-shell almond varieties are especially vulnerable and require protection before the shell splits and the kernel becomes exposed. Follow-up applications may be required if adult beetles remain present after the initial treatment.

## BEST USE WALNUTS

- For best results, apply with a non-ionic adjuvant, such as Nufarm Activator at 50 mL/100 L. Nufarm Teppan 50 SL is also compatible with low volume adjuvants such as expand.
- Make no more than 3 applications/crop with a 14 day minimum interval between treatments.
- A season long IPM approach is critical to reducing the population numbers prior to when the nuts are susceptible to damage from larvae. Hygiene, cultural practices, beneficial insects and rotation of chemistry allow for a lower risk of damage.
- Codling moth, carob moth and carpophilus beetle all overlap throughout the growing season, so use Nufarm Teppan 50 SL in a season long approach for lepidoptera pests. Apply an adaptive spray model for adult carpophilus beetle within a season long approach.

### Codling moth & carob moth:

Monitor codling moth generations and cohorts through trap counts and degree days. Target applications at peak egg laying. Design your insecticide program to follow the codling moth generations and carob moth generations.

### Carpophilus beetle:

Monitor carpophilus beetle larvae and adults in windfallen nuts and traps. Monitor adult populations and target once they build to economic thresholds, once the nuts are susceptible to damage.

## COMPATIBILITY

Nufarm Teppan is compatible with Intervene, Custodia, Merivon, Amistar, Luna Sensation and Luna Experience, Ethephon, Nufarm Copper Hydroxide 500, Champ DP, Tri base Blue.

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For more information, contact your local Nufarm Business Development Manager

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