



Excel[®] Organic Oil



Rate:
1% or 1 litre per 100L of water

2% in February only under heavy infestations and with care.

Restrictions:
Do not apply between 14 & 35 days after fruit set.

Application after March is not recommended.

Tips for summer applications in Hayward Kiwifruit

Pre-flowering

Vines

- Apply at least 1 application of Excel Organic Oil at 1%, a 2nd application may be applied.
- Best results are often achieved with two applications about four weeks apart; applications closer than three weeks apart are not recommended.

Shelter

- If monitoring indicates shelter belts are a problem source of Scale then the shelter should be sprayed pre-flowering at 1% or 2% Excel Organic Oil.
- Use 1 or more sprays depending on pest pressure.
- May be applied with other permitted scale insecticides.
- Pruning shelter and using specialty sprayers will assist coverage.

Fruit set to January

- G3 - Please see Zespri recommendations on oil safe timing for post flowering application G3 Kiwifruit.
- Hayward - Fruit set till the start of monitoring 7 weeks later, two sprays to control scale without monitoring can be applied.
- Ensure oil is applied before entering the period of danger for fruit damage.
 - Hayward - Do not apply Excel Organic Oil during the period 14 to 35 days after fruit set.

10th January onwards

- Hayward - Spraying Scale from the 7 weeks after fruit set must be backed by monitoring results.
- Hayward - once past 35-days after fruit-set oils may again be applied. During February - If high levels of Scale are present a 2% Excel Organic Oil rate may be used under good drying conditions. (Please note: the 2% rate does increase the risk of fruit marking, especially under slow drying conditions.)
- Use of oils very late in the growing season (after March in Hayward) may increase the risk of fruit damage.

Before use please ensure you read the Excel Organic Oil label and apply treatments according to the guidelines laid out by Zespri™.

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Application tips

Sprayer

- Ensure the spray tank is clean. Solution will not mix well if tank is not clean.
- If the spray solution does not become milky when combined, do not use.
- Add enough water to tank to ensure agitation is working effectively.
- If adding Bt (*Bacillus thuringiensis*) products, add Bt to the spray tank first.
- Maintain agitation when adding the required amount of water and keep solution agitating continuously throughout spraying.
- Flush spray solution held in delivery hoses back into the spray tank if the spraying operation is interrupted for more than 10 minutes.
- Do not use additional adjuvants.

Application

- **Ensure good coverage, but avoid overlap.**
- Open canopies will improve coverage and drying conditions.
- Spray under good drying conditions. Never apply under slow drying conditions such as high humidity or cool temperatures. Do not apply early morning, late evening or in the hours of darkness.
- Do not apply to vines stressed from drought, frost or roots disease or in wet conditions
- Spray volumes of greater than 2500L/Ha or concentrate spraying are not recommended. Use a conventional air blast sprayer with volumes of between 2000 and 2200 L/Ha at full canopy.
- Ensure sprayer is well calibrated and all nozzles are running free and clear.

Compatibility

- Before mixing always check compatibility of any new pesticides or other product with Excel Organic Oil.
- Copper and Oil – apply oil 3 days prior or 7 days post an copper application.
- Avoid application with or close to Calcium Chloride or Sulphur compound applications.