

**DANGER**  
KEEP OUT OF REACH OF CHILDREN

# EXCEL<sup>®</sup> ORGANIC OIL ORGANIC SPRAYING OIL



## HORTICULTURAL SPRAY OIL

FOR CONTROL OF SCALE ON KIWIFRUIT, ARMOURED SCALE, SIX SPOT AND GREEN HOUSE THRIPS ON AVOCADOS, SCALE, APHIDS AND MITES ON CITRUS, PIP AND STONE FRUITS, POWDERY MILDEW ON GRAPES

*grochem*

Contains: 823.5g/L mineral oil in the form of an emulsifiable concentrate.  
Minimum unsulphonated residue content 97.6%.



NET CONTENTS  
**20L**

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GCE00/0224



# EXCEL ORGANIC OIL

PLEASE READ LABEL COMPLETELY BEFORE USE

May be fatal if swallowed and enters airways. May cause long lasting harmful effects to aquatic life. Avoid contamination of any water supply with product or empty container.

**THIS PRODUCT MUST NOT BE USED FOR ANY PURPOSE OR ANY MANNER CONTRARY TO THIS LABEL. READ CAREFULLY AND FOLLOW ALL INSTRUCTIONS. AVOID RELEASE TO THE ENVIRONMENT.**

**STORAGE:** Store in original container, tightly closed, away from stock feed or foodstuffs. Store in a cool, dry area away from direct heat and sources of ignition. Stored appropriately, this product should show no significant degradation for 2 years from the date of manufacture. Contact your supplier for further information about the use of any product that is older than this.

**DISPOSAL:** Dispose of this product only by using according to the label, or at an approved landfill, or another approved facility. Avoid contamination of any water supply with product or empty container. **Container disposal:** Triple rinse the empty container and add residue to the spray tank. Deliver to an appropriate recycling depot (e.g. Agrecovery), or crush and bury at an approved landfill.

**EQUIPMENT:** Apply using accurately calibrated and maintained equipment in accordance with The New Zealand Standard for the Management of Agrichemicals (NZS8409).

**FIRST AID:** If medical advice is needed, have product container or label at hand. IF SWALLOWED: DO NOT induce vomiting. Immediately call a POISON CENTRE/doctor.

**24-hour Emergency Telephone Number – for advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.**

**For specialist advice in an emergency only, call 0800 CHEMCALL (24hrs) or 0800 243 6225. In a transport emergency dial 111.**

**SAFETY DATA SHEET:** A Safety Data Sheet (SDS) for Excel Organic Oil is available from Grochem on request or [www.grochem.com](http://www.grochem.com)

**SPILLAGE:** Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste at an approved facility.

**CONDITIONS OF SALE:** As no control can be exercised over the manner in which or the conditions under which this product is used, all conditions and warranties expressed or implied, other than those required by statute are excluded. No responsibility will be accepted for any damage or injury whatsoever arising from the storage, handling, application or use of this product.

## DIRECTIONS FOR USE:

**IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.**

**WARNINGS:** Avoid inhalation of the spray mist. Wear protective clothing, rubber gloves and boots, also a face shield when mixing.

### MIXING INSTRUCTIONS:

- Prior to the first use of Excel Organic Oil and any subsequent use gently roll the closed container, to thoroughly mix the product.
- Ensure the sprayer tank is clean. Excel Organic Oil may not mix well if the tank is not clean. If the spray solution does not become milky, do not use.
- If applying with a *Bacillus thuringiensis* (Bt) product, add the Bt to the spray tank first.
- Maintain agitation when mixing Excel Organic Oil in the spray tank and during the entire spraying operation.
- Flush spray solution held in delivery hoses back into the spray tank if the spraying operation is interrupted for more than 10 minutes.

• When using knapsack and other handheld or back-pack sprayers, thorough agitation is also required frequently whilst spraying.

• Oil products are not compatible with a number of other materials including Captain, Delan, Carbaryl, Sulphur, a number of spreader stickers. Ensure compatibility of materials is checked with suppliers before adding to a tank mix. No not apply Sulphur containing sprays within 21 days of an oil application.

**RESTRAINTS:** DO NOT spray under conditions that give slow drying i.e. high humidity, cool temperatures. DO NOT spray early morning, late evening, or during the hours of darkness. These conditions may give rise to phytotoxic damage to the fruit. DO NOT spray plants under stress from wet or dry conditions, or disease. DO NOT use additional spray adjuvants with Excel Organic Oil.

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### APPLICATION RATES:

CROP	RATE & TIMING	CRITICAL COMMENTS
<b>Apples, Pears &amp; Stonefruit:</b> San Jose Scale, European Red Mites and Aphids	Green tip to tight cluster: 1.5-2L/100L of water. Summer Application: 1L/100L of water.	May be applied with oil compatible insecticides to control high pest numbers. Do not apply to russet sensitive varieties such as Cox's Orange Pippin or Gala later than early green tip. Ensure crop is not under stress from drought or frost before application. Care should be taken to monitor advancement of green tip especially on early varieties. Complete coverage is essential.
<b>Avocado:</b> Armoured Scale, Greenhouse Thrips	1L/100L of water.	Determine pest pressure by monitoring or follow the high-pressure recommendations as a precaution. From late January to February apply two applications one month apart. If pest pressure is high, apply three sprays from Jan to April. May be applied preflowering; one or two applications in September to October. Oil should not be applied to plants under stress.
Six-Spotted Mite	0.5-1L / 100L of water.	To suppress six spotted mite, apply two sprays two weeks apart when six spotted mite is first noticed.
<b>Citrus:</b> Scale insects, Aphids, Citrus Red Mite and Thrips	1L/100L of water. Apply during spring & summer.	Do not apply to trees in hot dry weather when trees are suffering moisture stress. Do not apply in temperatures over 32°C. May be applied with oil compatible insecticides to control high pest numbers or mealy bug. Complete coverage is essential.
<b>Grapes:</b> As a spray adjuvant for insecticides	1L/100L of water, mixed with a suitable insecticide.	Excel Organic Oil will assist the spreading, adhesion and penetration into the bark crevices of the insecticide.
Powdery Mildew	2L/100L of water.	Apply as a high volume spray to run off. Repeat on a 7-10 day schedule as required to maintain adequate control. Allow a gap of 10-14 days pre or post a sulphur application. This product is short lived and a DMI may be required to maintain powdery mildew control over an extended break. May reduce the visible bloom on red varieties when used close to harvest. Use of this product may delay harvest by up to one week.
<b>Kiwifruit:</b> Greedy, Latania and Oleander scales.	<b>Dormant to pre-flowering</b> 1L/100L of water	May be applied with oil compatible pesticide to control high pest numbers. Ensure crop is not under stress from drought or frost before application. Complete coverage is essential.
	<b>Post flowering</b> Spraying oils have the potential to cause phytotoxic damage to kiwifruit. To minimise the risk of damage it is recommended: <b>HAYWARD</b> – Use 1 litre of Excel® Oil – Organic Spraying Oil per 100 litres of water. DO NOT apply during the period from 14 days after fruit set to 35 days after fruit set. The application of oil sprays after March increases the risk of fruit drop, and care is essential. In orchard blocks with very heavy infestations of scale insects use 2 litres of Excel® Oil – Organic Spraying Oil per 100 litres of water only during the month of February. (Note: the higher 2 litre rate may give rise to some fruit marking, especially under slow drying conditions). <b>GOLD3</b> – may be applied at 1L per 100L water between 14-21 days immediately after fruit set and then again in the second or third week of February. Application outside of these times or at higher rate may result in unacceptable skin marking or fruit softening and/or premature fruit drop. <b>Notes: All applications of spraying oils should be in response to a demonstrated need and be in accordance with the Crop Protection Programmes for export kiwifruit.</b> Use conventional airblast spray volumes post bloom of 2,000 to 2,200 litres of water per hectare. The use of concentrate spraying or very high volumes of water (>2,500 litres) are not advised. Avoid spray overlap and slow drying conditions.	