

WARNING
KEEP OUT OF REACH OF CHILDREN

PLEASE READ THE LABEL CAREFULLY BEFORE USE



JMS Organic Oil[®]

For use on Apples, Avocados, Citrus, Kiwifruit, Pears, Stonefruit to control a range of insect pests and on Grapes to control Powdery Mildew, Botrytis, Mealy bug and Mites

Contains:

971 ml / litre mineral oil in the form of an emulsifiable concentrate.
(Minimum unsulfonated residue 99.1%)

JMS
Flower Farms, Inc.



AGRECOVERY
Rural Recycling Programme

NET
CONTENTS:

9.46

LITRES

Registered to:
UPL New Zealand Limited
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Auckland, New Zealand
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UPL
OpenAg[™]



HSNO Class: 6.1E, 6.3B, 9.1B

May be harmful if swallowed. May cause skin irritation. Toxic to aquatic organisms.

HANDLING PRECAUTIONS: When mixing or applying work up wind and avoid breathing vapour. Avoid contact with skin and eyes. Keep out of the reach of children. Wear impervious clothing including gloves and goggles or face shield when mixing or applying. Do not eat, smoke or drink while using. Wash face and hands after application. Wash clothing before re-use. Store in original container, tightly closed away from heat.

PRODUCT DISPOSAL: Ensure unwanted product is used by another operator strictly in accordance with label directions.

CONTAINER DISPOSAL: Triple rinse container and add residue to spray tank. Submit clean empty container for recycling through Agrecovery. If this is not possible, bury in an approved landfill.

STORAGE: Store in an original container tightly closed and in a locked, dry, cool, well ventilated area, away from feed, seeds and foodstuffs. Storage might be in accordance with NZS8409 Management of Agrichemicals. See the HAZNOTE for further information. When stored appropriately this product should show no significant degradation for 2 years.

FIRST AID: Flush eyes with plenty of water for at least 15 minutes. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Call a doctor if irritation persists. If inhaled, remove from exposure and call a doctor. If swallowed do NOT induce vomiting. Do not give liquids. For advice, contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately.

PRODUCT INFORMATION

JMS Organic Oil is a food grade mineral oil. It is a colourless, high purity, medium viscosity oil which falls into the narrow to intermediate range of oil specifications. It contains an emulsification system to facilitate mixing with water.

JMS Organic Oil is a protectant and curative contact product. It is not systemic so requires thorough spray coverage. The mode of action on fungi and insects is through contact with the pest, interfering with respiration and for fungi, by modifying plant surfaces making them unsuitable for the establishment of a disease pathogen.

NOTES:

1. JMS Organic Oil may reduce the visible wax bloom on grapes, particularly red varieties when used close to harvest, however there is no evidence of any reduction in winning qualities. **DO NOT USE ON TABLE GRAPES.**

2. Use of JMS Organic Oil may delay maturity by up to one week.

DIRECTIONS FOR USE

The dilution rates expressed are for spraying to the point of run-off. For low volume application, follow the Du-Wett per hectare recommendations where given.

Mixing: Half fill the spray tank with water. Add any mixing partners to the tank and thoroughly agitate before the addition of **JMS Organic Oil**. Maintain agitation while filling the tank and until application is complete. No additional adjuvants need to be added at high water volumes. The addition of Oil-Mate® adjuvant to the **JMS Organic Oil** PRIOR to the addition of the oil to the spray tank will assist coverage at lower water volumes. **JMS Organic Oil** may be applied in reduced water volumes with the addition of Du-Wett®

NOTE: If product has been stored for more than three months, agitate or stir before use.

EXCLUSION OF LIABILITY: PLEASE READ to the extent permitted by law, buyers and/or users of the goods accept that neither the manufacturer, Etec Crop Solutions Limited as distributor, nor any other distributor have any liability or responsibility whatsoever for any loss, damage or injury whether in contract or tort, whether direct, indirect or consequential howsoever arising in connection with the supply and use of these goods is not borne by us.

24 Hour Emergency Response

0800 CHEM CALL

0800 243 622

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**UN3082, ENVIRONMENTALLY HAZARDOUS
SUBSTANCE, LIQUID N.O.S. (MINERAL OIL)
PACKING GROUP III HAZCHEM 2X**

UPL315/9.46L

BATCH NO

DOM



RECOMMENDATIONS:

IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS

To control a range of insect pests on Apples, Avocados, Citrus, Kiwifruit, Pears, Stonefruit and to control Powdery Mildew, Botrytis, Mealy bug and Mites on Grapes.

CROP	PEST/DISEASE	RATE	REMARKS
Grapes	Early Season Powdery mildew & Eriosea Mite	2 litres/ha. Apply in up to 400 litres/ha or with Du-Wett in 100-200 litres/ha	Early Season: Apply from first leaves present to pre-flowering. To prevent powdery mildew, apply on a 7-10 day schedule as required to maintain adequate control.
	Powdery mildew	2 litres/100 litres	Late season: Flowering to harvest. To prevent powdery mildew apply on a 7-10 day schedule as required to maintain adequate control of powdery mildew. For eradication of powdery mildew infection, apply as a high volume spray to run-off. Repeat on a 7-10 day schedule as required to maintain adequate control of powdery mildew. Use a minimum of 8 litres per hectare.
	Botrytis		Where disease conditions are high, or during periods of high risk (wet, humid weather) use a specific botrytis fungicide.
	Mealy Bug & Eriosea Mites		Under low botrytis conditions through the season use JMS Organic Oil at 2 litres to 100 litres of water. Do not mix with captan, chlorothalonil, Gem® Pests present at the time of treatment with JMS Organic Oil will be affected, particularly when they are at the juvenile stage of development. Specific mealy bug chemicals may be added to JMS Organic Oil when mealy bug is a problem. The addition of OilMate II will help with the control of Mealy bug hiding in bark and cavities. Add OilMate directly to the Oil before mixing in the spray tank.
Apples, Pears and Stonefruit	San Jose Scale, European Red Mites and Aphids	Green tip to tight cluster: 1.5 - 2 litres/100 litres of water Summer Application: 1 litre /100 litres of water	To control high pest populations, apply with oil compatible insecticides. Do not apply to russet sensitive varieties later than early green tip. Do not apply to crops under stress from drought or frost. Monitor the advancement of green tip, especially on early varieties. Complete coverage is essential.
Avocados	Armoured Scale, Greenhouse Thrips, and Six-Spotted Mite.	1 litre/100 litres of water.	Make two applications from late January to February, one month apart. If pest pressure is high, apply three sprays from January to April. May be applied pre-flowering: one or two applications in September to October. Do not apply to plants under stress.
Citrus	Scale insects, Aphids, Citrus Red Mite and Thrips	1 litre/100 litres of water. Apply during spring and summer	Do not apply in temperatures over 32°C or to trees in hot dry weather when trees are suffering moisture stress. May be mixed with oil compatible insecticides to control high pest populations and mealy bug. Complete coverage is essential.
Kiwifruit	Greedy, Latania and Oleander scales.	1 litre/100 litres of water.	<i>Timing for oil sprays has not been established for new varieties. Consult with Zespril for latest information.</i> HAYWARD – Use 1 litre per 100 litres of water (1%). DO NOT apply 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. Apply when conditions favour rapid drying on the plant. ZESPRI™ GOLD – Use 1 litre per 100 litres of water (1%). Apply only up to 21 days after fruit set. <i>Notes: Any applications of spraying oils should be in response to a demonstrated need and be in accordance with the Crop Protection Programmes for export kiwifruit.</i> Use 1000 to 1500 litres of water per hectare. The use of concentrate spraying is not advised. Avoid spray overlap. Apply when conditions favour rapid drying on the plant. Ensure complete coverage of vines including crowns. Do not apply within 14 days of Copper sprays.
General use as an Organic Wetting Agent	All labelled crops	50ml/100litres	NOTE: DO NOT MIX with Success®, Entrust® or foliar feeds on Zespril Gold. Organic JMS is an effective wetting agent for use with plant protection products used in Organic growing systems. Because of the diversity of products used in Organic growing, it is not possible to test all combinations that may be used. Test a small amount of new mixtures before general use.

USE PRECAUTIONS:

DO NOT USE ON ANY ORNAMENTAL CROP INCLUDING THOSE GROWN FOR CUT FLOWERS, FOLIAGE AND NURSERY PLANTS

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 under slow drying conditions, i.e. high humidity, cool temperatures.

DO NOT spray plants under stress from wet or dry conditions, or disease.

DO NOT use additional spray adjuvants with JMS Organic Oil except as directed on this label.

DO NOT spray crops (except grapes) when freezing conditions are anticipated within 48hrs and when temperatures are above 32°C.

COMPATIBILITY: JMS Organic Oil is compatible with a wide range of commonly used insecticides, fungicides and plant nutrition products, including: Ovation®, Manzaté® Evo, Rowral®, Lorsban®, Du-Wett®, Bond Xtra®, and Epsom Salts. Organic JMS Stylet Oil may also be applied in mixture with copper hydroxide based products except on grape vines when fruit is present. For other mixtures it is advisable to test compatibility on a few vines before treating the vineyard. The following chemicals are not compatible with **JMS Organic Oil** and should not be sprayed within 14 days either side of **JMS Organic Oil**: Captan, Carbaryl, chlorothalonil, fluazinam, Nufilm®-17, Omite, soaps/detergents, and organic tin compounds. Do not apply sulphur sprays within 7 days either side of **JMS Organic Oil**.