

HARMFUL • ECOTOXIC

Keep out of reach of children

Orthene[®]
WSG

Active Ingredient: 970 g/kg acephate in the form of a water soluble granule.

Broad spectrum systemic insecticide for use on many vegetables, fruit crops and ornamentals.

Net: 1 kg



Distributed by
Zelam Limited
Hudson Road
New Plymouth 4341 NZ

HAZARD CLASSIFICATION

6.1D, 6.7B, 6.8B, 6.9A, 9.1D, 9.3B, 9.4A

APPROVED HANDLER

This product must be under the control of an approved handler during use. This product must not be used for any purpose, or in any manner, contrary to this label unless authorised under appropriate legislation.

TOXICITY

Toxic – may cause damage to the nervous system from repeated oral exposure at high doses. Harmful – may be harmful if swallowed, inhaled or absorbed through the skin. Limited evidence of a carcinogenic effect in animal studies. May cause reproductive/development damage from repeated oral exposure.

ECOTOXIC

Harmful to aquatic organisms. Avoid contamination of any water supply with product or empty container. Very toxic to terrestrial invertebrates including bees. Spray must not contact plants from 7 days before flowering to petal fall if the plants are likely to be visited by bees. Toxic to terrestrial vertebrates.

HANDLING PRECAUTIONS

STORAGE

Store in original container tightly closed and in a locked, dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals. Stores containing 100kg of Orthene WSG require signage and more than 1000kg require emergency response plans.

PERSONAL PROTECTION

When mixing or applying wear protective clothing such as waterproof hat and gloves, coat and trousers (worn outside rubber boots) and appropriate respiratory protection. Avoid inhalation of spray mist. Do not allow granules or spray mist to contact skin or eyes. Do not eat, drink or smoke while using. Remove protective

clothing and wash face and hands thoroughly before meals and after work. Wash protective clothing daily after work.

EQUIPMENT

Apply using well maintained and accurately calibrated equipment.

DISPOSAL

Recycle empty container. Otherwise crush and bury in a suitable landfill. Dispose of product only by using according to the label or at an appropriate landfill

FIRST AID: If swallowed do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If in eyes, wash out immediately with water.

SPILLAGE: Wear appropriate protective clothing and prevent material from entering waterways. Sweep up solids without creating dust. Wash area with water and absorb with inert material. Dispose of waste safely in an approved landfill.

TRANSPORT: Do not carry more than 10kg of this product on a passenger service vehicle.

RECORD KEEPING: Records of use as described in NZS 8409 Management of Agrichemicals must be kept whenever Orthene WSG is used.

MIXING: Half fill the tank with water. With the agitator running, add the required amount of Orthene WSG and mix thoroughly until completely dissolved. Top off with the required amount of water.

COMPATIBILITY: Orthene WSG may be combined with most commonly used fungicides, adjuvants and insecticides, with the exception of strongly alkaline materials such as hydrated lime, Bordeaux mixture and lime sulphur.

SHELF LIFE: When 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.

PLEASE READ THE ENTIRE LABEL BEFORE USE

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand Food Standards. It is an offence to use this product on animals.

DIRECTIONS FOR USE: The rates suggested are for high volume spraying to run-off. Complete uniform coverage is essential. For concentrate spraying adjust dilution rate accordingly.

CROP	PEST	RATE	NOTES
Avocados	Grass grub beetles Greedy scale Leafroller caterpillars Mealy bug	80g/100L	Apply pre-flowering. Repeat at 100% petal fall and at 3-4 weekly intervals until the end of April. Thereafter only if needed. (Note: The addition of 1 litre of an all purpose spraying oil per 100 litres of spray mix is suggested where heavy infestations of mealybug or scale are known to exist. Observe label precautions when using an oil spray).
	Aphids	40g/100L	For use on nursery seedlings. Repeat as required.
Boysenberries	Leafhoppers	800g/ha	Apply immediately after harvest or later in the autumn before over wintering eggs are laid.
Cabbage Cauliflower	White butterfly Diamondback moth Green peach aphid	80g/100L (800g-1.1kg per ha)	To control caterpillars and aphids apply at 7-10 day intervals after transplanting. The addition of a wetting agent is recommended to improve control.
Citrus	Aphids Mealybug Leafroller Kelly's citrus thrips	80g/100L	Apply at monthly intervals from petal fall until 14 days before harvest. Where red scale is a problem a 1% oil spray should be applied with Orthene WSG in the pre and post flowering treatments. The use of oil sprays on tangelos after December may affect fruit finish.
Lettuce	Aphids Caterpillars	80g/100L (800g/ha)	Apply every 2 weeks or as required.
Potatoes	Aphids	200-600g/ha	Apply when aphids are first seen. Repeat after 10-14 days if necessary. Use the higher rates if aphid populations are high. When Orthene WSG is used against aphids the normal spray for the control of potato tuber moth may be omitted if the rate of Orthene WSG is increased to 800g/ha.
	Tuber moth	800g/ha	Apply at 10-14 day intervals beginning at the first appearance of foliage mining. Control of tuber mining is assisted by maintaining soil moisture at an adequate level by irrigation and by good soil coverage over the developing tuber.
Roses & other Ornamentals	Aphids Caterpillars	20-80g/100L	Apply at 2 weekly intervals. Use the higher rate where a higher level of control is required.
Tamarillos	Aphids Caterpillars Grass grub beetles	80g/100L	Apply at first appearance of infestation. Repeat as necessary at 10-14 day intervals.
Tomatoes	Caterpillars	80g/100L (800g/ha)	Apply fortnightly as a preventative programme.

WITHHOLDING PERIODS: Avocados – 28 days. Lettuce, tomatoes – 3 days. Cabbage, cauliflower, potatoes – 7 days. Citrus, tamarillos – 14 days.

CONDITIONS OF SALE:

CAUTION: READ THIS NOTICE BEFORE OPENING THE CONTAINER If you open this container you will be deemed to have accepted the conditions below.

The results from use of this product may be affected by factors beyond Arysta LifeScience's control, including mixing, use, climatic conditions, time of application, crop or crop stage and the possible development of resistance to the active ingredient, even though the product is reasonably fit for the purposes stated in this label, and even though label directions are followed. Arysta LifeScience will replace, free of charge, any product which is found to have a manufacturing defect. To the extent permitted by law, all other warranties, guarantees, representations and conditions, whether expressed or implied by law, trade, custom or otherwise are expressly excluded.

When you use this product, you agree that neither Arysta LifeSciences nor any manufacturer of any component of the product will be liable for any damage, injury or loss including consequential loss which arises in any way from the storage, handling, or use of the product. This exclusion of liability includes loss caused by negligent acts or omissions of Arysta LifeSciences or any supplier or manufacturer of the product or any of their employees and agents.

NOTICE TO BUYER: The manufacturer and vendors of *Orthene *warrant the formulation to contain the specified active ingredient within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not. Registered pursuant to the ACVM Act 1997, No. P2041. See www.nzfsa.govt.nz/acvm/ for registration conditions. Approved pursuant to the HSN0 Act 1996, Approval Code HSR000155.

See www.ernanz.govt.nz for approval controls.

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