

WARNING

KEEP OUT OF REACH OF CHILDREN

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

Mortar[®]

211203

INSECTICIDE

Contains: 440 g/litre buprofezin in the form of a suspension concentrate

To control mealybugs, scales, froggatt's apple leafhopper and whitefly on a wide range of crops


NET CONTENTS: 5 LITRES

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Approved pursuant to the HSNO Act 1996, No: HSR002487. See www.epa.govt.nz for approval conditions.

Registered pursuant to the ACVM Act 1997, No. P007544 See www.foodsafety.govt.nz for registration conditions.

arxada

	GHS CLASSIFICATION	HAZARD STATEMENT
	Specific target organ toxicity (repeated exposure) Cat. 2 Hazardous to terrestrial vertebrates Hazardous to the aquatic environment chronic Cat. 1	May cause damage to organs through prolonged or repeated exposure. Hazardous to terrestrial vertebrates. Very toxic to aquatic life with long lasting effects.
<p>FIRST AID: Get medical advice/attention if you feel unwell.</p> <p>PERSONAL PROTECTION: Do not breathe mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection.</p> <p>STORAGE: Store locked up. Store in original container, tightly closed and in a dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.</p> <p>DISPOSAL: Avoid contamination of any water supply with product or empty container. Triple rinse empty container placing rinse water in the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot or crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved landfill or disposal facility.</p> <p>SPILLAGE: Wear appropriate protective clothing. Exclude all bystanders from the vicinity of the spill and prevent material from entering waterways. Contain liquid spills and absorb with inert material and place in waste containers. Wash area with water and absorb with further inert material. Dispose of waste safely in an approved landfill.</p> <p>SAFETY DATA SHEET: Additional information is listed in the Safety Data Sheet available from Arxada NZ Limited or www.arxada.co.nz</p> <p>QUALIFICATION REQUIREMENTS: Persons mixing, loading, applying, or otherwise handling Mortar must meet qualification requirements set out in the EPA Hazardous Substances (Hazardous Property Controls) Notice 2017.</p>		

PLEASE READ ENTIRE LABEL BEFORE MIXING OR APPLYING. SHAKE OR STIR WELL BEFORE USE.
It is an offence to use this product on animals.

DIRECTIONS FOR USE: All recommended rates are for high volume spraying to run off. For maximum effect, complete coverage and wetting of all surfaces inhabited by pest insects is required. For concentrate spraying, adjust dilution rates to apply the same quantity of Mortar per hectare as would have been applied through high volume spraying.

CROP	INSECTS	USE RATE AND SCHEDULE
Pipfruit	Mealybugs, scales & froggatt's apple leafhopper	Mix 30 ml per 100 litres of water. Apply twice, 10 - 14 days apart, between greentip and start of pink. A third application should be applied between the middle and end of November. Do not apply after the end of November. On mature apples apply 3000 litres spray mix per hectare. On mature pears apply 5000 litres spray mix per hectare.
Grapes	Mealybugs	Mix 30 ml per 100 litres of water. Apply twice, 14 - 21 days apart, between bud movement and start of flowering. Bud movement applications should be mixed with 1% spraying oil.
Golden queen peaches	Mealybugs	Mix 30 ml per 100 litres of water. Apply twice, 10 - 14 days apart, between bud movement and start of pink. On mature peaches apply 3000 litres spray mix per hectare.
Citrus	Scales	Mix 30 ml per 100 litres of water. Apply twice, 10 - 14 days apart, when scale is first apparent. Where populations persist, re-apply at intervals of not less than one month. Where season long spray programmes are needed, alternate Mortar with other approved insecticides to prevent possible development of resistant scale. Do not apply more than 4 applications of Mortar per season. Apply not less than 2500-3000 litres spray mix per hectare.
Kiwifruit	Armoured scales	Mix 30 ml per 100 litres of water. Apply between greentip and opening of the first female flowers. Where two applications of an insecticide are required over this period, use Mortar for only one application. Apply 2000 litres spray mix per hectare.
Tamarillo	Whitefly	Mix 30 ml per 100 litres of water. Apply between pruning and before fruit set. Later applications, no closer than 28 days apart, should be made when whitefly populations exceed 20 adults per leaf. Other insecticides may be tank mixed or alternated with Mortar to control adult whitefly. Apply not less than 1000 litres spray mix per hectare.
Persimmon	Mealybugs	Mix 30 ml per 100 litres of water. Apply twice, 10 - 14 days apart between greentip and blossom. Apply not less than 2500 litres spray mix per hectare.
Glasshouse Crops: Cucumbers, eggplant, melons, peppers, pepino, tomatoes, zucchini. Ornamentals including bouvardia, gerbera, pointsettia, roses.	Whitefly	Mix 30 ml per 100 litres of water. Apply at first appearance of whitefly. If necessary repeat at an application interval of not less than three weeks. Apply no more than two applications of Mortar per crop or season.

MODE OF ACTION: Mortar is an Insect Growth Regulator that primarily interferes with the moulting of immature stages of mealy bug, scales and whitefly. It does not control adults. Pest populations therefore decrease with the passage of generations and results are seldom quickly visible.

SELECTIVITY: Mortar is effective against a few sucking insects only. It is safe to predator mites, bees and most parasites or predators of target pest insects such as Encarsia wasp parasite of whitefly. Mortar is compatible with Integrated Pest Management (IPM) and Integrated Fruit Production (IFP) programmes.

APPLICATION: Mortar can be used through conventional and concentrate spraying equipment.

MIXING: Pour the correct volume of Mortar into the partly filled spray tank with agitator running. Complete filling and maintain agitation while spraying and during any stoppages. Use all mixed product the same day.

COMPATIBILITY: May be tank mixed with most commonly used crop protection products except strongly alkaline materials such as Bordeaux mixture or lime sulphur.

It is an offence for users of this product to cause residues exceeding the relevant MRL in the Food Notice: Maximum Residue Levels for Agricultural Compounds.

WITHHOLDING PERIODS: Pipfruit - 56 days; Grapes - Do not apply after the start of flowering; Golden queen peaches - Do not apply after the 1st flower buds have opened; Citrus - 14 days; Kiwifruit - Do not apply after the first female flower buds have opened; Tamarillo - 7 days; Persimmon - Do not apply after the first flower buds have opened; Tomatoes, cucurbits, peppers, eggplants - 3 days.

RESISTANCE MANAGEMENT: GROUP 16 INSECTICIDE

Mortar contains a homopteran growth regulator insecticide with the inhibition of chitin biosynthesis, type 1 mode of action. Resistance to this and other group 16 insecticides could develop from excessive use. To minimise this risk use strictly in accordance with the label instructions. Avoid using group 16 insecticides exclusively and follow resistance management strategies that exist for particular pests listed as controlled on this label. Avoid unnecessary spraying and maintain good cultural control practices. See www.resistance.nzpps.org for further information.

NOTICE TO BUYER: The manufacturer and vendors of Mortar 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.

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D.O.M:
BATCH NO:

