

orion AGRISCIENCE



HARMFUL | ECOTOXIC

KEEP OUT OF REACH OF CHILDREN

Applaud[®] 40SC

**INSECT GROWTH
REGULATOR**

For the control of Mealybugs, Scales, Froggatt's Apple Leafhopper and Whitefly on PIPFRUIT, GRAPES, GOLDEN QUEEN PEACHES, CITRUS, KIWIFRUIT, TAMARILLO, PERSIMMON and GLASSHOUSE CROPS

Active Ingredient:

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

SHAKE WELL BEFORE USE



5 Litres



PLEASE READ THE LABEL COMPLETELY BEFORE USE



HAZARD CLASSIFICATIONS: 6.1E, 6.3B, 6.4A, 6.9B, 9.1D, 9.3C

WARNING: HARMFUL, ECOTOXIC

May be harmful if swallowed. May cause mild skin irritation. May cause serious eye irritation. May cause organ damage through prolonged or repeated exposure. Toxic to aquatic life. Harmful to terrestrial vertebrates.

PRECAUTIONS

Keep out of reach of children. Avoid contact with eyes and skin. Do not breathe in the vapour or spray mist. Do not eat, drink or smoke during use. Wash hands after use.

STORAGE

Store in the original container in a secure area. When stored appropriately this product should show no significant degradation for two years from the date of manufacture. Contact your supplier for further information about the use of product that is older than this.

PROTECTIVE EQUIPMENT

When mixing or applying, wear overalls, boots, gloves, and eye protection. Wear a respirator if spray mist could be inhaled. Clean protective equipment after use.

USE

Apply with well maintained and calibrated spray equipment.

DISPOSAL

Dispose of this product by using it in accordance with this label. Dispose of the container via AgRecovery after triple rinsing (use the rinsate for spraying). Do not burn. Do not use the container for any other purpose.

ENVIRONMENTAL

Take all reasonable steps to ensure that the substance does not cause any significant adverse effects to the environment beyond the application area. Do not apply directly into or onto water. In the event of spillage, exclude non-essential people from the area. Wear protective equipment and prevent from entering drains. Contain and collect for disposal.

First Aid

If medical advice is needed, have product container or label at hand.

If swallowed: Seek medical advice if feeling unwell.

If on skin: Wash with plenty of soap and water. Seek medical advice if irritation persists.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if easy to do so. Continue rinsing. Seek medical advice if irritation persists.

For advice, call the Poisons Centre on **0800 POISON (0800 764 766)** or a Doctor.

Emergency Response

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

Safety Data Sheet

Additional information is provided in the safety data sheet. Freephone **0800 ORIONAS (0800 674 6627)** or visit www.orionagriscience.co.nz

Registered pursuant to the ACVM Act 1997, No. P5816

See www.foodsafety.govt.nz for registration conditions.

Approved pursuant to the HSNO Act 1996, No. HSR101296

See www.epa.govt.nz for approval conditions.

®APPLAUD is a Registered Trade Mark of Nihon Nohyaku Co. Ltd., Japan

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Distributor:

Orion Agriscience Ltd, Unit 1, 15 Sir Gil Simpson Drive, Harewood, Christchurch 8053

Applaud

Batch No.

Date of Manufacture

orion
AGRISCIENCE

0721

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GENERAL INFORMATION

Applaud 40SC is an insect growth regulator that primarily interferes with the moulting of immature stages of mealybugs, scales and whitefly. It does not control adults. Pest populations therefore decrease with the passage of generations and results are seldom visible quickly.

Applaud 40SC 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. Applaud 40SC is compatible with Integrated Pest Management (IPM) and Integrated Fruit Production (IFP) programmes.

It is an offence to use this product on animals.

DIRECTIONS FOR USE

APPLICATION METHODS

Applaud 40SC can be applied using normal or concentrate spraying equipment. This substance must be applied using ground based methods only. Flush equipment thoroughly with clean water after use.

High Volume: Apply as a wetting spray to point of run-off coverage.

Concentrate: Increase concentration of Applaud 40SC in proportion to concentration, i.e., if water volume is halved, double the concentration of Applaud 40SC in the spray tank.

MIXING

Fill the spray tank half full with water and start gentle agitation. Slowly pour the required quantity of Applaud 40SC into the spray tank. Maintain gentle agitation while adding the remaining water and until spraying is complete. Do not leave the spray mix in the sprayer overnight.

COMPATIBILITY

May be tank mixed with most commonly used insecticides and fungicides. Do not mix with strongly alkaline materials such as Bordeaux mixture or lime sulphur.

WITHHOLDING PERIODS

It is an offence for users of this product to cause residues exceeding the relevant MRL in the New Zealand (Maximum Residue Limits of Agricultural Compounds) Food Standards.

Citrus	14 days
Golden Queen Peaches	Do not apply after the first flower buds have opened
Grapes	Do not apply after the start of flowering
Kiwifruit	Do not apply after the first female flower buds have opened
Persimmon	Do not apply after the first flower buds have opened
Pipfruit	56 days. Do not apply after pink
Tamarillo	7 days
Tomatoes, Cucurbits, Peppers, Eggplants	3 days

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RESISTANCE MANAGEMENT

GROUP	16	INSECTICIDE
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Applaud 40SC contains the Group 16 insecticide buprofezin. Resistance to this insecticide could develop from excessive use. To minimise this risk, use strictly in accordance with label instructions. Consult <http://resistance.nzpps.org/index.php> for alternative modes of action and details of resistance management strategies (if any) for the insect pests listed on this label.

WARRANTY

This formulation is warranted to contain the specified active ingredient within accepted analytical tolerance when packed. The user bears the risk for damage resulting from factors beyond the manufacturer's control. The manufacturer declines all liability for damage resulting from improper storage or use of the product.

RATES OF APPLICATION

Mix Applaud 40SC at a rate of 30 mL / 100 L water. Note recommended water rates for crops.

CROP	PEST	CRITICAL COMMENTS
Citrus	Scales	Apply twice, 10 – 14 days apart, when scale is first apparent. Where populations persist, re-apply at an interval of not less than one month. Where season long spray programmes are needed, alternate Applaud 40SC with other approved insecticides to prevent possible development of resistant scale. Apply not less than 2500 – 3000 L/ha spray mix.
Golden Queen peaches	Mealybugs	Apply twice, 10 – 14 days apart, between bud movement and start of pink. On mature peaches, apply 3000 L/ha spray mix.
Grapes	Mealybugs	Apply twice, 14 – 21 days apart, between bud movement and start of flowering. Bud movement applications should be mixed with 1% spraying oil. Apply not less than 1000 L/ha spray mix.
Kiwifruit	Armoured Scales	Apply between greentip and opening of the first female flowers. Where two applications of an insecticide are required over this period, use Applaud 40SC for only one application. Apply 2000 L/ha spray mix.
Persimmon	Mealybugs	Apply twice, 10 – 14 days apart, between greentip and blossom. Apply not less than 2500 L/ha spray mix.
Pipfruit	Mealybugs, Scales, Froggatt's Apple Leafhopper	Apply twice, 10 – 14 days apart, between greentip and start of pink. On mature apples, apply 3000 L/ha spray mix. On mature pears, apply 5000 L/ha spray mix.
Tamarillo	Whitefly	Apply between pruning and before fruit set. A later application, no closer than 28 days apart, should be made when the whitefly population exceeds 20 adults per leaf. Other insecticides should be tank mixed or alternated with Applaud 40SC to control adult whitefly. Apply not less than 1000 L/ha spray mix.
Glasshouse Crops: Cucumbers, Eggplant, Melons, Peppers, Pepino, Tomatoes, Zucchini Ornamentals including Bouvardia, Gerbera, Poinsettia, Roses	Whitefly	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 Applaud 40ASC per crop or season.