

orion AGRISCIENCE

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



9 421004 53348 5

5 Litres

PLEASE READ THE LABEL COMPLETELY BEFORE USE

HAZARD CLASSIFICATIONS: 6.9B, 9.1D

WARNING: HARMFUL, ECOTOXIC

May cause organ damage from repeated ingestion at high doses. Harmful to aquatic organisms.

PRECAUTIONS

STORAGE: Keep out of reach of children. Store in the original packaging in a secure place away from foods. Storage of certain quantities of this product trigger specific storage requirements (Refer to Safety Note). 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.

PERSONAL PROTECTION: Avoid contact with eyes and skin. Avoid inhalation of spray mist. When mixing or applying, wear overalls, boots, gloves, and eye protection. Clean protective clothing daily after work. Do not eat, drink or smoke while using. Remove protective clothing and wash hands and face thoroughly before meals and after work.

USE: Apply with well maintained and calibrated spray equipment.

DISPOSAL: Dispose of this product only by using in accordance with this label, or at a suitable landfill. Triple rinse container and add rinsate to the spray tank. Dispose of container to a suitable landfill or agricultural recycling scheme. Do not burn. Do not use container for any other purpose.

ENVIRONMENTAL: Use this product carefully. Do not contaminate aquatic environments with product, spray drift or empty container. Do not allow spray drift outside the target area to occur.

First Aid

If swallowed do not induce vomiting. If splashed in eyes, wash out immediately with running water for several minutes. If skin or hair contact occurs, remove contaminated clothing and wash with soap and running water. If inhaled, immediately move to fresh air and rest. Maintain half upright position if breathing is difficult. Call the National Poisons Centre **0800 POISON (0800 764 766)** (24 hrs) or a doctor immediately for advice.

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).

Spillage

Exclude non-essential people from the area. Wear protective clothing and prevent material from entering waterways. Absorb spill with inert material such as soil, sand, etc, and place in a waste container. Wash area with water and detergent, and absorb with further inert material. Dispose of safely to a suitable landfill.

Safety Data Sheet

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

Batch No:

Date of manufacture:

APPLAUD

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.

Registered pursuant to the ACVM Act 1997, No. P5816
See www.foodsafety.govt.nz for registration conditions.
Approved pursuant to the HSN0 Act 1996, No. HSR000691
See www.epa.govt.nz for approval conditions.

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Nihon Nohyaku Co. Ltd., Japan

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orion

AGRISCIENCE

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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

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.

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Crop	Pest	Critical Comments
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.

APPLICATION METHODS

Applaud® 40SC can be applied using normal or concentrate spraying equipment. 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 Food Notice: Maximum Residue Levels for Agricultural Compounds.

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

RESISTANCE MANAGEMENT

GROUP 16 INSECTICIDE

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.