

WARNING
KEEP OUT OF REACH OF CHILDREN



EXAULT™

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 GREENHOUSE
CROPS.

grochem

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

PROPER SHIPPING NAME:

**Environmentally Hazardous Substance, Liquid, NOS
(Buprofezin). UN No. 3082**



NET CONTENTS

5L

REGISTERED TO & DISTRIBUTED BY: AgriNova New Zealand Ltd,
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www.grochem.com

GCEX/0322



EXAULT™

READ SAFETY DIRECTIONS BEFORE OPENING OR USING

WARNING: May cause damage to organs through prolonged or repeated exposure. Very toxic to aquatic life with long-lasting effects. Harmful to terrestrial vertebrates.

FIRST AID: Call a POISON CENTRE or doctor/physician if you feel unwell. If medical advice is needed, have product container or label at hand.

IF SWALLOWED: Rinse mouth with water immediately. Do not induce vomiting. Seek medical attention.

IF IN EYES: Immediately flush with flowing water for at least 15 minutes. Seek medical attention if irritation persists.

IF ON SKIN: Wash with plenty of soap and water for at least 15 minutes while removing contaminated clothing. Wash clothing before reuse. If skin irritation occurs, get medical advice/attention.

IF INHALED: If ill-effects occur, remove patient to fresh air. If ill-effects persist, consult a doctor.

24-hour Emergency Telephone Number – for advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately.

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

GENERAL DIRECTIONS: Before opening, carefully read warning statements, precautions, instructions and directions for use.

RESISTANCE MANAGEMENT: Exault is from a unique chemical group. However overuse may lead to resistance in target populations. A maximum of 3 applications of any buprofezin containing products should be applied per season. Following early season use on Tamarillos, alternate with other whitefly materials. Exault may be alternated or mixed with conventional insecticides.

CONDITIONS OF SALE: As no control can be exercised over the manner in which or the conditions under which this product is used, all conditions and warranties expressed or implied, other than those required by statute are excluded. No responsibility will be accepted for any damage or injury whatsoever arising from the storage, handling, application or use of this product.

MODE OF ACTION: Exault is an insect growth regulator that interferes with the moulting process in the young development stages of mealy bug, scale and whitefly. Exault has no effect on adults. The action of Exault is gradual, causing a decline in the population as each generation is affected. Exault is suitable for IPM programs as it is safe to most predators and parasites. It is also safe to bees.

IT IS AN OFFENCE TO USE THIS PRODUCT ON ANIMALS.

APPLICATION RATES:

CROP	PEST	APPLICATION RATE	REMARKS
		In all crops ensure not less than 300ml/ha is applied	
Citrus	Scales	30ml/100L Water	Apply in 2500L–3000L of water per hectare or more if required to obtain complete coverage. Treat when scale first appears and repeat 10–14 days later. Where populations persist, re-apply at intervals not less than one month. For season long programmes alternate Exault with other scale materials.
Grapes	Mealy bug	30ml/100L Water	Apply in 1000L of water (250ml/ha minimum dose rate). Apply the first spray in mixture with 1% spraying oil at the first sign of bud movement. Make a second application without oil 10–14 days later when shoots are 10–20mm long. Do not apply after the start of flowering.
Kiwifruit	Greedy scale Oleander scale	30ml/100L Water	Apply in 2000L of water. Make one application between green tip and opening of the first female flowers. Where more than one pre-flower insecticide is required, use Exault for only one of these.
Persimmon	Mealy bug	30ml/100L Water	Apply two applications at 10–14 days between green tip and bloom. Use sufficient water to obtain complete plant coverage.
Pipfruit	Mealy bug Froggarts Apple Leaf Hopper Scale	30ml/100L Water	Apply two applications at 10–14 days between green tip and before the commencement of pink. Use sufficient water to obtain complete plant coverage. Suggested water volume for mature apples apply 3000L/ha of spray mix and on mature pears apply 5000L/ha of spray mix.
Stonefruit– Golden Queen Peaches	Mealy bug	30ml/100L Water	Apply at least 3000L of spray mix per hectare on mature crops. Apply twice, 10–14 days apart, between bud movement and the start of pink.
Tamarillo	Whitefly	30ml/100L Water	Apply after pruning and before fruit set. Re-apply no sooner than 28 day intervals when whitefly adults exceed 20 per leaf. Alternate with other whitefly materials to control adults.
Glasshouse Crops – Cucumbers, eggplants, melons, peppers, pepino, tomatoes, zucchini and ornamentals including – gerbera, bouvardia, poinsettia and roses	Whitefly	30ml/100L Water	Apply as drenching spray at the first appearance of whitefly and repeat if necessary at intervals of not less than one month. Apply no more than two applications of Exault per season.

PRECAUTIONS:

EQUIPMENT: Apply using accurately calibrated and maintained equipment in accordance with the New Standard for the Management of Agrichemicals (NZS8409). Flush equipment thoroughly with clean water after use. Avoid release to the environment.

PERSONAL PROTECTION: When mixing or loading wear overalls and impervious gloves and face protection. Do not breathe dust, mist, fume, gas, vapours or spray. Wash hands and exposed skin after work.

STORAGE & TRANSPORT: Store in closed original container in a cool, well ventilated area, out of direct sunlight, away from foodstuffs. When stored appropriately this product should show no significant degradation for 2 years from the date of manufacture. Contact Grochem for information on the use of product older than this. Do not carry more than 10L on a passenger service vehicle.

SPILLS: When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Contain and store in labelled sealed drums for safe disposal. If spray mixture is spilled absorb with suitable material, collect in drums as above. Deal with spillage immediately. If contamination of drains, streams, watercourses, etc. is unavoidable, warn the local water authority.

DISPOSAL: Dispose of this product only by using according to the label or at an approved landfill. Tank cleaning water should be applied to the ground away from edible crops.

CONTAINER DISPOSAL: When empty triple rinse container and add residue to spray tank. Puncture containers. Containers with the Agrecovery logo may be taken an Agrecovery collection site. Otherwise dispose of at an approved landfill, or in a pit dug especially for such a purpose on the farm, at least 50cm deep, clearly marked and well away from any body of water.

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

DO NOT APPLY EXAULT WITHIN THE FOLLOWING TIME PERIODS BEFORE HARVEST.

- Tomatoes, cucurbits, peppers, eggplants – 3 days
- Tamarillo – 7 days
- Citrus – 14 days
- Kiwifruit – Do not apply after the first female flower buds have opened.
- Pipfruit – 56 days. Do not apply after pink
- Grapes – Do not apply after the start of flowering
- Golden Queen Peaches, Persimmons – Do not apply after the first flower buds have opened.

COMPATIBILITY: Exault is compatible with most commonly used insecticides, fungicides, plant growth regulators, foliar fertilisers and adjuvants. Do Not mix with strongly alkaline materials such as Bordeaux mixture or lime sulphur.

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