

MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. HARMFUL TO AQUATIC LIFE WITH LONG-LASTING EFFECTS.

PERSONAL PROTECTION: Avoid skin and eye contact and inhalation of spray mist. Appropriate personal protective equipment (PPE), for example, safety goggles, gloves, washable hat and protective clothing shall be worn when handling the substance during mixing, loading, use and disposal. Wash hands after use. After each day's use, wash gloves, goggles and contaminated clothing.

HANDLING PRECAUTIONS:

Sunny Plant Growth Regulator shall not be applied onto or into water. Avoid contamination of any water supply with product or empty container. DO NOT breathe dust, fume, gas, mist, vapours or spray. DO NOT eat, drink or smoke when using this product.

Remove protective clothing immediately after handling this product and wash hands and face before meals and after work.

SPILLS AND DISPOSAL: When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Contain the spill by damming, recover spilt product by absorbing with sawdust or an inert absorbent material, then transfer the recovered spilt material to a properly labelled drum. Deal with all spillages 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. Avoid contamination of any water supply with product or empty container.

CONTAINER DISPOSAL: Triple rinse container and add rinsate to spray tank. Take to an Agrecovery collection site.

STORAGE: Keep out of reach of children. Store in the closed original container in a well-ventilated area, as cool as possible. Do not store for prolonged periods in direct sunlight.

SHELF LIFE: 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 any product that is older than this.

SAFETY DATA SHEET: Additional information is listed in the Safety Data Sheet (SDS) from www.grochem.com.

FIRST AID: Get medical advice/attention if you feel unwell. IF SWALLOWED: DO NOT induce vomiting unless advised to do so by the poison centre or a doctor.

IF IN EYES: Rinse with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

IF ON SKIN: Wash with soap and water. IF INHALED: Move patient to fresh air and keep at rest in a position comfortable for breathing.

24-hour Emergency Telephone Number.

For advice contact the National Poisons Centre – 0800 POISON (0800 764 766) – or a doctor, immediately. Have product container or label at hand. For specialist advice in an emergency only, call CHEMCALL (24hrs) 0800 243 6225.

In a transport emergency dial 111.

Registered pursuant to the ACVM Act 1997, No. P8090. See www.foodsafety.govt.nz for registration conditions. Approved pursuant to the HSN0 Act 1996. Approval Code HSR100373. See www.epa.govt.nz for approval controls.



PLANT GROWTH REGULATOR

FOR USE ON AVOCADOS TO INCREASE FRUIT SIZE AND REDUCE VEGETATIVE GROWTH

grochem

Contains: 50g/litre Uniconazole-P in the form of a Suspension Concentrate

WARNING
KEEP OUT OF REACH OF CHILDREN.
READ LABEL BEFORE USE.

DIRECTIONS FOR USE

The rates suggested are for high volume spraying to run-off. For concentrate spraying, adjust dilution rate accordingly. Shake contents adequately before use.

It is an offence to use this product on animals.

RESTRAINTS: DO NOT use on avocado trees that are under stress from disease, lack of moisture or nutritional deficiencies. DO NOT apply more than 15L per hectare per year. DO NOT apply more than once per year. DO NOT apply by aircraft.

NOT TO BE USED FOR ANY PURPOSE, OR IN ANY MANNER CONTRARY TO THIS LABEL UNLESS AUTHORISED UNDER APPROPRIATE LEGISLATION.

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 PERIOD: DO NOT harvest fruit for 14 days after application for New Zealand and Australia. For other markets contact your exporter.

GENERAL INSTRUCTIONS: Sunny Plant Growth Regulator is a plant growth regulator that acts by inhibiting gibberellin production. Its use will result in increased average fruit size and a reduction in vegetative growth. In well managed, healthy orchards an increase in total yield may result.

ORCHARD MANAGEMENT:

- DO NOT apply Sunny Plant Growth Regulator to trees that have shed more than 15% of their leaves when flowering as it is likely that these trees have a significant level of Phytophthora infection.
- Harvest the Sunny Plant Growth Regulator-treated trees as soon as the fruit reaches maturity as "hanging" fruit will continue to accumulate oil to the detriment of flowering and cropping the following season.
- Maintain optimum growing conditions and good orchard management to minimise stress and alternate bearing.

MIXING INSTRUCTIONS: Water pH and hardness: Sunny Plant Growth Regulator should not be applied in alkaline water or hard water (>1000mg/kg solutes). Where necessary use a buffer agent to reduce pH to between 4.5 and 5.5. Shake container well before use. Half fill the spray tank with clean water and whilst constantly agitating add the required amount of Sunny Plant Growth Regulator. Thereafter, add the wetting agent and, if required, buffer. Fill the spray tank to the required level with water while agitating. Ensure vigorous agitation of the mixture in the tank during mixing and spraying. DO NOT allow spray mixture to stand for prolonged periods.

APPLICATION: Sunny Plant Growth Regulator is ideally applied during wind free and high humidity conditions – preferably in the early morning or late afternoon. Sunny Plant Growth Regulator should be applied to trees at mid bloom i.e. when 50% of the flowers on the tree have opened. This will mean that 70% of flowers will have opened on the northern side of the tree and 20% on the southern side. There should be no more than 10% of the vegetative terminals growing at the time of application. Failure to apply Sunny Plant Growth Regulator at the correct timing can give a poor result. Direct spray so that it reaches the green vegetative growing points:

- 65% of spray volume should be aimed at the top 1/3 of the tree
 - 25% of spray volume should be aimed at the centre 1/3 of the tree
 - 10% of spray volume should be aimed at the bottom 1/3 of the tree
- Dilute Spraying:** Spray coverage and water volume should aim to achieve an even coverage across the whole outer tree surface, to contact all the growing tips. A penetrating spray into the canopy is not required.
- Use a sprayer designed to apply high volumes of water up to the point of run-off and matched to the crop being sprayed.
 - Set up and operate the sprayer to achieve even coverage throughout the crop canopy. Apply sufficient water to cover the crop to the point of wetness, avoiding run-off.
 - The required water volume may be determined by applying different test volumes, using different settings on the sprayer, from industry guidelines or expert advice.
 - Add the amount of product specified in the Directions for Use table for each 100L of water. Spray to point of wetness, avoiding run-off. Soil contamination should be prevented.
 - The required dilute spray volume will change and the sprayer set up and operation may also need to be changed, as the crop grows.



NET CONTENTS
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DISTRIBUTED BY:
AgriNova NZ Ltd, 15 Sunlight Grove, PO Box 50-080, Porirua, New Zealand.
NZ freephone: 0800 447 624 | AUS freephone: 1800 777 068
Email: grochem@grochem.com | Website: grochem.com

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REGISTERED TO:
Sumitomo Chemical Australia Pty Ltd,
51 Rawson Street, EPPING NSW 2121,
Australia. TEL: (02) 8752 9000
ABN: 21 081 096 255



SITUATION	PURPOSE	RATES	OFFICIAL COMMENTS
Avocados	To increase average fruit size. Reduce in vegetative growth.	Dilute Spraying: Apply Sunny Plant Growth Regulator as a foliar spray at the rate of 0.5 to 1L/100L plus a nonionic wetting agent at 0.05%.	Apply at mid bloom i.e. when 50% of flowers have opened. (See additional notes under Application). Do not apply to trees where symptoms of Phytophthora root rot are present. See Orchard Management in General Instructions. Growing conditions can affect plant response to this product, i.e. day length, temperature, water regime, seasonal factors etc. Dose rate will depend on factors such as uniformity of flush, tree vigour etc and growers should consult Grochem or their Sunny Plant Growth Regulator supplier before deciding on the dose rate applicable to their orchard. Apply by dilute or concentrate spraying equipment. Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods. Reduction in vegetative growth will occur post application. Spring application for fruit size will influence the spring flush.