



KEEP OUT OF REACH OF CHILDREN
READ LABEL BEFORE USE



PROFICIENT™

PLANT GROWTH REGULATOR

A plant growth regulator for the suppression
of shoot growth in apples.

ACTIVE INGREDIENT: Contains 100g/kg prohexadione-calcium
in the form of a water dispersible granule

GSPR011/F01



Grosafe®

PROFICIENT™

HAZARD CLASSIFICATION: Designed for biocontrol action

ECOTOXICITY

Plant growth regulator. Designed to control growth in certain plant species. Do NOT allow spray drift outside the target area to occur.

PRECAUTIONS

PERSONAL PROTECTION: When mixing and preparing spray, wear cotton overalls buttoned to the neck and wrist, a washable hat, suitable gloves and goggles. Avoid contact with skin, eyes or clothing. Avoid breathing dust. Wash hands and exposed skin thoroughly with soap and water before meals and after work. Wash contaminated clothing and equipment before reuse.

EQUIPMENT: Apply with well-maintained and accurately calibrated equipment. Clean out application equipment thoroughly after use. Do NOT contaminate water when disposing of equipment wash waters. **STORAGE:** Keep out of reach of children. Store securely in original container, tightly closed, away from food and animal feeds. Protect against moisture. Keep away from heat. Protect from direct sunlight. Storage and application must be as described in the current version of the New Zealand Standard for the Management of Agrichemicals NZS8409.

SPILLAGE: When dealing with spills wear personal protective clothing and equipment as described in the PERSONAL PROTECTION section. Prevent further spillage and product from entering waterways. Sweep and shovel up spill and place in sealable container labelled for disposal. Avoid dust formation. Wash affected area with water and detergent. Absorb and collect washings and place in the same sealable container as the spilled material. Dispose of the waste safely in suitable landfill.

DISPOSAL: Do NOT contaminate water with chemical or empty container.

Product Disposal: Dispose of this product only by using according to the label or at an approved landfill. Do NOT burn product.

Container Disposal: Triple rinse empty container (if possible) and add rinsate to the spray tank. Recycle container via Agrecovery (www.agrecovery.co.nz) or to an approved landfill.

SAFETY DATA SHEET: A safety data sheet is available from Grosafe Chemicals Ltd.

FIRST AID:

If medical advice is needed, have product container or label at hand. For advice contact the National Poisons Centre 0800 POISONS (0800 764 766) or a doctor. If swallowed, do NOT induce vomiting. Rinse mouth. If on skin or hair, wash with plenty of soap and water. If in eyes, rinse out cautiously with water for at least 15 minutes. If skin or eye irritation persists, get medical attention.

EMERGENCY RESPONSE 0800 CHEMICAL: 0800 243 622

GENERAL INFORMATION

PROFICIENT is plant growth regulator, which acts within the plant by inhibiting the hormones gibberellin and ethylene. **PROFICIENT** application will reduce shoot growth leading to less pruning in apples. These effects lead to production gains.

DIRECTIONS FOR USE

CROP	RATE	GROWTH STAGE	COMMENTS
Apples	50-75g per 100 litres water (1-1.5kg per ha)	Apply initial treatment when new shoot growth is 2 to 5 cm (3 to 5 leaves fully developed per shoot)	The rates suggested are for high volume spraying to the point of run-off. Apply 2 to 3 times at 21-28 day intervals depending on season and tree. For very early varieties a maximum spray interval of 21 days should be employed. Use the higher rate on vigorous rootstock and/or older crops. Do NOT use on pears.

MIXING: Add the required amount of **PROFICIENT** directly into the partly filled spray tank with agitation operating. Complete filling and maintain agitation until spraying is complete.

ADJUVANTS: Not normally required.

SPRAY WATER CONDITION: The spray solution must be mixed and used on the day of application. **PROFICIENT** performance is impaired in calcium rich (>100 mg Ca per litre water) spray solutions. In these situations the use of a suitable conditioning agent to bind the calcium, such as spray grade ammonium sulphate at 0.25%, is recommended.

COMPATIBILITY: PROFICIENT can be tank mixed with most commonly used fungicides and insecticides. The label instructions for the tank mix partner take precedence ahead of the **PROFICIENT** instructions. Do NOT use a surfactant if the label of the partner product recommends not to. Do NOT mix **PROFICIENT** with calcium products or Solubor®. At least 3 days should separate a **PROFICIENT** application from any thinning, gibberellin, calcium or Solubor® applications.

THINNING: In apples **PROFICIENT** may in some instances suppress natural fruit drop in spring. Careful attention to thinning requirements is recommended and suitable action taken.

APPLICATION WEATHER CONDITIONS: Application under slower drying conditions gives better results than under fast drying conditions, but do not apply if rainfall is likely within eight hours of application.

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

WITHHOLDING PERIOD:

Apples - Do not harvest fruit within 56 days of the last application

Registered pursuant to the ACVM Act, 1997, No. P10178
See www.foodsafety.govt.nz for registration conditions.

Approved substance under the HSN0 Act 1996, HSR101225
See www.epa.govt.nz for Controls.

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 and distributed by:



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Batch No:

Date of Manufacture:

Proficient™ is a pending trademark registration for Grosafe Chemicals Ltd.

