

**ECOTOXIC**  
**KEEP OUT OF REACH OF CHILDREN**

**Esteem<sup>®</sup>**

**FUNGICIDE**

**Contains:** 50 g/litre Polyoxin D zinc salt in the form of a suspension concentrate

**For powdery mildew control in apples**



**PLEASE READ ENTIRE LABEL BEFORE USE. SHAKE OR STIR WELL BEFORE USE**

**HAZARD CLASSIFICATION;** 6.5B, 9.1C

**WARNING:** This product may be harmful. May cause skin sensitization from prolonged skin contact. Avoid skin contact.

**FIRST AID:** If swallowed do NOT induce vomiting. For advice contact the National Poisons Centre 0800 POISON (0800 764 766) or a doctor immediately. If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If splashed in eyes, wash out immediately with water.

**PERSONAL PROTECTION:** Avoid skin and eye contact and inhalation of spray mist.

When mixing or applying wear waterproof gloves, eye protection, boots and overalls. Do not eat, drink or smoke while using. Wash splashes of concentrate from skin immediately. Remove protective clothing and wash hands and face thoroughly before meals and after work. Wash protective clothing daily after work.

**ECOTOXIC:** Harmful to aquatic organisms with long lasting effects. Avoid contamination of any water supply with product or empty container.

**STORAGE:** Store in original container, tightly closed and in a dry, cool area away from foodstuffs. Store in accordance with NZS 8409 Management of Agrichemicals.

**DISPOSAL:** Triple rinse empty container and add rinsate to the spray tank. If recycling, discard cap and deliver clean container to an Agrecovery depot. Alternatively crush and bury in an approved landfill. Dispose of product only by using according to this label, or at an approved disposal facility.

**MATERIAL SAFETY DATA SHEET:** Additional information is listed in the MSDS available from Zelam Ltd or [www.zelam.com](http://www.zelam.com).

**Approved pursuant to the HSNO Act 1996, No: HSR101104.** See [www.epa.govt.nz](http://www.epa.govt.nz) for approval conditions.

**Registered pursuant to the ACVM Act 1997, No: P009155** See [www.foodsafety.govt.nz](http://www.foodsafety.govt.nz) for registration conditions.

**GENERAL INFORMATION:** Esteem is a protectant fungicide for use as a preventative treatment for disease control.

**Mandatory EPA Label Statements.** Maximum application rate is 2 litres/Ha. Maximum number of applications is six per 365 days. The minimum interval between applications is seven full days. Application must be by ground based methods only.

**It is an offence to use this product on animals.**

**DIRECTIONS FOR USE**

Rates indicated are for high volume application to the point of runoff. For water rates less than this (up to three times concentrate) adjust dilution rates accordingly.

CROP	DISEASE	RATE per 100 litres	DIRECTIONS
Apple	Powdery mildew	50 ml	Make applications as required during the period from November (fruitlets at least 20 mm in diameter) to pre-harvest. Re-apply every 7 to 14 days to maintain protection, using the close spray interval during periods of rapid growth, after significant rain, or when disease pressure is high. Use two consecutive applications before using alternative fungicides. Use no more than four total applications in any single season. See resistance management section.

**MIXING:** Slowly pour the correct amount of Esteem into the partly filled tank, and while agitating add the remainder of the water. Add any tank mixture products separately and adjuvant last. Maintain agitation during spraying and any stoppages. Only mix sufficient spray for immediate use. DO NOT leave the spray mix in the sprayer for extended periods such as overnight.

**ADJUVANTS:** Esteem does not require a surfactant for general use unless the chosen application technology requires one to maintain the target droplet size distribution. If the final spray mixture has a pH>8.0 consider the addition of an acidifying buffer.

**APPLICATION:** Esteem must only be applied through conventional ground rig equipment correctly calibrated to achieve good coverage of target surfaces. The chosen spray volume, the amount of product per hectare and the sprayer set up and operation may need to be changed as the crop grows and matures. It is essential that good coverage of the total leaf canopy is achieved. Do not apply on or over water.

**RAINFALL:** Esteem is rain fast once dry and should be reapplied after seven days if significant rainfall occurs.

**WITHHOLDING PERIOD:**

**Apples: 7 Days.**

**RESISTANCE MANAGEMENT:** GROUP 19 FUNGICIDE

Esteem contains polyoxin D, a fungicide with a chitin inhibiting mode of action. Certain strains of disease causing organisms may become tolerant to this fungicide due to natural variation and selection. If Esteem is used exclusively these strains may dominate a population and cause fungicide failure. To minimise any possible resistance risk use strictly in accordance with the label instructions. Apply Esteem preventatively or as early as possible in the disease cycle and use fungicides with a different mode of action at other times. For further information see: [www.resistance.nzpps.org](http://www.resistance.nzpps.org)

**NOTICE TO BUYER:** The manufacturer and vendors of Esteem warrant the formulation to contain the specified active ingredients within accepted tolerance but make no warranty of any kind on the uses of material and accept no responsibility, whether the material is used in accordance with the label directions or not.

**REGISTERED TO:** Zelam Limited, Hudson Rd, New Plymouth, NZ.  
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**EMERGENCY PHONE: 0800 CHEMCALL 0800 243 6225**