



## Dithane 945: Alternaria & late blight protection, essential nutrition & resistance management

**Dithane 945** contains mancozeb, a **tried-and-trusted multi-site fungicide** and an effective tank-mix partner for other chemistry types use in all blight resistance management strategies.

- ✓ **Good Alternaria activity** (minimum rate 1.88 kg/ha)
- ✓ Contributes to **late blight protection**
- ✓ Supports fungicides from different chemistry groups with alternative modes of action
- ✓ Use in mixtures or sequences – widely compatible with other fungicides
- ✓ **No known resistance**



*Alternaria solani*  
"early blight"



*Phytophthora infestans*  
"late blight"

**FRAG-UK** publishes information on the resistance status of important diseases relevant to UK agriculture along with integrated control and resistance management guidelines – [click here for Potato Late Blight information](#)

- Variety and seed selection, outgrade pile management and control of volunteers from previous crops are essential components of **successful integrated disease management programmes**.
- Start spray programmes promptly, timing applications according to risk and select appropriate nozzles and water volumes to achieve maximum coverage according to growth stage/canopy size.

### Essential nutrition

In addition to disease protection and supporting other fungicides with activity on Alternaria and late blight, Dithane 945 also supplies key trace elements **manganese and zinc**, which are essential for growing plants to function correctly.

- Manganese (Mn) **deficiency significantly impacts yield potential** by affecting enzyme processes, the energy cycle and nitrogen uptake. Deficiency symptoms typically appear in crops on high pH, high organic matter and sandy soils.
- Zinc (Zn) **deficiency affects plants' inherent disease resistance**, as well as impacting hormone production and root growth. Deficiency symptoms are most typical on high pH and low organic matter soils.
- Each application of **Dithane 945 contributes 320 g/ha Mn and 40 g/ha Zn** (at full label rate).

Rates & timings	
Active ingredient	Mancozeb 80% w/w (dithiocarbamate, FRAC group M3)
Formulation	Wettable powder
Application rate	2.0 kg/ha max dose, max 8 applications
Latest timing	7 days before harvest
Buffer zones	LERAP B

### FURTHER INFORMATION

Dithane 945 contains mancozeb.

Dithane 945 is a trademark of Indofil Industries (Netherlands) BV.

Details of application rates and timings are given in Nufarm labels and product literature, both of which can be accessed from our website [www.nufarm.com/uk](http://www.nufarm.com/uk). Alternatively, ring the Nufarm helpline on 01274 694714, Monday to Friday 9.00 - 17.00

Use plant protection products safely. Always read the label and product information before use. For label and safety information, refer to the Nufarm website [www.nufarm.com/uk](http://www.nufarm.com/uk). Nufarm UK Ltd, Wyke Lane, Wyke, Bradford, BD12 9EJ.



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