

# The superior copper for better results



- Optimal copper particle size for superior coverage and improved performance
- More uniform copper release means fast action combined with longer protection.
- Less impact on the environment due to lower metallic copper rates, without compromising excellent disease protection
- Reduced risk of phytotoxicity which ensures high yield and crop quality.

## Kumir

### Fungicide

Tribasic copper sulphate,  
345 g/l



We grow well. Together

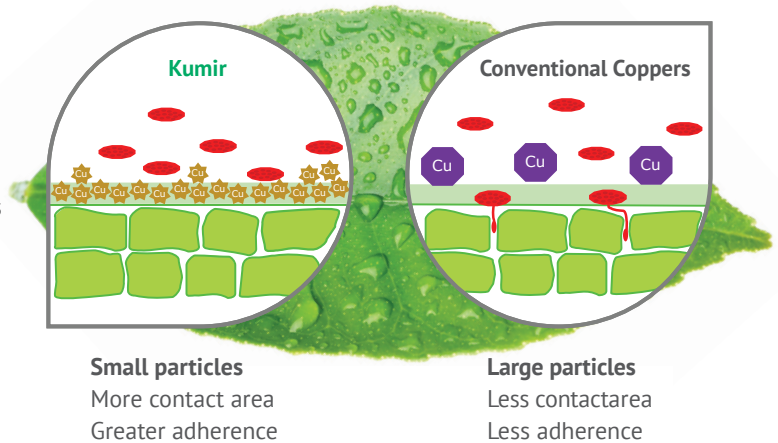
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crop protection

# Kumir –The superior copper for better results

Copper fungicides have been used by fruit and vegetable growers for many years as protectant treatments to prevent spore germination on the plant surface.

Copper sprays are protectant fungicides that must be applied evenly to the plant or fruit surface before the disease develops to prevent infection. Once the copper is applied it sticks only where it hits and does not spread across the fruit or leaf surface.

The key to successful disease protection with copper is maximising foliar coverage. Plant surfaces need to have a complete coverage of copper fungicide to defend the plant against infection. Any plant surface left untreated remains a potential disease infection site.



Smaller particles enhance disease management through better coverage, better rain-fastness and improved longevity of the copper ions on the plant surface.

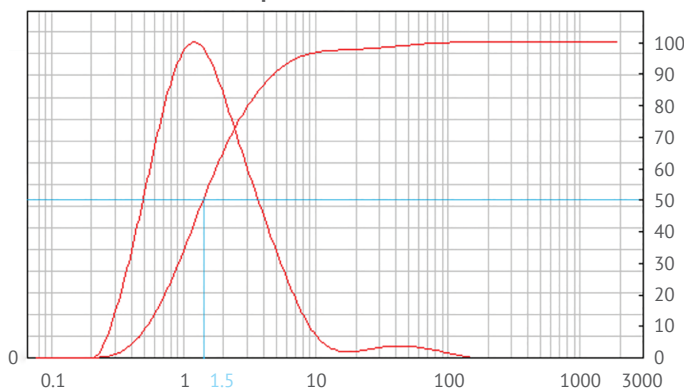
Some copper-based fungicides may reduce plant vigour. This reduction is caused by too many copper ions passing into the leaf and/or by undesirable impurities that can be present in some low-quality products.

**Kumir** is superior to many other copper formulations because of its unique copper ion release pattern. Upon application and in the presence of moisture, approximately 75% of the copper ions are released immediately. The remaining 25% of the copper ions require exposure to atmospheric carbon dioxide and moisture to be released. This two-step release process means **Kumir** delivers a quick knockdown followed by a slower, more uniform release, providing extended protection.

To further enhance the performance of this novel product, **Kumir** was blended with high-quality wetting and dispersing agents to produce a liquid copper fungicide of exceptional quality.

**Kumir** is the most technologically advanced copper fungicide in the market and is designed for the growers who seek a fungicide/bactericide with performance benefits that exhibits superior control, storage & mixing characteristics.

**Kumir** particle size distribution



Researches have demonstrated that the efficacy of a copper fungicide is improved considerably by reducing the particle size.

**Kumir** is a unique liquid formulation that contains tri-basic copper sulphate as the active ingredient. The ultra-fine particles of **Kumir** (Median particle size = 1.5 microns) provide a greater surface area than alternative products with larger particles. This allows the copper to exert its full potential against fungi and bacteria.

CROPS	RATE – L/Ha	CONTROLLED DISEASES	TIMING	REMARKS
Various Fruits, Vegetables, Citrus, Coffee, Tea, Macadamia, Ornamentals	3-5 (depends on a crop)	See respective label for details and limitations		

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