

## Kusabi® 300 SC FUNGICIDE

**Reliable chemistry for powdery mildew programs**  
**Kusabi contains 300 g/L pyriofenone (MOA Group 50)**



### The Product

Kusabi® 300 SC is a persistent fungicide for the control of powdery mildew in cucurbits.

Kusabi contains the active ingredient pyriofenone. It is the second product to be commercialised from the actin disruption (Group 50) chemical group.

Actin provides strength to the outer structure of fungi, and in its absence, powdery mildew cannot enter the plant or grow normally.

Kusabi has strong vapour activity which supports optimal spray coverage.

### Application Rate

Kusabi is registered at 300 or 500 mL/ha. Use the higher rate when disease pressure is high. Apply in a spray program with other fungicides at 7 to 10 day spray intervals.

Kusabi should be applied at 500 mL/ha in a medium to high water volume (500 to 1000 L/ha) as a protectant treatment for crops grown in areas where powdery mildew occurs frequently and disease levels are normally high.

Kusabi can be used at 300 mL/ha when powdery mildew pressure is normally at lower levels, or when mixed with Du-Wett® Low Volume Application Spreader.

### Safety

Kusabi has an excellent toxicological and environmental profile when used as directed. In a trial to assess the safety of the beneficial species green lacewing, Persimilis and Trichogramma, Kusabi was not acutely toxic. Kusabi has also been assessed by the APVMA as not toxic to bees.

### Timing

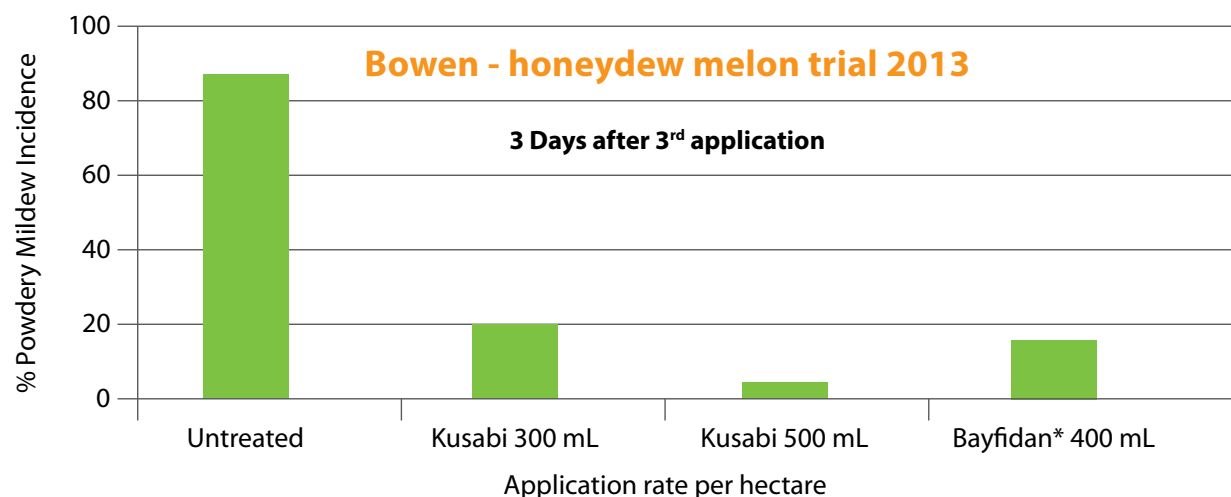
Kusabi is a new fungicide for the control of powdery mildew in cucurbits. Kusabi performs best when applied as a protectant fungicide to a clean crop. An excellent partner to rotate with other fungicides, Kusabi is ideally suited to follow Flute® in a fungicide spray program from flowering.

### Summary

1. Kusabi is a powdery mildew fungicide developed and manufactured by ISK, an R&D company from Japan.
2. Kusabi is a single-site fungicide that is subject to a resistance management strategy. This limits the number of applications to three per crop, with strict alternation of chemical groups.
3. **Rainfast:** 1 hour.
4. **Compatibility:** Kusabi has demonstrated physical compatibility with a wide range of commonly used insecticides and fungicides, however not all products have yet been tested. For updated information, please refer to [agnova.com.au](http://agnova.com.au)
5. **Crop safety:** Excellent crop safety when used as directed.
6. Apply to a clean crop after the application of a fungicide such as Flute, as part of a complete disease control program.
7. **WHP:** Not required when used as directed.

### Field Data

Field trials across Australia have shown Kusabi to be highly effective for the control of powdery mildew.



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### Resistance Management Strategy for Cucurbits

Do not use more than three applications of Kusabi per crop. This is consistent with the CropLife Australia resistance management guidelines to reduce the risk of the development of fungicide resistance. See <https://www.croplife.org.au/resources/programs/resistance-management/cucurbits-powdery-mildew-3/>.



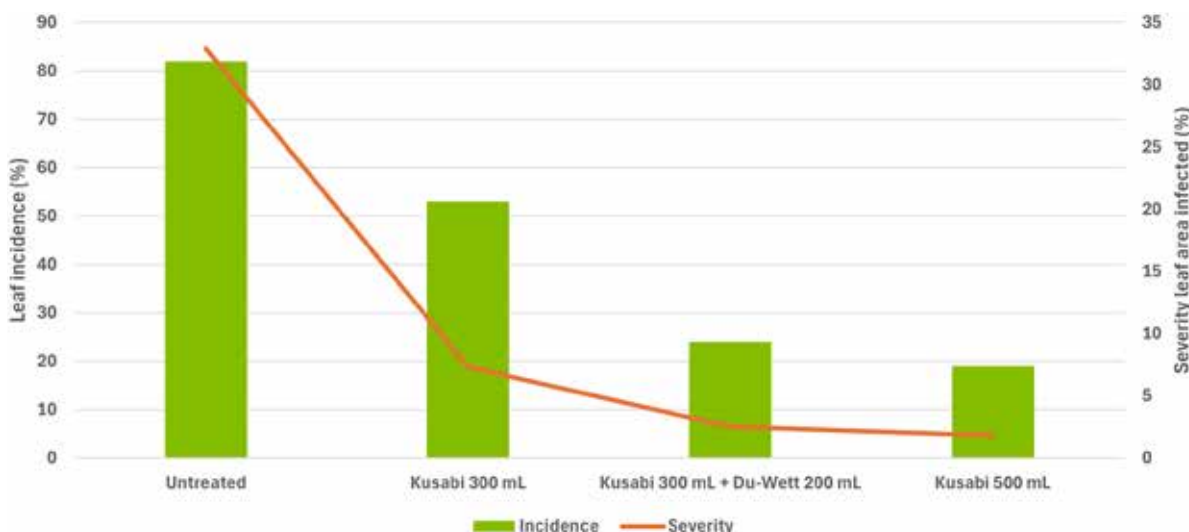
### The Addition of Du-Wett

Du-Wett is a non-ionic organosilicone super-spreader surfactant. It has been designed specifically for use with low water volume application to enhance the adhesion, spreading, and deposition of foliar fungicides.

Kusabi has translaminar and vapour activity, however, it is not systemic within the plant. Therefore, maximising the spray coverage on the crop's foliage will greatly benefit the performance of Kusabi in controlling powdery mildew, especially when using the lower labelled rates.

Du-Wett should only be used when water volumes are concentrated (usually <250 L/ha) to ensure the spray will not run-off the foliage. If the applied spray is going beyond the point of run-off, either reduce the rate of Du-Wett, or further decrease the water volume. Kusabi mixed with Du-Wett has demonstrated good crop safety, however, the use of Du-Wett has not been tested on all cucurbit crops. It is recommended to conduct a small scale crop safety test before treating a large area.

### Powdery mildew infection - Zucchini cv. Black Regal. Gatton, QLD. 2015



CROP STAGE						
DOMINANT DISEASE	ESTABLISHMENT	FLOWERING		FRUIT SET		FRUIT MATURITY
Powdery mildew	Group 3, 7, (7+11), 11 or 13	Group 3, 7, (7+11), 11 or 13	FLUTE (U6)	KUSABI (50)	FLUTE (U6)	KUSABI (50)

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