

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 grapes.

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

Actin provides strength to the outside 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 and berry protection.

Application Rate

Kusabi is registered at 30 mL/100 L for dilute use in grapevines. Do not apply at concentrations greater than 3X (i.e. concentrated volumes that require rates greater than 90 mL/100 L.)

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.



Directions for Use Table

The following is an extract of the product label and does not constitute the complete directions for use.

The product label should be read thoroughly before opening the packaging.

CROP	DISEASE	RATE	WHP	CRITICAL COMMENTS
Grapevines	Powdery mildew (<i>Erysiphe necator</i>)	Dilute Spray: 30 mL/100 L Concentrate Spray: Refer to the application section	5 weeks	When conditions favour disease development apply Kusabi at 7 to 10 day intervals. DO NOT wait for disease to appear. Use the shorter interval when infection pressure is high. Ensure thorough coverage of plants using a water volume appropriate to canopy size. Do not use more than 2 applications of Kusabi per crop.

Timing

Kusabi is a new fungicide for the control of powdery mildew in grapes. 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 to early bunch closure.

Summary





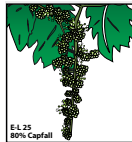















1. Kusabi is a powdery mildew fungicide developed manufactured by ISK, an R&D company from Japan.
2. Kusabi is a single-site fungicide subject to a resistance management strategy and AWRI requirements that limits the number of applications to two per crop.
3. **Rainfast:** 1 hour.
4. **Compatibility:** 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
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:** 5 weeks for grapes grown for domestic wine production. E-L 31 (Berries pea-size) for grapes grown for export wine production.

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Kusabi Summary

FEATURE	ADVANTAGE	BENEFIT
Locally systemic properties	Translaminar movement	Protects upper and lower leaf surfaces
Strong vapour action	Provides control for hard-to-wet surfaces e.g. Developing bunches	Better surface area protection
Excellent rotational option for resistance management	Introduces another mode of action	Reduces the chance of fungicide resistance
Quick adsorption onto plants	Excellent rainfastness	No need to re-spray immediately after rain
Highly active with good residual activity	Good fungicidal persistence	Robust contribution to spray programs

Vineyard Products Timeline

E-L GROWTH STAGES	E-L 2 Bud burst	E-L 12 Shoots 10-15cm	E-L 18 Flowering	E-L 25 80% Capfall	E-L 31 Berries pea-size (7 mm diam.)	E-L 33 Bunch closure	E-L 35 Veraison	E-L 38 Harvest
								
	E-L 2 Bud scales opening	E-L 12 Shoots 10 cm, inflorescence clear	E-L 18 Caps changing colour	E-L 25 80% Capfall	E-L 31 Berries pea-size (7 mm diam.)	E-L 33 Berries still hard and green	E-L 35 Berries begin to colour	E-L 38 Berries harvest-ripe
FUNGICIDES								
								
								
				1				
				2				
OTHER PRODUCTS								
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			4					
			4					
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		<<SPRING						AUTUMN>>
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Always read and follow product labels.

- Do NOT apply MIGIWA to table grapes. Up to two applications of MIGIWA can be applied per season, with the final application no later than the growth stage E-L 29 (berries peppercorn size (not >4 mm in diameter)). Application to grapes grown for export wine production in Australia: Do not apply more than one spray per season, apply no later than the growth stage E-L 29.
- WHP: Dimethomorph application to grapes grown for export wine production in Australia. Zampro or other products containing dimethomorph can be applied up to growth stage E-L 31 (berries pea-size 7 mm in diameter) provided that only ONE application is made per crop of ANY of these products. If more than one application is to be made, the current E-L 25 (80% capfall) restriction applies in order to avoid a detectable residue in wine. Always check with the AWRI for current WHPs for export wine.
- Do NOT apply Surround to table grapes after E-L 26 (capfall complete).
- Do NOT apply Boronia Mo, Fetrilon Combi 2 or Wuxal to table grapes after E-L 20 (10% capfall).
- If applying Metarex Inov in the month before harvest, consult your winery or fruit agent.
- KATANA can be applied during dormancy through to 11 weeks before harvest. Do NOT spray suckers. Only use on vines >3 years old. Contact your winery or grape purchaser prior to the use of KATANA.
- Do NOT spray HELLCAT onto suckers. Only use on vines >2 years old, unless shielded by a physical barrier.

Information and data referred to herein were generated using products and rates that were registered at the time, may include extracts from the product label and does not constitute the complete directions for use. Always read and follow product labels.

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