



Vivando® Q&A

Grapes Quick Fire Fact Sheet

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Systemic fungicide for the control of powdery mildew in grapes, pumpkin and winter squash

	Why use Vivando?	<ul style="list-style-type: none">- New mode of action- Flexible use in the spray program- Provides excellent protection for bunches and foliage- Approved by New Zealand Wine- Nil (<0.01) residue in wine
	Grape diseases controlled?	Powdery mildew in grapes
	Product type?	Protectant and anti-sporulant fungicide for grapes
	Active ingredient/formulation?	500 g/L metrafenone suspension concentrate
	Application rate?	20 mL/100 L water, applying to point of runoff (per hectare rate dependent on row spacing and canopy volume)
	Water rate?	Sufficient to achieve full coverage
	Adjuvant?	Not usually required (if required – use non-ionic surfactant)
	Rainfastness?	Once dry on crop
	Compatibility?	With most commonly used insecticides and fungicides
	Pack size?	1 L (Agrecovery® friendly)
	Application timing?	10-21 day intervals in a protectant programme, alternating with fungicides from different modes of action e.g. triazoles. Use shorter interval when heavy infection pressure occurs
	Systemic activity?	Vivando has translaminar systemicity as well as limited vapour phase movement. Best results are achieved with full coverage of the target. Vivando has a strong affinity to the waxy cuticle of leaves and berries, meaning once dried it stays put
	Resistance management?	<ul style="list-style-type: none">- Vivando is a Group 50 fungicide- Use no more than two Vivando applications, preferably in sequence in any season
	Last application?	42 days before harvest
	Vineyard grazing?	Do not graze stock within treated vineyards until after harvest
	Leaf plucking with sheep?	Observe a 2-month slaughter withholding period after removing from vineyard

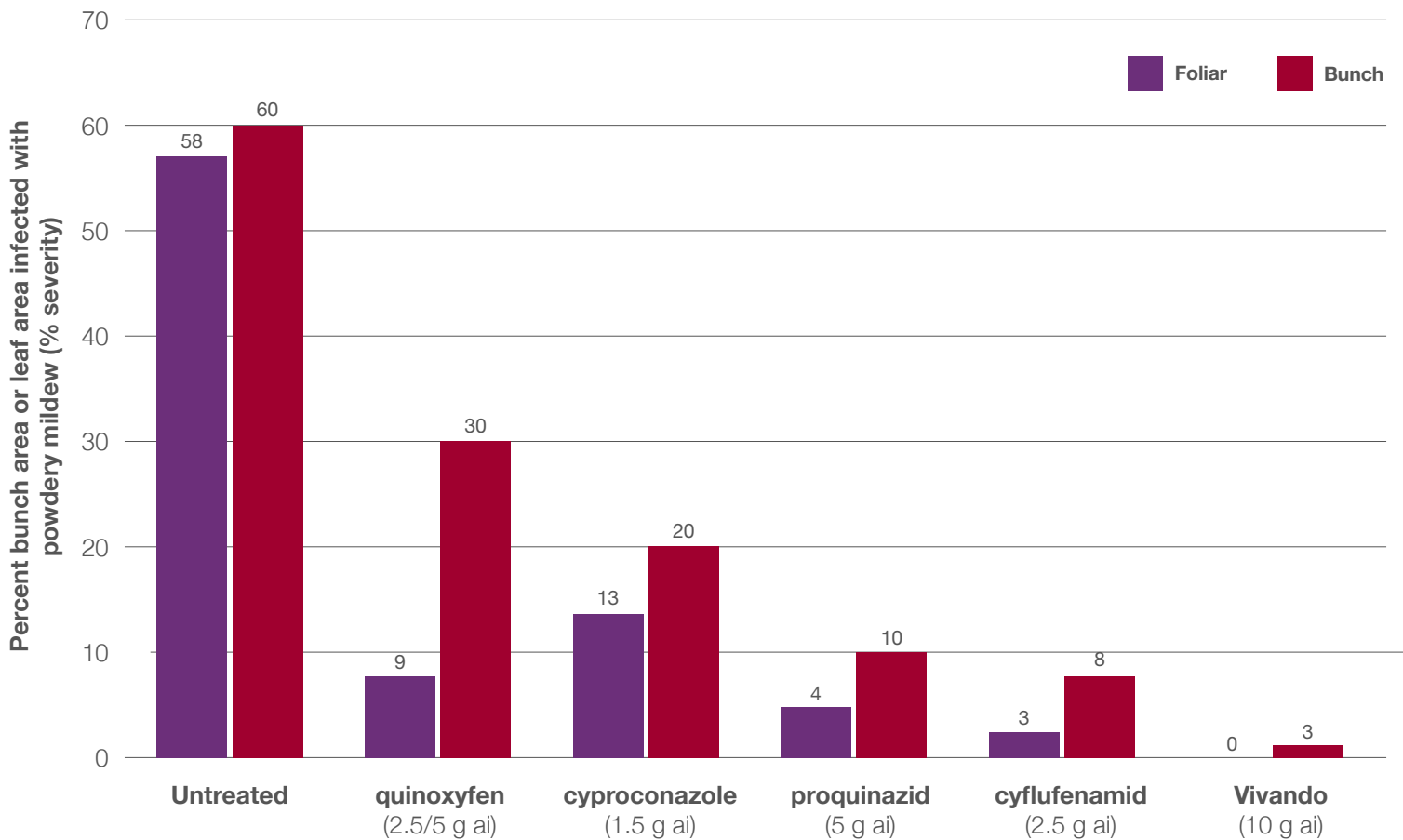


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Vivando powdery mildew comparison trial – Sauvignon Blanc, Hawkes Bay 2015/16



Note: Applied in 4 sequential applications, 11-28 days apart

per 100 L water

Vivando powdery mildew comparison trial - Sauvignon Blanc, Marlborough 2016/17

Treatment	% leaves infected	% leaf area infected	% bunches infected	% bunch area infected
Untreated	97.0 a	38.9 a	96.0 a	25.2 a
Vivando programme	5.0 c	0.8 b	0.0 b	0.0 b
Standard programme	16.0 b	1.5 b	1.0 b	1.3 b
Turkey's HSD P=0.05	8.5	6.7	6.3	6.3
Treatment Prob (F)	<0.001	<0.001	<0.001	<0.001

Powdery mildew pressure was reported to escalate from 20th December 2016 onwards (assessed 4th March)

Timing	Vivando® programme	Standard programme
80-100 % capfall	Vivando	proquinazid + Kumulus DF
Pea size	Vivando	cyflufenamid
Pre-bunch closure	proquinazid + Kumulus DF	proquinazid + Kumulus DF
Pre-Veraison	cyflufenamid	cyflufenamid