

# Current citrus postharvest fungicides

by John Golding. New South Wales Department of Primary Industries

The following tables provide a list of chemicals that are registered for use in Australia (June 2019). But before use, it is essential to check that these chemicals are still registered and can be used in your state by checking at the APVMA website - Public Chemical Registration Information System Search (<https://portal.apvma.gov.au/pubcris>). In addition it is critical that all postharvest chemicals are accepted in the markets, as many overseas countries have different restrictions on the postharvest fungicides we can use. For example, guazatine is not allowed in some export markets and cannot be used. Please consult with up-to-date MRL tables for each market and also consult with the Citrus Australia website or David Daniels the Market Access Manager at Citrus Australia.

<b>Registered chemicals for the postharvest control of green and blue mould</b> (caused by <i>Penicillium digitatum</i> and <i>Penicillium italicum</i> )*				
Active ingredient	Examples of trade names <sup>1</sup>	Class of Fungicide	Group of Fungicide	Controls other pathogens
Thiabendazole (TBZ)	Vorlon®, Tecto®	Benzimidazole Group	1	Stem End Rot, <i>Phomopsis citri</i>
Imazalil	Magnate®, Fungaflor®	DMI Group (Demethylation Inhibitors) (Imidazole)	3	
Imazalil + Pyrimethanil	Philabuster®	DMI and Anilinopyrimidine Group	3 + 9	
Fludioxonil	Scholar®	Phenylpyrrole Group	12	Diplodia Stem End Rot
Guazatine <sup>2</sup>	Zanoctine®, Panoctine®	Multi-site activity (Guanidine)	M7	Sour rot
Propiconazole + Fludioxonil	Chairman®	DMI and Phenylpyrrole Group	3 + 12	Sour rot
Sodium ortho-phenylphenate (SOPP)	Preventol® ON Fungicide			Blue mould only

\*These chemicals are registered for use as at June 2019. Please check APVMA website to check their registration and use in your state - Public Chemical Registration Information System Search (<https://portal.apvma.gov.au/pubcris>)  
It is critical to check that these chemicals are allowed in certain export markets.  
<sup>1</sup> other Trade names exist. Please see APVMA website for all registered chemicals.  
<sup>2</sup> Check that this is registered in your state / territory

<b>Registered chemicals for the postharvest control of sour rot</b> (caused by <i>Galactomyces citri-aurantii</i> )*				
<b>Active ingredient</b>	<b>Examples of trade names<sup>1</sup></b>	<b>Class of Fungicide</b>	<b>Group of Fungicide</b>	<b>Controls other pathogens</b>
Guazatine <sup>2</sup>	Zanoctine®, Panoctine®	Multi-site activity (Guanidine)	M7	Green and Blue mould
Propiconazole + Fludioxonil	Chairman®	DMI and Phenylpyrrole Group	3 + 12	Green and Blue mould

\*These chemicals are registered for use as at June 2019. Please check APVMA website to check their registration and use - Public Chemical Registration Information System Search (<https://portal.apvma.gov.au/pubcris>)

It is critical to check that these chemicals are allowed in certain export markets. **For example guazatine is not allowed in some export markets and cannot be used.**

<sup>1</sup> other Trade names exist. Please see APVMA website for all registered chemicals.

<sup>2</sup> Check that this is registered in your state / territory

*Disclaimer*

Articles are the best information available to the authors at publication. Mention of a pesticide or a commercial or propriety product does not constitute an endorsement or recommendation of its use. New South Wales Department of Primary Industries (NSW DPI) makes no warranty of any kind expressed or implied concerning the use of technology mentioned in this document.

This article is a contribution from the Australian Citrus Postharvest Science Program (CT15010) funded by Horticulture Innovation and NSW Department of Primary Industries. Levies from Australian citrus growers are managed by Horticulture Innovation and contributed to funding this project. The Australian Government provides matched funding for all Horticulture Innovation’s research and development activities.