

# Fungicide Program for Stonefruit

DOMINANT DISEASE(S)	CROP STAGE									
	Early budswell	1-10% bloom	Mid/full bloom	Petal fall/shuck fall	Fruit development		Pre-harvest	Post-harvest	Leaf fall	
Blossom blight, Brown Rot, Transit Rot		Barrack 720 x2	Tyrant	Fortress	Thiragranz	Captan <sup>1</sup> x4	Corvette	Corvette or Bavistin <sup>4</sup>		
Shot hole, Leaf curl, Rust, Freckle	Cuprofix <sup>2</sup> x2	Barrack 720 x2				Delan or Polyram x4			Cuprofix	
Bacterial Gummosis	Cuprofix <sup>2</sup> x2					Cuprofix <sup>2,3</sup> x2			Cuprofix <sup>2</sup> x3	
All diseases above (full program)	Cuprofix <sup>2</sup> x2	Barrack 720 x2	Tyrant	Fortress	Thiragranz	Cuprofix <sup>2,3</sup> + Delan or Polyram x2	Captan <sup>1</sup> x2	Corvette	Corvette or Bavistin <sup>4</sup>	Cuprofix <sup>2</sup> x3

<sup>1</sup> Do not apply Captan to apricots. Use Delan instead on apricots or Polyram for rust control on apricots. <sup>2</sup> Cuprofix is only registered on apricots and cherries for Bacterial gummosis. <sup>3</sup> A lower rate of Cuprofix (312g/100L) may be used after petal fall. <sup>4</sup> Do not use Bavistin as a post harvest dip if bezimidazole resistance is known or suspected. Resistance: All uses comply with AFRMG recommendations for fungicide resistance management.



# Fungicide Program for Stonefruit Spray Guidelines

This spray program for stonefruit is designed to give you the best options for disease control at strategic times throughout the season in all stonefruit growing regions.

**Withholding Period:** All products are recommended in positions within the spray program so that both local (Australian) withholding periods and recommended overseas market withholding periods are complied with. For example, Captan 900WG is recommended instead of Delan® 700WG for late cover sprays for brown rot because it has a 7 day withholding period instead of 21 days.

**Fungicide Resistance Management:** The maximum number of sprays as recommended by Australian Fungicide Resistance Management Group (AFRMG) is always adhered to so as to minimise the risk of resistance developing. In some cases the number of sprays of a product in the program may be less than the recommended maximum, but never more. For example, a maximum of 2 consecutive DMI sprays are recommended by AFRMG for brown rot control in stonefruit. In accordance with this we recommend one application of Tyrant® is recommended before switching to another group. We also only recommend one Bavistin® as a post harvest dip because of the risk of resistance presence from brown rot.

**Integrated Pest Management:** We have considered the effect of fungicides on biological control agents such as predatory mites. Fungicides that are known to have an adverse affect are generally not included in the spray program unless there is no alternative product with a better IPM profile. We have not recommended some fungicides that have been commonly used in stonefruit because there is now ample evidence that they have a damaging affect on a range of predatory mites that assist in the management of two spotted mite in stonefruit. Instead we recommend the alternative protectants Barrack® 720, Cuprofix® Disperss® and Delan 700WG which control diseases such as leaf curl, freckle, rust and shot hole, because they have an excellent IPM profile.

**Mode of action:** To further reduce the chance of fungicide resistance developing, we have recommended products with different modes of action where possible. Fungicides are also

recommended at times of the disease life cycle where they will be most effective according to their mode of action.

For example as well as the standard Group Y multisite protectant fungicides for blossom blight and brown rot control, two alternative chemistry group fungicides with different modes of action and post infection activity, Tyrant (DMI) and Fortress®/Corvette® (Dicarboximide) have been included in the program.

**Cost Effectiveness:** We have recommended the product that costs less where there are 2 alternative products or product combinations that will fulfil a similar role. Although both Captan WG and Delan 700WG could be recommended as cover sprays up to ripening to control Brown Rot, Captan WG is recommended because it is more cost effective at this stage of the spray program.

**Crop Effects:** Where there is a risk of increased skin blemish or other undesirable affects after the use of a product it is not recommended if alternative products are available. Barrack 720 is not recommended in the program after flowering, due to a risk of skin damage to some varieties of stonefruit under some conditions. Delan 700WG and Captan WG are recommended instead.

**Effects on Pollination:** Products that have an adverse affect on bees, are not recommended in the spray program during flowering.

**For more information, please contact your local Technical Sales Representative.  
Customer Service (Australia-wide):  
1800 111 454, or visit [www.cropcare.com.au](http://www.cropcare.com.au)**

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