



ADAMA

# Solaris® 300

## Highly active against disease in Almonds

### Product overview

Solaris® 300 is a unique EC formulation of cyprodinil that is highly active against disease in Almonds such as Blossom Blight/Brown Rot, Rust and Shot Hole.

It is a new and effective mode of action in Almonds that will assist with resistance management.

Solaris 300 is now registered for use in Almonds as well as in Apples, Pears, Apricots, Nectarines, Peaches, Plums and Grapes.

Cyprodinil is a systemic compound that is taken up into the cuticle and waxy layers of leaves and fruit and is locally redistributed. Solaris 300 is a convenient, easy to handle liquid, and is formulated to withstand cold temperatures.

### Mode of action

**GROUP 9 FUNGICIDE**

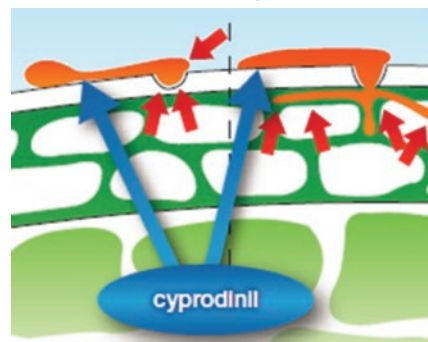
Cyprodinil inhibits the biosynthesis of methionine and acts on secretion of hydrolytic enzymes. This mode of action is specific for the anilinopyrimidine group of fungicides which include cyprodinil, pyrimethanil and mepanipyrim. Anilinopyrimidines show no cross-resistance with other fungicide groups.

Solaris 300 is currently the only group 9 fungicide that is registered for use in Almonds in Australia.

### Features and benefits

- Proven control of the key diseases in Almonds
- New mode of action and tool for resistance management in Almonds.
- Unique formulation that is easy and safe to use even in cold temperatures
- Systemic action and effectiveness
- Broad label with a wide range of crops.

Penetration Mycelial Growth



### Application

Apply the same total amount of product to the target crop whether applying this product by dilute or concentrate spraying methods.

DO NOT use at concentrate rates greater than 280 mL/100 L of water.

Blossom Blight/Brown Rot and Shot Hole should be managed from bud swell using a season-long spray program including fungicides from different mode of action groups.

Apply up to two applications of Solaris 300 from early (10%) bloom to petal fall, with a minimum 7 day interval between applications. From shuck fall, apply other registered fungicides if required on a 14 day spray interval.

DO NOT apply Solaris 300 in Almonds after petal fall.

### Resistance management

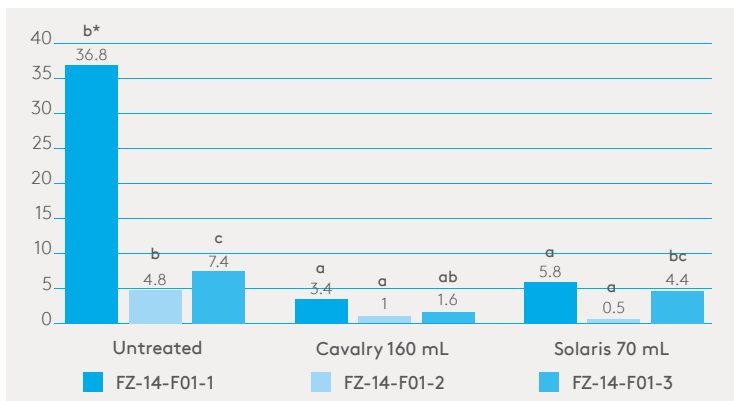
DO NOT apply more than two applications of Solaris 300 per season in Almonds. Applications of Solaris 300 during flowering for Blossom Blight/Brown Rot and Shot Hole will also control early season rust infections.

Additional sprays of fungicides from other mode of action groups should be made post-flowering if conditions are favourable for rust infection.

# Solaris® 300

## Brown rot control

Brown Rot/Blossom Blight Infection at Shuck Fall (% Incidence)



Trials were conducted on commercial almond orchards near Willunga in the Southern Vales district of SA during the 2013/14 season.

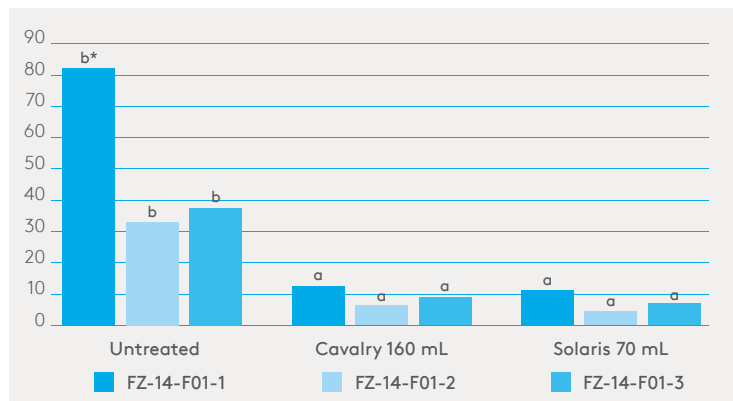
Treatments were applied as dilute sprays to the point of runoff at approx. 1000 L/ha.

Assessments for Brown Rot at all 3 sites were conducted at shuck fall following 2 earlier applications of all treatments at 10% bloom and 90-100% bloom.

\*Values with the same letter(s) within each trial are not significantly different (LSD) P=0.05

## Shot hole control

Shot Hole Leaf Infection at Mid Season (% Incidence)



Trials were conducted on commercial Almond orchards near Willunga in the Southern Vales district of SA during the 2013/14 season.

Treatments were applied as dilute sprays to the point of runoff at approx. 1000 L/ha.

Assessments for Brown Rot at all 3 sites were conducted at shuck fall following 2 earlier applications of all treatments at 10% bloom and 90-100% bloom.

\*Values with the same letter(s) within each trial are not significantly different (LSD) P=0.05.



## Low impact on bees

Solaris 300 is listed as being of low hazard to bees, which is stated on the product label.

The University of California Statewide IPM Program lists cyprodinil as a Group III product, which have no bee precautions required.

This is an important property of Solaris 300 for use in Almonds as pollination is very important.

This will allow orchard managers and beekeepers better flexibility during the blossoming period, when Solaris 300 is recommended for application.



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