

## PERMINUTUS

*Coccidoxenoides perminutus* (often referred to as Cocci's) are small wasps which originate from Hawaii & now occur widely throughout the world. They are **extremely effective** parasites of Citrus & Vine mealybug and provide control of both low- & high-density infestations.



Citrus, grapes & ornamentals.

### EFFECTIVE AGAINST



Vine mealybug (*Planococcus ficus*)  
Citrus mealybug (*Planococcus citri*)



### STORAGE



Available in:

1000, 1500 or 3000 pupae  
in biodegradable cylinders

### APPLICATION INSTRUCTIONS

The pupae can be stored prior to release if necessary but not for longer than 3 days.

- Pupae will begin to hatch on the hatching date (approximate) indicated on the packaging.
- Remove the sticker from the cylinder exposing the exit hole.
- Place the sticker on the tree so that you can locate the release site at a later date.
- Position the cylinder inside the tree at head height & if possible, in close proximity to mealybug.
- Once the parasitoids begin to hatch, they will be attracted to the exit hole by sunlight & emerge.
- The parasite is difficult to detect in the early stages of release.

### RELEASE TIPS

Perminutus are best released in spring & early summer, before mealybug populations build up to high levels. It is important to determine the type of mealybug present before considering the use of Perminutus since the parasite is not very effective against species other than Citrus & Vine mealybug. Do not release Perminutus too soon after applying toxic chemicals & avoid harsh chemical applications after insects are introduced.