

## Now Registered for Apple Dimpling Bug Control

**Calypso® 480 SC** Insecticide from Bayer CropScience represents a significant breakthrough in the control of apple dimpling bug, providing apple growers with an effective tool for managing this serious pest. Apple dimpling bug (*Campylomma liebknechti*) (ADB) is the most damaging early season pest of apples and in some seasons can result in a significant amount of crop loss. This is mainly as a result of early feeding damage on embryonic fruit that later manifests itself as deformed unmarketable fruit at harvest. As the apple fruit sets and increases in size it becomes less susceptible to ADB injury. Apple dimpling bug is a widespread pest that occurs throughout all apple-growing districts of Australia and routine early season insecticide sprays are required in most seasons for effective control. Insecticides that are currently available to control or manage ADB have increasingly limited flexibility in today's orchard pest management due to a lack of compatibility with IPM programs and concern over safety to bees.

### Frequently asked questions:

#### **How many applications of Calypso can I use for ADB control?**

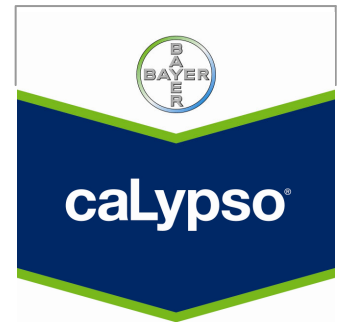
A maximum of two (2) applications of Calypso can be used during flowering for the control of ADB. Apply an initial spray from pink stage to petal fall when pest numbers reach accepted threshold levels as indicated by monitoring. A second spray may be necessary under high pest pressure.

#### **Can Calypso be used with bees foraging?**

Several overseas studies have confirmed the safety of Calypso to essential pollinators such as honeybees. Due to the low toxicity of thiacloprid to honeybees, Calypso is suitable for application during the flowering period. However in line with good agricultural practice, application of Calypso should be avoided when bees are actively foraging. Therefore it is best to apply Calypso either early in the morning or late in the afternoon or evening.

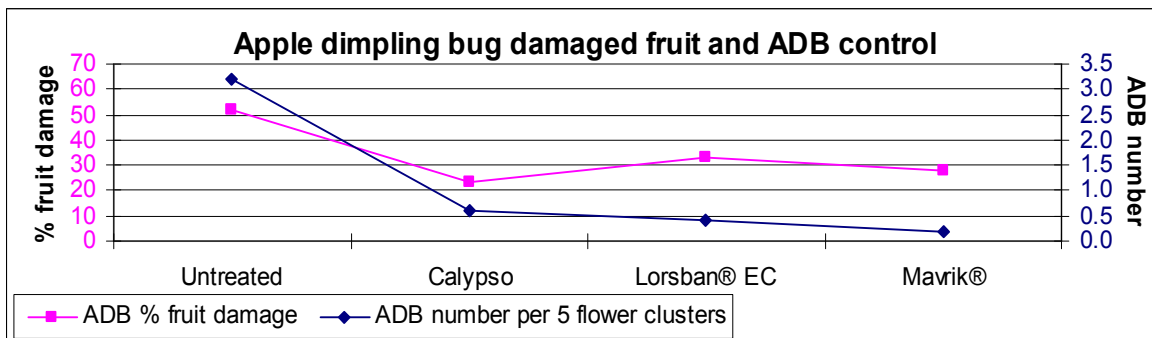
#### **Is Calypso IPM compatible?**

Calypso has a very good technical fit for IPM programs, as it has a relatively low impact on most beneficial species including beneficial mite species and will not lead to mite flare.



## Will Calypso kill all ADB in the orchard?

Calypso will significantly reduce fruit damage caused by ADB, however a substantial reduction in pest numbers may not always be evident. The level of fruit damage which may occur is similar to that from some current standard practices.



Trial RTL 589  
 Stanthorpe, Qld.  
 2000/01

## Can I use Calypso as a concentrate spray for ADB?

No. Best results are achieved when dilute spraying. Complete coverage of flower parts and developing fruitlets is required for optimum results.

### DIRECTIONS FOR USE

CROP	PEST	RATE	CRITICAL COMMENTS
Apple	Apple dimpling bug	<b>Dilute spraying</b> 37.5 mL/100L	<p>Correctly timed applications of Calypso will significantly reduce fruit damage caused by apple dimpling bug, however a substantial reduction in pest numbers may not always be evident.</p> <p>Apply an initial spray from pink stage to petal fall when pest numbers reach accepted threshold levels as indicated by monitoring.</p> <p>Spray thoroughly to ensure complete coverage of flower parts and developing fruitlets, using dilute spraying equipment (concentrate spraying is not appropriate for this use).</p> <p>A second spray (up to a total of two Calypso applications during flowering) and/or other control measures may be necessary under high pressure.</p>

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Calypso SW07  
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