



## Cicada Management Kiwifruit 2011-12

### Summer Treatment :

**Target:** Emerging Nymphs before they can moult to become adults.  
**Timing:** Weed Strip application made from late December to mid January  
**Treatment:** Spray soil with Talstar®100 EC at 2 litres/ ha plus Slikka® Super Spreader at 1 litre/ha

**Spray Target area:** Treat the weed strip (min. 1 metre) each side of vine rows and shelter belts.  
*(For heavily infested blocks, treatment of the entire orchard floor should be considered.)*

- Critical comments:**
- A.** Sprayer set up must ensure no spray drift into the crop. It is mandatory not to get any residues of Talstar on the fruit.
    - Use coarse air induction nozzles or flood jets.
    - Use the lowest pressure recommended for the nozzles used
    - Keep travel speed below 10 kph to minimise drift.
  - B.** Mow grass areas before treatment to minimise elevated sites for Cicada to climb.
    - Remove clover flowers and the potential for bees to be foraging (Do not apply if Bees are foraging)
  - C.** The effectiveness of this treatment will be seen by reduced Cicada presence in the Orchard later that summer. Populations that move in from adjacent areas will not be controlled.

### Weed Strip Treatment 2 Trial Results 2011

Treatment – Rates in litres/ha	On Trunk-Post		1m area of canopy	
Untreated Control	4.00	a-e	9.40	a-d
Talstar 100EC 2.0 L + Slikka 1.0 L	0.00	e	0.40	e

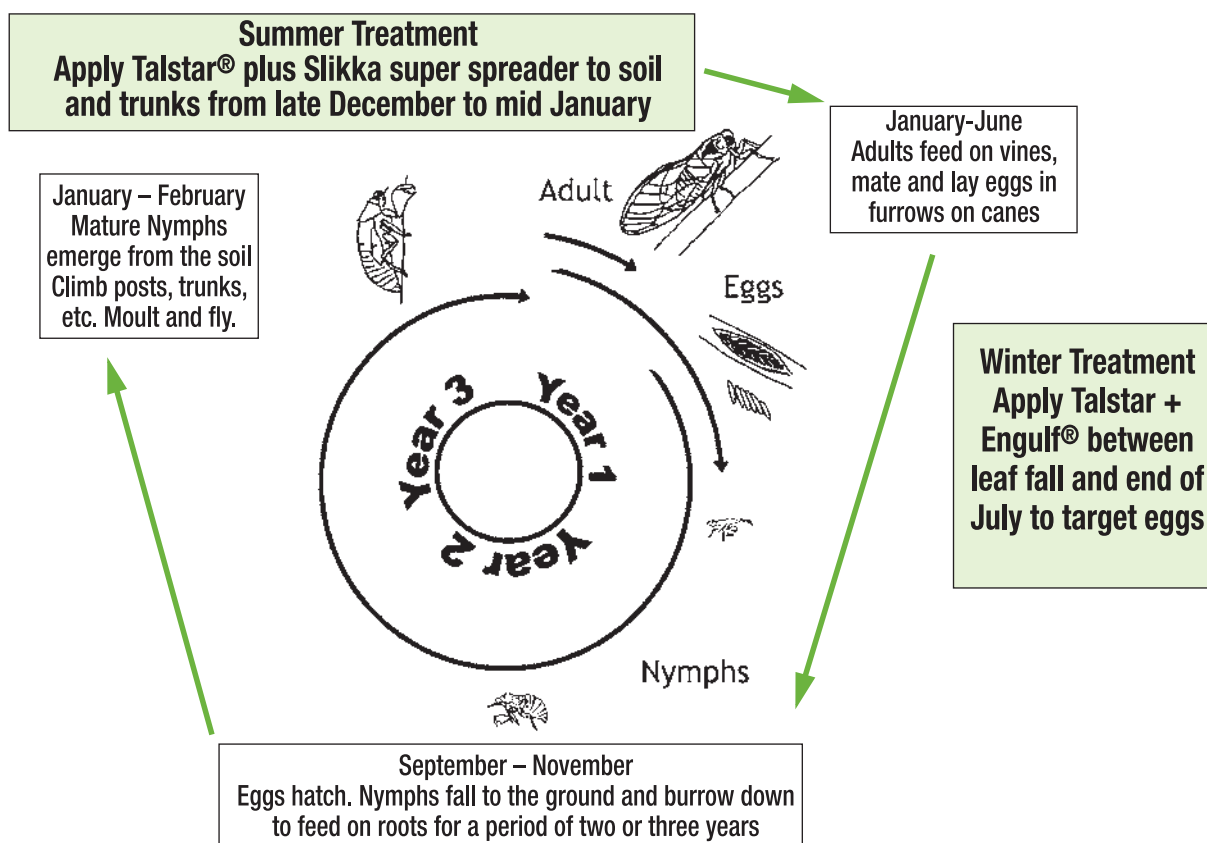
# ResearchNote



The Chorus Cicada has become an increasing problem in many Kiwifruit Orchards over recent years. Historically, most Cicada occurring in Orchards migrated in from an outside population, affecting the boundary crop areas the most, however many Orchards now have an endemic population that resides inside the orchard which can multiply to epidemic levels.

## Chorus Cicada are associated with:

- Damage to canes caused by egg laying scars
- Objectionable work environment – noise and physical presence of Cicada
- Sooty Moulds deposited on fruit (Cost estimates to the industry over \$2.5 million per annum)
- Possible role in PSA transmission



Etec Crop Solutions Limited, in association with Zespri and Plant & Food Research have tested some control options during the 2010 / 2011 season. Based on this preliminary work the following treatment regimes are proposed for commercial evaluation this season:

**Talstar 100EC has a 'Limited Claim Permit' for Cicada management granted 29 August 2011 from the ACVM**