**Coffee stem borer**
*Xylotrechus quadripes*

<table>
<thead>
<tr>
<th>Prevention</th>
<th>Monitoring</th>
<th>Direct Control</th>
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</table>
| - Maintain optimum shade and soil moisture in the coffee orchard | - Look out for:  
  - Tunnels on the upper part of coffee branches  
  - Deposition of eggs in the cracks, crevices and the bark of the main stem  
  - Wilting and yellowing of leaves and death of branches  
  - Evidence of frass on the ground  
  - Take action when 5% of crop is affected | - Paste neem leaf extract on the stem twice a year. It should be applied at beginning of season  
  - Spray the main stem with neem kernel extract. Drench plants using azadirachtin (Achook® or Nimbecidine ®) at the rate of 50 ml in 20 L of water  
  - Spray 10% lime at a rate of 10 kgs in 100 litres of water  
  - Use coffee stem borer Pheromone traps with Kairomone attractants. 8 per hectare  
  - Poke the larvae with a sharp wire inside the holes  
  - Prune and uproot the infested plants and destroy by burning  
  - Spray using entomopathogenic fungi such as *Beauveria bassiana* and *Metarhizium anisopliae* | - When using a pesticide, always wear protective clothing  
  - Follow the instructions on the product label such as dosage, timing of application, and pre-harvest interval  
  - Spray with Fipronil insecticides at onset of rainy season e.g. Regent 50 SC or Mortel 5% SC at the recommended rates  
  - Use coffee stem borer Pheromone traps with Kairomone attractants. 8 per hectare  
  - When using a pesticide, always wear protective clothing  
  - Follow the instructions on the product label such as dosage, timing of application, and pre-harvest interval  
  - Use coffee stem borer Pheromone traps with Kairomone attractants. 8 per hectare | - WHO Class II (moderately hazardous). REI when spray dries. MRL 0.01. |

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**Kenya**

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