## Mango seed weevil

*Sternochetus mangiferae*

### Prevention
- Collect and destroy all scattered stones and fallen fruits. Chop them finely or bury them deeply (about 50 cm deep) before planting
- Avoid movement of fruits from areas known to have mango seed weevils to areas where young orchards, free of seed weevil, have been established
- Apply sticky bands at the upper end of tree trunks when the trees start flowering to help reducing migration of weevils to branches for egg laying

### Monitoring
- Check every two weeks to observe adult activity and behaviour on the trees and fruits
- Inspect under rough bark, on the trunk and main leaders for adult weevils
- Inspect new flushes for feeding damage on leaves
- Look for the presence of eggs on fruit manifested by small, dark, crescent-shaped marks on the fruit skin
- Cut fruit and seeds at harvest to look for larvae
- Check for entry marks on the fruits
- Start control measures when the pest is observed

### Direct Control
- Remove all infested fruits and debris from the field and destroy by burning or burying 50 cm deep

### Direct Control
- Spray with Malathion based products e.g. Marathon 50EC and Malaton 50EC at 40-50 ml in 20 litres of water
- Non-systemic with contact stomach and respiratory action
- Organophosphate; IRAC 1B

### Restrictions
- WHO class III (Slightly hazardous)
- PHI 7 days
- Thoroughly wet the bark of the trunk by spraying

<table>
<thead>
<tr>
<th>Direct Control</th>
<th>Restrictions</th>
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</thead>
<tbody>
<tr>
<td>Spraying with Deltamethrin based products such as Farm-X, Atom 2.5EC, and Decis 2.5EC at 10-15 ml in 20 litres of water</td>
<td>WHO class II (Moderately hazardous)</td>
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<tr>
<td>Non-systemic with contact stomach action</td>
<td>PHI 3 day</td>
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<tr>
<td>Pyrethroid; IRAC 3A</td>
<td>Use a maximum of 3 sprays per season</td>
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<tr>
<td>Spray with Bifenthrin based products e.g. Biferan 25EC, Seizer 80SC, Talstar at 20 ml in 20 litres of water</td>
<td>WHO class II (Moderately hazardous)</td>
</tr>
<tr>
<td>Non-systemic with contact stomach action</td>
<td>PHI 3 days</td>
</tr>
<tr>
<td>Pyrethroid; IRAC 3A</td>
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<tr>
<td>Spray with <em>Bacillus thuringiensis</em> at 5-20 grams per 20 litres of water</td>
<td>WHO Class III (Slightly hazardous)</td>
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<tr>
<td>Bacterium, IRAC 11</td>
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<tr>
<td>Stomach poison</td>
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- Note: Wear protective clothing when handling chemicals
- Follow instruction on the product label such as dosage, pre-harvest interval and appropriate time of application

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Kenya
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