

# Mango seed weevil

*Sternochetus mangiferae*

	Prevention	Monitoring	Direct Control	Direct Control	Restrictions
<p>Adult mango seed weevil (Varela, icipe)</p>	<ul style="list-style-type: none"> <li>◆ Collect and destroy all scattered stones and fallen fruits. Chop them finely or bury them deeply (about 50 cm deep) before planting</li> <li>◆ Avoid movement of fruits from areas known to have mango seed weevils to areas where young orchards, free of seed weevil, have been established</li> <li>◆ 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</li> </ul>	<ul style="list-style-type: none"> <li>◆ Check every two weeks to observe adult activity and behaviour on the trees and fruits</li> <li>◆ Inspect under rough bark, on the trunk and main leaders for adult weevils</li> <li>◆ Inspect new flushes for feeding damage on leaves</li> <li>◆ Look for the presence of eggs on fruit manifested by small, dark, crescent-shaped marks on the fruit skin</li> <li>◆ Cut fruit and seeds at harvest to look for larvae</li> <li>◆ Check for entry marks on the fruits</li> <li>◆ Start control measures when the pest is observed</li> </ul>	<ul style="list-style-type: none"> <li>◆ Remove all infested fruits and debris from the field and destroy by burning or burying 50cm deep</li> </ul>	<ul style="list-style-type: none"> <li>◆ Spray with Malathion based products e.g Marathon 50EC and Malaton 50EC at 40-50 ml in 20 litres of water</li> <li>◆ Non-systemic with contact stomach and respiratory action</li> <li>◆ Organophosphate; IRAC 1B</li> </ul>	<ul style="list-style-type: none"> <li>◆ WHO class III (Slightly hazardous)</li> <li>◆ PHI 7days</li> <li>◆ Thoroughly wet the bark of the trunk by spraying</li> </ul>
<p>MSW larva (Varela, icipe)</p>				<ul style="list-style-type: none"> <li>◆ Spray with Deltamethrin based products such as Farm-X, Atom 2.5EC, and Decis 2.5EC at 10-15 ml in 20 litres of water</li> <li>◆ Non-systemic with contact stomach action</li> <li>◆ Pyrethroid; IRAC 3A</li> </ul>	<ul style="list-style-type: none"> <li>◆ WHO class II (Moderately hazardous)</li> <li>◆ PHI 3 day</li> <li>◆ Use a maximum of 3 sprays per season</li> </ul>
<p>MSW pupa (Varela, icipe)</p>				<ul style="list-style-type: none"> <li>◆ Spray with Bifenthrin based products e.g Biferan 25EC, Seizer 80SC, Talstar at 20ml in 20 litres of water</li> <li>◆ Non-systemic with contact stomach action</li> <li>◆ Pyrethroid; IRAC 3A</li> </ul>	<ul style="list-style-type: none"> <li>◆ WHO class II (Moderately hazardous)</li> <li>◆ PHI 3 days</li> </ul>
				<ul style="list-style-type: none"> <li>◆ Spray with <i>Bacillus thuringiensis</i> at 5-20 grams per 20 litres of water</li> <li>◆ Bacterium, IRAC 11</li> <li>◆ Stomach poison</li> </ul>	<ul style="list-style-type: none"> <li>◆ WHO Class III (Slightly hazardous)</li> </ul>
				<ul style="list-style-type: none"> <li>◆ Note: Wear protective clothing when handling chemicals</li> <li>◆ Follow instruction on the product label such as dosage, pre-harvest interval and appropriate time of application</li> </ul>	



REPUBLIC OF KENYA

## Kenya

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