

# Bollworm on cotton

*Helicoverpa armigera*, *Pectinophora gossypiella*, *Earias vittella* African boll worm, Pink bollworm, Spotted Bollworm

	<p><b>Prevention</b></p> <ul style="list-style-type: none"> <li>• Seed treatment with Imidacloprid (7 g/kg seed) increases plant's tolerance level</li> <li>• Plant trap crops such as okra and malakwang around cotton garden to attract the bollworm</li> <li>• Practice crop rotation with cereals and include a fallowing stage</li> <li>• Practice intercropping with cowpea, sunflower, maize and marigold, which prevents spreading and favours colonization of more natural enemies of bollworm (<i>Earias</i> spp.) parasitoids</li> <li>• Incorporate plant residues immediately after harvesting into the soil to kill any surviving life stages of the pest</li> </ul>	<p><b>Monitoring</b></p> <ul style="list-style-type: none"> <li>• Scout once or twice a week, starting in the second week of squaring or once blooms appear</li> <li>• Examine five entire plants in each of 10 locations for signs of cotton bollworm eggs, larvae (caterpillars), feeding damage and faeces</li> <li>• Continue scouting until the last effective boll matures</li> <li>• Also look out for the adult moth, especially in the evenings.</li> </ul>	<p><b>Direct Control</b></p> <ul style="list-style-type: none"> <li>• Immediately remove and destroy all bolls on which bollworm damage is observed.</li> <li>• Handpick and destroy eggs and small caterpillars.</li> <li>• Erect bird perches (20-25/ha) to attract birds that prey on the larvae</li> </ul>	<p><b>Direct Control</b></p> <ul style="list-style-type: none"> <li>• Spray with Agro-Cypro 440 EC or Rockett 44EC (Cypermethrin + Profenofos)</li> </ul>	<p><b>Restrictions</b></p> <ul style="list-style-type: none"> <li>• WHO class II; it is moderately hazardous. Must be used with protective gears.</li> </ul>
<p>Old world bollworm, cotton bollworm (<i>Helicoverpa armigera</i>) (Gyorgy Csoka, Hungary Forest Research Institute, Bugwood.org)</p>				<ul style="list-style-type: none"> <li>• Treat seed with Confidor or Gaucho (Imidacloprid). Consult your extension worker and always read the label for direction on use. Always wear protective gear (overalls, gumboots, goggles, caps, gloves and face masks) when handling chemicals</li> </ul>	<ul style="list-style-type: none"> <li>• WHO class II; it is moderately hazardous. Must be used with protective gear</li> </ul>
<p>Cotton bollworm larvae feeds on a cotton boll (Photo by Wu Kongming)</p>					



## Uganda

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