

# Broomrape in Tomato

*Orobanche minor*



Flowering shoot (© Chris Parker)



Orobanche minor parasitizing tobacco plant (© Chris Parker)

Prevention	Monitoring	Direct Control	Direct Control	Restrictions
<ul style="list-style-type: none"> <li>• Use clean seed to reduce the chance of contamination</li> <li>• Seeds are transported by water - Prevent water runoff from infested land to prevent seed introduction</li> <li>• Seeds are spread by animals - do not allow livestock into an affected area to avoid spread</li> <li>• Seeds travel on machinery - clean equipment and vehicles after work in infested areas</li> <li>• Crop rotation with non-hosts such as linseed, onion, cucumber or carrots, may help to deplete seed bank</li> <li>• Avoid seed set, as the seeds are very long-lived</li> <li>• Before planting, cover the soil with transparent plastic for four weeks to kill the weed seeds and germinating young seedlings</li> </ul>	<ul style="list-style-type: none"> <li>• Annual, herbaceous, succulent, parasitic plants that lack chlorophyll. 30-50cm tall but can exceed 100cm (especially in Ethiopia). Stems are un-branched, yellowish-brown, often tinged with purple. A root parasite seen only on host roots.</li> <li>• Look for stunted crop growth and chlorosis</li> </ul>	<ul style="list-style-type: none"> <li>• Light infestations can usually be controlled by hand pulling or hoeing before seed is produced. Then bury them deep, at least 60 cm if possible</li> <li>• Wash hands after handling the plants to prevent spread of seed</li> </ul>	<ul style="list-style-type: none"> <li>• Use of chemical herbicides may lead to the development of herbicide resistance.</li> <li>• When using a pesticide, always wear protective clothing and follow the instructions on the product label, such as dosage, timing of application, and pre-harvest interval.</li> <li>• Use glyphosate when infestation is severe in order to prevent the establishment of seed bank. This will kill the weed and the crop. Use 2L/ha.</li> </ul>	<ul style="list-style-type: none"> <li>• Glyphosate is WHO Class III (slightly hazardous)</li> </ul>



## Kenya

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