

### Orchard Surveillance timeline – Mango export to China, Korea and the United States of America

All surveillance must be conducted by an approved Crop Monitor that has completed the online training modules through Tocal College ([here](#)). Crop monitoring for ALL markets needs to be conducted during the entire growing season (from bud burst), although there may be certain pests that need to be monitored at certain stages.

*Please note that there is no orchard surveillance required for export into Japan and New Zealand.*

Market	Start surveillance when...	Frequency of surveillance for each registered block	Major Pests of Concern <i>(for full list of quarantine pests, please view relevant work plan)</i>	Method of surveillance <i>(for more detail, please visit the relevant work plan)</i>	End date of surveillance
People's Republic of China	Bud burst	Fortnightly	<ul style="list-style-type: none"> <li>▪ <b>Bacterial black spot</b> <i>Xanthomonas campestris</i> pv. <i>Mangiferae indica</i></li> <li>▪ <b>Orange fruit borer</b> <i>Isotenes miserana</i></li> </ul>		Completion of harvest
			<ul style="list-style-type: none"> <li>▪ <b>Mango seed weevil</b> <i>Sternochetus mangiferae</i></li> </ul> <p>When fruit is approx. 3cm long either:</p> <p>move to <b>weekly</b> monitoring if using the <b>Systems approach</b></p> <p>OR</p> <p>maintain <b>fortnightly monitoring</b> if using the <b>Fruit cutting approach</b></p>	<p><b>Fruit cutting approach</b> At least once a year, trees must be &gt; 4 y.o. if grafted and &gt;7 y.o. if non-grafted</p> <p>OR</p> <p><b>Systems approach</b> Block monitored separately, weekly, spray controls, packhouse inspection</p>	

<p><b>Republic of Korea</b></p>	<p>Bud burst</p>	<p>Fortnightly</p>	<ul style="list-style-type: none"> <li>▪ <b>Bacterial black spot</b> <i>Xanthomonas campestris</i> pv. <i>Mangiferae indica</i></li> <li>▪ <b>Mango seed weevil</b> <i>Sternochetus mangiferae</i></li> <li>▪ <b>Stem end rots</b> <i>Cytosphaera mangiferae</i> and <i>Phomopsis mangiferae</i></li> <li>▪ <b>Red banded mango caterpillar</b></li> <li>▪ <i>Deanolis albizonalis</i></li> </ul>		<p>Completion of harvest</p>
<p><b>United States of America</b></p>	<p>Bud burst</p>	<p>Fortnightly</p>	<ul style="list-style-type: none"> <li>▪ <b>Bacterial black spot</b> <i>Xanthomonas campestris</i> pv. <i>Mangiferae indica</i></li> <li>▪ <b>Mango seed weevil</b> <i>Sternochetus mangiferae</i></li> <li>▪ <b>Fruit flies</b> <ul style="list-style-type: none"> <li>- <i>Bactocera cucumis</i></li> <li>- <i>B. frauenfeldi</i></li> <li>- <i>B. jarvisi</i></li> <li>- <i>B. kraussi</i></li> <li>- <i>B. murrayi</i></li> <li>- <i>B. neohumeralis</i></li> <li>- <i>B. opiliae</i></li> <li>- <i>B. tryoni</i></li> <li>- <i>Ceratitis capitata</i></li> </ul> </li> </ul>		<p>Completion of harvest</p>

			<ul style="list-style-type: none"> <li>▪ <b>Stem end rots</b></li> <li>- <i>Cytosphaera mangiferae</i></li> <li>- <i>Lasiodioplotia pseudotheobromae</i></li> <li>- <i>Neofusicoccum</i></li> <li>- <i>Neoscytalidium novaehollandiae</i></li> <li>- <i>Phomopsis mangiferae</i></li> <li>- <i>Pseudofusicoccum adansoniae</i></li> </ul>	<p>Three options:</p> <ol style="list-style-type: none"> <li>1. Fruit treated with broad spectrum post-harvest fungicidal spray or dip</li> <li>2. Fruit must originate from orchard inspected prior to beginning harvest and found free of fungi of concern</li> <li>3. Fruit must originate from orchard that was treated with broad spectrum fungicide during growing season, inspected prior to harvest and fruit found free of fungi of concern</li> </ol>	
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