

### Derogation for Mercaptothion 500 EC 2016/17

[Derogation compiled by the Deciduous Industry Crop Protection Advisory Group (CPAG)]

<b>Crop</b>	Apples & Pears		
<b>Country of Origin</b>	South Africa		
<b>Supplier</b>			
<b>Chemical (ai)</b>	Mercaptothion 500 EC	<b>Trade name/s</b>	Malathion 500 EC Datathion 500 EC Mercaptothion 500 EC
<b>Pest/Disease</b>	Fruitfly		
<b>Rationale for use</b>	To control fruitfly populations in orchards. To prevent damage caused by fruitfly. To use as an alternative for resistance management.		
<b>Alternative, either cultural or chemically?</b>	<b>Cultural:</b> Orchard sanitation and removal of host plants will assist other control measures. <b>Other:</b> Insect Sterile Technique – Not available in all production areas. <b>Chemical:</b> Spinosad. (GF120)		
<b>What prevention methods are available?</b>	None		
<b>Dose rate requested</b>	175 to 500 ml/100L water applied as a bait spray. (Not as a full cover spray).	<b>% of full rate?</b>	25 to 71.5%
<b>No of applications requested?</b>	5. Depending on fruitfly counts in pheromone traps and harvest date.	<b>Timing i.e. interval between applications</b>	1 to 2 weeks depending on fruitfly counts in pheromone traps.
<b>Harvest Interval</b>	28 Days which will not result in residues on fruit.	<b>Stewardship and engineering mechanism that prevent environmental issues</b>	Precautions as per label. To be used as a bait application only at low volume application of 40 – 50 L/ha
<b>Time scale for exit</b>	As soon as a suitable alternative is available.		