

## Results of PMRA Review of Captan for Tender Fruit

The PMRA has completed its review of products containing captan (Maestro and Supra Captan and any other formulations) for tender fruit. **The label changes will take place by May, 2020.** A summary of this review is provided below.

**Pear:**

- Restricted number of applications per season: 10 for high density, 2 for standard plantings
- Reduced maximum rate, based on products with 80% a.i.: 3 kg/ha (from 3.75 kg/ha on previous labels)
- Longer REI: duration depending on activity and whether or not planting is high density

Crop	Maximum Application Rate	Activity	REI <sup>a</sup>	Maximum Number of Applications per year, Minimum RTI	Additional Application Instructions
<b>Apple and pear orchards that have high density production</b> where the maximum canopy width per tree is 2 m (1 m to reach center or trunk from the row alley). These tree architectural restrictions are to minimize worker contact with treated foliage.	3 kg/ha (2.4 kg a.i./ha)	Hand thinning fruit, hand harvesting	15 days	10 applications, 7 days apart	Apply 3 kg product under conditions of low to moderate disease pressure only. If disease pressure is high or conditions are conducive for high disease pressure, either tank mix captan at the 3 kg product with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease.
		Hand pruning, training	6 days		
		All other activities	2 days <sup>c</sup>		
<b>Non-High Density Apple and Pear Orchards:</b> Apple and pear orchards that do not meet the requirements specified for high density apple and pear orchards.	2.4 kg a.i./ha (3 kg product)	Hand thinning fruit	24 days	Apply a maximum of 2 applications per year. Minimum RTI 7 days. When hand thinning is performed, make 1 application beforehand thinning fruit and 1 application after hand thinning fruit.	
		Hand harvesting	19 days		
		Hand pruning, training	4 days		
		All other activities	2 days <sup>c</sup>		

RTI = retreatment interval (time between applications)

<sup>a</sup> REI = Restricted-Entry Interval. REIs longer than 12 hours apply to hand labour tasks. If the REI for hand harvesting and the pre-harvest interval (PHI) are different, follow the longer of the two intervals. Mechanical harvesting could occur after the PHI provided there is no worker contact with treated foliage. If the REI is 12 hours and a PHI is not specified, entry is not permitted until after 12 hours.

<sup>c</sup> Current label REI.

### Stone fruit:

- Reduced number of applications: 1 during the season in stone fruit; 1 additional post-harvest in cherry
- Reduced maximum rate/ha: 4 kg (from max of 4.5 kg/ha on previous labels)
- Increased REI: Hand thinning 29 days; hand harvest 15 days; all other activities 1 day.

Crop	Maximum Application Rate(s)	Activity	REI <sup>a</sup>	Maximum Number of Applications per year, Minimum RTI	Additional Application Instructions
Cherry, peach, plum, apricot, nectarine	4 kg/ (3.2 kg a.i./ha)	Hand thinning fruit	29 days	1 application.	Apply preventatively when conditions are favourable for disease development. An application can be made, starting as soon as pink bud, up to pre-harvest.  Apply 4 kg product under conditions of low to moderate disease pressure. If disease pressure is high or conditions are conducive for high disease pressure, either tank mix captan at the 4 kg/ha rate with another fungicide registered for control of the same disease, or switch to another fungicide registered for control of the same disease.
		Hand harvesting	15 days	Cherry trees are permitted 1 additional application after harvest	
		All other activities	1 day		

RTI = retreatment interval (time between applications)

<sup>a</sup> REI = Restricted-Entry Interval. REIs longer than 12 hours apply to hand labour tasks. If the REI for hand harvesting and the pre-harvest interval (PHI) are different, follow the longer of the two intervals. Mechanical harvesting could occur after the PHI provided there is no worker contact with treated foliage. If the REI is 12 hours and a PHI is not specified, entry is not permitted until after 12 hours.

<sup>c</sup> Current label REI.

There are also some specific requirements for entering before the REI passes as well as for application of products:

Under exceptional circumstances, certified pesticide applicators may enter treated areas for short-term tasks not involving hand labour **if at least 4 hours have passed** since application and a long-sleeved shirt, long pants, rubber boots, socks, goggles, chemical-resistant gloves and a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH-approved canister approved for pesticides is worn. **Time spent in the treated area cannot exceed 1 hour in a 24-hour period or until restricted-entry interval is over.**"

When applying using groundboom, use a closed cab when handling more than 57 kg a.i./day (71 kg product). A closed cab must have both a physical barrier and respiratory protection (i.e. dust/mist filtering and/or vapour/gas purification system).

The closed cab must have a chemical-resistant barrier that totally surrounds the occupant and prevents contact with pesticides outside the cab. Respirators, goggles, and chemical-resistant gloves are not required to be worn inside the closed cab, but need to be available for exiting the cab."

Buffer zones will also be stated on revised labels. The buffer zones specified in the table below are required between the point of direct application and the closest downwind edge of sensitive freshwater habitats (such as lakes, rivers, sloughs, ponds, creeks, marshes, streams and reservoirs and wetlands).

Crop		Buffer Zones (m) Required for the Protection of Freshwater Habitat of Depths:	
		Less than 1 m	Greater than 1 m
Apple and pear	Early growth stage	30	4
	Late growth stage	20	2
Peach, plum, prune, apricot, nectarine, cherrytrees.	Early growth stage	30	5
	Late growth stage	20	3