

## POME FRUIT GROWER SURVEY - CAPTAN FUNGICIDE

The Pest Management Regulatory Agency (PMRA) recently published an amended proposed re-evaluation decision for CAPTAN (PRVD2016-13). **THIS DECISION PROPOSED THE DISCONTINUATION OF USE OF CAPTAN ON POME FRUIT (APPLES, PEARS).** The revised PMRA risk assessment identified that occupational exposure, and in particular worker exposure following application is unacceptable for many existing label uses.

The amended risk assessment that PMRA conducted included many assumptions regarding agronomic practices that are inaccurate and/or outdated and are not indicative of how CAPTAN is used in modern horticultural production. These assumptions led PMRA to inappropriate conclusions related to CAPTAN use and occupational/worker exposure.

The purpose of this important survey is to gather information on how growers actually use of CAPTAN fungicide for disease control and to correct the assumptions that PMRA used in their risk assessment. **Providing this information to the PMRA is critical so that they can revise their risk assessment to reflect actual grower use of CAPTAN that potentially could amend the proposed decision to discontinue use on horticultural crops.**

CAPTAN fungicide is marketed for horticultural use in different formulations including SUPRA CAPTAN 80 WDG, PCP# 24613 and MAESTRO 80 DF, PCP# 26408.

**CAPTAN Application Rates for Apple and Pear Crops (rates indicated are for a product containing 80% captan)**

Crop	Disease Controlled	Application Rate (product)	
		Kg/ha	Kg/ac
Apple	Apple Scab, Sooty Blotch, Fly Speck, Brook's Spot, Bitter Rot, Black Rot, Bull's Eye Rot*	1.90 to 3.75* kg/ha	0.77 to 1.52 kg/ac
Pear	Scab, Sooty Blotch	3.75 kg/ha	1.52 kg/ac

**QUESTIONS ON CAPTAN USE ON APPLE AND PEAR CROPS**

	CONSIDERATION	QUESTION	RESPONSE		
1	General Operation Information	This survey is being completed by:	Name (optional):		
			Email (optional):		
			Telephone (optional):		
			Respondent Type (Grower/Association/PMUC/Other):		
			Province (required):		
		How many acres of these crops do you grow?	APPLES	ac or ha	
			PEARS	ac or ha	
What percentage of these crops is hand harvested?	APPLES	%			
	PEARS	%			
2	CAPTAN Application	Do you apply CAPTAN on these crops at least once a year?	Yes or No		
		What typical use rate of CAPTAN do you use on these crops?  (if used on more than one crop please report for each crop)	APPLES	Product Applied:	
			Application Rate: <i>(indicate kg/ac or kg/ha or kg/volume sprayed per acre)</i>		
			PEARS	Product Applied:	
			Application Rate: <i>(indicate kg/ac or kg/ha or kg/volume sprayed per acre)</i>		
		Do you apply CAPTAN on these crops using a closed cab with air filtration? (circle applicable)	YES / NO		
		Do you apply CAPTAN on these crops using aerial application? (circle appropriate)	YES / NO		
How many applications of CAPTAN would you typically apply per year?	APPLES	Typical no. of applications/season:			

		(if used on more than one crop please report for each crop)	PEARS	Typical no. of applications/season:
		What is/are the critical crop growth stage(s) when CAPTAN would be applied?	APPLES	Critical application crop growth stage(s):
			PEARS	Critical application crop growth stage(s):
		Keeping in mind that we wish to maintain the use of CAPTAN on berries, what is a practical maximum number of applications of CAPTAN per season that you would require for effective disease control? (if used on more than one crop please report for each crop)	APPLES	Maximum no. applications/season:
			PEARS	Maximum no. applications/season:
		If the number of applications of CAPTAN were to be limited, what would be the most critical crop growth stage(s) required?	APPLES	Critical crop growth stage(s):
			PEARS	Critical crop growth stage(s):
		How frequently is CAPTAN applied with another fungicide in a tank-mix?	Always	
			About a third of the time	
			About half the time	
			Never	
		What is the maximum area (or volume) that one applicator could spray in a single day?	AREA ( <i>acres or hectares</i> ):	
			VOLUME ( <i>litres</i> ):	
3	Entry into treated fields after CAPTAN application	How frequently would a field be entered by a worker during the season for the task indicated?  If the activity is <u>not</u> conducted on your farm please indicate "NA"	For scouting/monitoring	times/week OR times/season
			For hand-weeding	times/week OR times/season
			For pruning/thinning/tying or training	times/week OR times/season
			For hand harvesting	times/week OR times/season
			Hand set irrigation	times/week OR times/season
			For other (describe)	times/week OR times/season

		<p>What would be a reasonable re-entry time to access fields to complete these tasks after application with CAPTAN? Keep in mind that the current REI is 48 hours, but this may need to be extended in order to maintain use of CAPTAN.</p>	For scouting/monitoring	hours
			For hand-weeding	hours
			For pruning/thinning/tying or training	hours
			For hand harvesting	hours
			For hand set irrigation	hours
			For other (describe)	hours
		<p>For each activity, indicate the level of direct worker contact with foliage associated with the activity 0 = no contact with foliage 5 = full contact with foliage</p>	For scouting/monitoring	rating 0 to 5
			For hand-weeding	rating 0 to 5
			For pruning/thinning/tying or training	rating 0 to 5
			For hand harvesting	rating 0 to 5
			For hand set irrigation	rating 0 to 5
			For other (describe)	rating 0 to 5
		<p>How much time would a worker spend in a CAPTAN treated field to conduct each activity WITH DIRECT FOLIAGE CONTACT to complete these tasks (indicate number of hours)?</p>	For scouting/monitoring	hours
			For hand-weeding	hours
			For pruning/thinning/tying or training	hours
			For hand harvesting	hours
			For hand set irrigation	hours
			For other (describe)	hours
		<p>When workers are in treated fields to complete these tasks do they wear: Gloves? Long pants? Long sleeved shirt? (circle applicable)</p>	For scouting/monitoring	Gloves / Long Pants / LS Shirt
			For hand-weeding	Gloves / Long Pants / LS Shirt
			For pruning/thinning/tying or training	Gloves / Long Pants / LS Shirt
			For hand harvesting	Gloves / Long Pants / LS Shirt
			For hand set irrigation	Gloves / Long Pants / LS Shirt
			For other (describe)	Gloves / Long Pants / LS Shirt
<p>If gloves are worn for an activity, what is the glove material used? (cotton, leather, rubber, neoprene, nitrile)</p>	For scouting/monitoring	Cotton/ leather/ rubber/ neoprene/ nitrile		
	For hand-weeding	Cotton/ leather/ rubber/ neoprene/ nitrile		
	For pruning/thinning/tying or training	Cotton/ leather/ rubber/ neoprene/ nitrile		
	For hand harvesting	Cotton/ leather/ rubber/ neoprene/ nitrile		
	For hand set irrigation	Cotton/ leather/ rubber/ neoprene/ nitrile		
	For other (describe)	Cotton/ leather/ rubber/ neoprene/ nitrile		
<b>5</b>	<b>Resistance Management</b>	How important is CAPTAN to your fungicide resistance management strategy on fruit? (circle applicable)	Extremely Important / Moderately Important / Not Important	
<b>6</b>	<b>GENERAL</b>	Do you or the person applying pesticides in your operation have a Pesticide Applicators Certificate or		

		other pesticide safety certification (describe):	
		Do you have an on-farm food safety program (describe):	