

# 2024 GALA PREHARVEST STRATEGY DECISION TABLE



Timing	Rate (Imperial)	Rate (Metric)	Quality Impacts	Harvest Delay
<b>RETAIN (1 pouch = 333 grams)</b>				
<b>Single Application</b>				
3 WBH	1/2 to 1 pouch/acre	416 to 833 g/ha	Reduces stem end cracking. Greatest storage benefits at high rate including less flesh browning. Use lower rate to reduce the delay in colour development (although colour may still be affected). Harvest delays increase fruit size by 1% for each day harvest is delayed.	1 to 2 weeks low rate, 2 to 3 weeks high rate
1-2 WBH	1 pouch/acre	833 g/ha	Minimizes colour delay. Great prevention of greasiness and cracking (especially in late picks). Higher rate gives longer maintenance of quality.	Typically will not delay the start of the 1st pick. Slows and synchronizes maturity of later picks.
1-2 WBH	1/2 pouch/acre	416 g/ha	Minimizes colour delay. A few days of greasiness prevention (especially in late picks).	Typically will not delay the start of the 1st pick. Slows and synchronizes maturity of later picks.
1-2 WBH	1/4 to 1/3 pouch/acre	208 to 274 g/ha	Minimizes colour delay. A few days of greasiness prevention (especially in late picks).	Less than 1 week delay of 2nd pick.
<b>HARVISTA</b>				
<b>Single Application</b>				
1 WBH	96 fl oz/acre to 1 gal (128 fl oz) Harvista/acre	7 L/ha to 9.5 L/ha	Generally low impact on fruit colour. Maintains flesh firmness and decreases core browning. Delays greasiness.	1 week
<b>RETAIN + HARVISTA</b>				
3 WBH + 0-1 WBH	1/2 pouch ReTain/acre + 1 gal (128 fl oz) Harvista/acre	416 g/ha + 9.5 L/ha	Limited local experience.	3 to 4 weeks, maximum harvest delay
1 WBH + 1 WBH	1 pouch ReTain/acre + 1 gal (128 fl oz) Harvista/acre	833 g/ha + 9.5 L/ha	Limited local experience. Minimizes colour delay.	

**Notes:**

WBH = Weeks before harvest.

**Caution:** Do not apply ReTain less than 1 WBH because of the preharvest interval of 7 days. Do not apply Harvista less than 3 days before harvest.

**Caution:** Do not apply ReTain if the block already struggles to get good colour development or if it has a heavy crop load and will have trouble gaining colour.

**Caution:** DA meter readings after Harvista/ReTain might not actually represent maturity. Changes to chlorophyll content caused by these products might not be synchronous with other maturity indicators.

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# 2024 HONEYCRISP PREHARVEST STRATEGY DECISION TABLE



Timing	Rate (Imperial)	Rate (Metric)	Quality Impacts	Harvest Delay
<b>RETAIN (1 pouch = 333 grams)</b>				
<b>Single Application</b>				
3 WBH	1/2 to 1 pouch/acre	416 to 833 g/ha	Higher rates result in longer delays in maturity and colour development. May greatly reduce colour.	1 to 2 weeks low rate, 2 to 3 weeks high rate
2 WBH	1 pouch/acre	833 g/ha	Possible colour delay. Improves the quality and storage potential of 2nd and later picked apples.	First pick may occur on time but subsequent harvests are likely to be delayed and with maturity synchronized.
2 WBH	1/2 pouch/acre	416 g/ha	Minimizes colour delay. Standard program in Nova Scotia. Can improve the quality and storage potential of 2nd and later picked apples.	First pick may occur on time but subsequent harvests are likely to be delayed and with maturity synchronized.
1 WBH	1/2 pouch/acre	416 g/ha	Minimizes colour delay. If maturity is successfully delayed, can improve the quality and storage potential of 2nd and later picked apples. May be ineffective in some years (especially with above-average heat and advanced maturity).	Will not delay the start of the 1st pick but slows maturity of later picks.
<b>HARVISTA</b>				
<b>Single Application</b>				
1 WBH	96 fl oz/acre to 1 gal (128 fl oz) Harvista/acre	7 L/ha to 9.5 L/ha	Generally low impact on fruit colour. Maintains firmness at harvest. After storage, less skin wrinkling and senescent breakdown. However, Harvista increases bitter pit, leather blotch, and core browning. Caution using SmartFresh in storage as can aggravate storage disorders.	1 week

**Notes:**

WBH = Weeks before harvest.

**Caution:** ReTain or Harvista may increase the incidence of bitter pit during storage if the nutrient ratio of K/Ca in the fruit is high (or in blocks with a history of bitter pit issues.)

**Caution:** Do not apply ReTain less than 1 WBH because of the preharvest interval of 7 days. Do not apply Harvista less than 3 days before harvest.

**Caution:** Do not apply ReTain if the block already struggles to get good colour development or if it has a heavy crop load and will have trouble gaining colour. Do not use on the early ripening variety Premier Honeycrisp.

**Caution:** DA meter readings after Harvista/ReTain might not actually represent maturity. Changes to chlorophyll content caused by these products might not be synchronous with other maturity indicators.

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