

A Review of Continuously Moving Harvesters for Cherry

1. USDA Peterson Berry Harvester Prototype (BTR)
2. Grant's Cherry Harvester Prototype (BTR)
3. Oxbo Commercial Citrus Harvester (BTR)
4. Korvan Commercial Blueberry Harvester (OTR)

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Why Seek New Harvest Systems?



- Vision of the future:
 - Harvest of younger trees → earlier returns
 - Earlier returns → easier to establish new orchards
 - Earlier returns → easier to adopt improved varieties
 - New varieties → expanded markets for products (for example, dried cherry, juice concentrate, etc.)
 - Harvest of smaller trees → better fruit quality
 - Smaller trees → spray reduction/containment?
 - Avoid trunk shaker damage → better tree health
 - Continuous harvest → higher harvest efficiency
 - Continuous harvest → night harvest potential?

Harvesting tart cherries must continue to evolve....



Hand held "Homelite" branch shaker being demonstrated.

Our studies show that the usefulness of this unit is limited. The manufacturer, however, plans to make 750 of these machines available to growers in 1967.

Even fresh market sweet cherry harvest is evolving with new tree training systems matched to prototype harvesters





Trunk Shaker Harvester



USDA-Peterson Berry Harvester 05



Grant's BTR Harvester 06



Oxbo Citrus Harvester 07



