## 2 WPM IS MANUFACTURED **TREES ARE HARVESTED** Phloem feeders and contaminating pests are removed from WPM manufactured to ISPM **3**) WPM IS TREATED PER ISPM 15 Pests (e.g., wood borers, phloem feeders, 15 standards; risk from pest infestation after microorganisms) may enter the supply chain Wood borers and microorganisms remaining processing is significantly reduced. WPM if they are present in or on trees destined for after debarking are significantly reduced not manufactured to ISPM 15 standards may use in wood packaging material (WPM). from WPM treated to ISPM 15 standards. retain external pests or tissue (e.g., bark) ISPM 15 mark is applied to signal susceptible to reinfestation. compliance. Fraud, improper or insufficient treatment at this stage may result in marked **CRITICAL CONTROL** WPM harboring viable pests. POINT **CRITICAL CONTROL** POINT Path color indicates country and area, path arrows show direction of trade. Filled boxes are higher risk steps, open boxes are lower risk steps. WPM IS STORED PRIOR TO USE 4 Purple: Exporting country Infestation or contamination can occur if WPM stored improperly (e.g., poor storage Green: Importing country, at port of entry yard management, wet conditions, outdoor storage under lights). Blue: Importing country, beyond port **Gray:** Importing country, reuse pathways Moth: Bark or phloem infesting pest, or tree-specific contaminating pest 5 WPM IS PACKAGED AND PACKED Beetle: Wood infesting pest WPM is packaged with a commodity and Snail: Non-specific contaminating pest packed into a cargo transport unit (CTU). Cross contamination during packaging or packing is Arrow inwards: Key entry point into the supply chain possible. Trained workers can remove or reject

Arrow outwards: Key escape point from the supply chain

Circle: Key risk management point within the supply chain





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Canada



7 CTUs ARE STORED AT PORT AND ALL GOODS ARE LOADED

contaminated or unmarked WPM.

**CTUs ARE MOVED FROM ORIGIN TO** 

Infestation of WPM can occur, but is unlikely.

**EXPORTING PORT** 

Pests in the port area can contaminate WPM. New risk can be introduced at this step when dunnage is used to pack or load; untreated or contaminated dunnage can host pests. Workers can be trained to identify and remove or reject contaminated or unmarked WPM prior to loading.

CRITICAL CONTROL POINT

6



8 SHIP IS EN ROUTE IN INTERNATIONAL WATERS Cross contamination may occur in breakbulk and CTUs. Workers can be trained to decontaminate

(10)

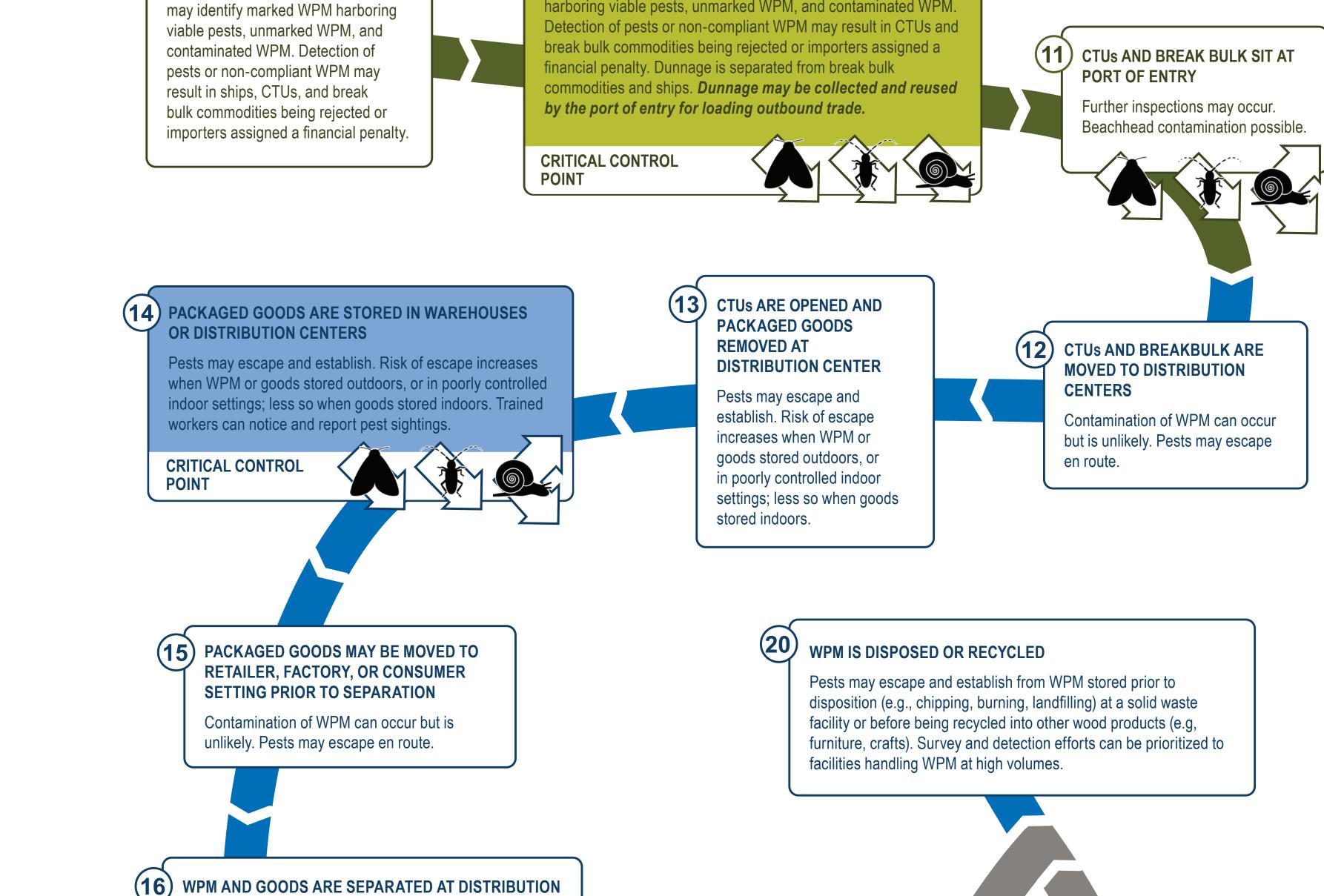
exposed surfaces.

**9** SHIP ARRIVES AT PORT OF ENTRY

First opportunity for inspection and for escape of motile pests. Inspection

## CTUS AND BREAKBULK ARE OFFLOADED INTO THE PORT

Inspections may occur at port of entry. Unloading presents first significant opportunity for motile and sessile pests to enter the destination country. Inspection may identify marked WPM harboring viable pests, unmarked WPM, and contaminated WPM.



CENTER, WAREHOUSE, RETAILER, FACTORY, OR CONSUMER SETTING

Pests may escape and establish. Risk of escape increases when WPM or goods stored outdoors, or in poorly controlled indoor settings; less so when goods stored indoors.

## (19) USED WPM MAY ENTER REUSE POOL

Used WPM is often returned to service for domestic or exported goods. Practices in the reuse pool (e.g., storage conditions, handling, repair, retreatment) influence the likelihood of WPM being infested or contaminated by pests. *Pest presence in the WPM reuse pool can lead to further domestic and international movement of pests, when returned to service for domestic or international trade.* 

Damaged WPM may be repaired or remanufactured with untreated wood, introducing

new risk of pest infestation or contamination by both native and non-native pests. To

remain ISPM 15 compliant, depending on type and extent of repairs, treatment may

IF DAMAGED, WPM MAY BE REPAIRED OR REMANUFACTURED

## (17) WPM IS STORED PRIOR TO REUSE OR DISPOSITION

Pests may escape and establish. Risk of escape increases when WPM stored outdoors. Survey and detection efforts can prioritize stored WPM that was associated with higher risk commodities. Trained workers and community members can notice and report pest sightings. Beachhead contamination possible.

CRITICAL CONTROL POINT CRITICAL CONTROL POINT

need to be reapplied.

(18

