

# Quarantine Requirements for the Importation of Host Fruits of Peach Fruit Moth (*Carposina sasakii*) from the Republic of Korea

(In case of divergence, the Chinese version will prevail)

1. The importation of fresh fruits of *Malus* spp. (apples), *Pyrus* spp. (pears), and *Prunus persica* (peaches) from Korea to Taiwan must be in compliance with the following requirements. Other fresh host fruits of peach fruit moth (*Carposina sasakii*) are prohibited to export to Taiwan.
2. Requirements for supplying orchards
  - 2.1 Growers with the intention of exporting fresh fruits to Taiwan must carry out strict pest control measures of peach fruit moths during the production season and keep the pest-control records.
  - 2.2 Authoritative departments of local governments in Korea have to supervise the pest control measures taken by growers in their districts to ensure the conformity to the pest control schedule by the Rural Development Administration (**hereinafter referred to as RDA**). The pest control schedule must be provided to the inspector of **the plant quarantine authority of the Republic of China** (Bureau of Animal and Plant Health Inspection and Quarantine, **hereinafter referred to as BAPHIQ**) during annual on-site inspection for reference.
  - 2.3 Unripe pears shall be properly bagged and sealed before the diameter of fruit reaches 2.5 cm.
  - 2.4 Apple and peach orchards shall meet the following requirements:
    - 2.4.1 Pheromone traps must be used with Z7-20-11Kt as lure and hung at about 1.5m above ground during active seasons of adult peach fruit moth. At least one trap shall be set per hectare. Farms smaller than 1 hectare shall be considered as 1 hectare. Traps must be checked every two weeks or more frequently to survey the occurrence of peach fruit moths. If 3 or more peach fruit moths are found at a single trap, effective pest control measures must be taken immediately. Pheromone lure must be renewed constantly. Complete records of monitoring and control must be kept for inspection.
    - 2.4.2 Field surveillance shall be done 10~15 days prior to harvest. At least 10 plants must be examined for orchards smaller than 1 hectare. For those larger than 1 hectare, at least 5 additional plants shall be examined per 0.5 hectare (orchards

less than 0.5 hectare is recognized as 0.5 hectare). At least 20 fruits must be checked for each plant. If any peach fruit moth is found, fruits from that orchard are prohibited to be exported to Taiwan during the whole production season. Complete records of field surveillance must be kept for inspection.

2.5 Inspectors of the Animal and Plant Quarantine Agency of the Republic of Korea (hereinafter referred to as QIA) or BAPHIQ will conduct the verification of the supplying orchards to ensure that measures are taken for the prevention of the fruits being infected by peach fruit moths during the delivery to packinghouses after harvest.

2.6 Supplying orchards in compliance with the aforementioned requirements shall be registered by QIA. Packinghouses are in charge of keeping the lists of registered orchards for verification by BAPHIQ inspectors during annual on-site inspection. The lists must show orchard owner's name, address, variety of fruits produced, and the acreage of plantation.

### 3. Requirements for packinghouses

3.1 Packinghouses shall apply for approval to the governing office of QIA before the packing season.

#### 3.2 Apparatus and personnel of packinghouses

3.2.1 From harvest to transport to packinghouses, fresh fruits for export to Taiwan shall be stored in cold storages or warehouses able to prevent fruits from infestation by peach fruit moths.

3.2.2 Packinghouses shall install insect-proof equipments from May to October every year. Windows or ventilation must be covered with insect proof screen of no more than 1.6 mm fine meshes. Entrances or doors shall be equipped with air curtains, rubber curtains, or other insect-proof equipment.

3.2.3 Packinghouses must be equipped with sorting apparatus and sufficient lights for performing selections and inspections of fresh fruits.

3.2.4 All packinghouses shall be equipped with a minimum of two non-sex pheromone traps to detect the occurrence of peach fruit moth. If peach fruit moth is found, packinghouses shall suspend the packing procedure to examine the cause and make corrections before resuming the packing procedure. BAPHIQ shall be notified of the related suspension of the packing procedure.

3.2.5 At least one QIA qualified technician capable of identifying the infestation of

peach fruit moth shall be present for each packinghouse. The technician must fully participate in the sorting process, examine and remove any fruit with possible infestation.

### 3.3 Packinghouse Procedures

3.3.1 All fresh fruits for export to Taiwan shall be from supplying orchards approved by BAPHIQ and stored in exclusive cold storage warehouses to keep out contact with fruits for domestic market or other countries.

3.3.2 Pears shall be inspected by packinghouse personnel for the completeness of their bagging before entering the packinghouse from May to October every year. If the openings of bag is not fully sealed and labeled, the bag is damaged, or the fresh fruit is separated from its bag, the fruit shall be denied entry into packinghouses.

3.3.3 The bag of pear should be removed from November to next April every year, according to the following procedure before pears entering the packinghouses.

3.3.3.1 The removal procedure should be supervised under the qualified technician of packinghouse.

3.3.3.2 The removal procedure should be recorded by the qualified technician. The record shall include the name of the supplying orchard, the date and amount of removal, and must be kept in the packinghouse for inspection.

3.3.3.3 Pears after removal procedure shall be stored in closed cold storages or warehouses.

3.3.3.4 Pears and the removal records shall be checked by packinghouse personnel before pears entering the packing procedure. Pears without complete removal record are prohibited to enter the packinghouse.

3.3.4 Packinghouses must be cleaned up before operating every day, pesticide spray shall also be conducted, if necessary.

3.3.5 Every year from May to October, the packing procedure of fresh fruits for export to Taiwan shall not be conducted simultaneously with fresh fruits for domestic markets or any other countries.

3.3.6 Inspectors of QIA or authorized inspectors of local government shall supervise the sorting and packing procedure.

3.3.7 If any live peach fruit moth is detected during the packing process, the lot will be rejected to export to Taiwan and the fruits from the sourcing orchard will be

withdrawn for export to Taiwan during the remainder of the production season.

3.3.8 Culled fruits shall be placed in containers and discarded or destroyed outside of packinghouses every day.

3.3.9 Packing shall not be conducted after sunset during May to October unless strict insect-proof equipments approved by QIA were installed.

3.4 Packinghouses shall keep the record of monitor, field investigation and pest control of peach fruit moth, and the removal record from November to next April every year of each supplying orchard. Packinghouses shall provide the records to BAPHIQ inspectors during annual on-site inspection for verification.

3.5 Packinghouses meeting the aforementioned requirements shall register with the QIA. QIA shall provide a list of approved packinghouses (including names, registered codes, addresses, owners, and kinds of fresh fruits to pack) to BAPHIQ prior to annual on-site inspection. If there is any packinghouse additionally approved during export season, QIA shall send the updated list to BAPHIQ. Inspectors of BAPHIQ may be dispatched to Korea for inspection and approval when necessary. All expenses shall be borne by Korea.

3.6 Requirements for packing materials

3.6.1 All packages shall be labeled the kind of fruit, names or registered codes of packinghouses.

3.6.2 If the package has ventilation holes, the holes shall be covered with insect proof screen of no more than 1.6 mm fine meshes, or transported in sealed containers.

3.7 Packinghouses shall take the following measures to prevent fresh fruits that have passed quarantine inspection from infestation of pests.

3.7.1 Fresh fruits packed or not shall not be stored outdoors.

3.7.2 During delivery to storage warehouses, fresh fruits shall be covered with insect proof screen of no more than 1.6 mm fine meshes, canvas, or other pest-proof material.

3.7.3 Fresh fruits that have passed quarantine inspection shall not be stored with fresh fruits that have not yet been inspected in warehouses.

4. On-site inspection

4.1 Every year, one month prior to the on-site inspection, QIA shall formally invite BAPHIQ to send quarantine inspector(s) to Korea to perform on-site inspection of supplying orchards and packinghouses. A list of approved packinghouses shall also be provided to BAPHIQ along with the invitation.

4.2 BAPHIQ may dispatch quarantine inspector to participate in the inspection, or QIA may undertake the inspection on behalf of BAPHIQ based on agreed criteria listed below:

4.2.1 On-site inspection of the same type of fruit was conducted by BAPHIQ in the previous year.

4.2.2 There are no detection records of living peach fruit moths during export and import inspections and no first outbreak of prohibited quarantine pest of Taiwan in the previous season of the type of fruit.

4.3 If QIA undertakes on-site inspection on behalf of BAPHIQ, QIA shall provide the report to BAPHIQ within one month after the inspection.

4.4 All necessary expenses shall be borne by Korea.

## 5. Export inspection

5.1 The export inspection procedure shall be carried out after QIA invites BAPHIQ official for annual on-site inspection and provides the updated list of packinghouses.

5.2 During the sorting process, inspectors of QIA or authorized inspectors of local government shall direct packinghouses to discard culled fruits completely. Culled fruits shall be placed in containers and discarded or destroyed outside of packinghouses every day.

5.3 Packed fruits must be inspected by inspectors of QIA or authorized inspectors of local government after the packing process finishes. At least 2% of the packed cartons in a given lot must be sampled randomly. All fresh fruits from the randomly selected cartons must be inspected. The percentage for inspection can be increased when necessary.

5.4 If any live peach fruit moth is found during export inspection, the lot of fruits shall be rejected and shall not request re-inspection. All fruits from the sourcing orchard will be withdrawn for export to Taiwan during the remainder of the production season.

5.5 If any live peach fruit moth is found during export inspection, packed fruits from that packinghouse shall be suspended from exporting to Taiwan until the cause of the situation has been clarified and corrected. BAPHIQ shall be immediately notified of any suspension procedure.

5.6 Fresh fruits passing the export inspection shall be accompanied with a phytosanitary certificate issued by QIA with additional declaration stating that the fruits have been inspected and found free of *Carposina sasakii* and other quarantine pests designated by BAPHIQ, as well as the inspection date, code numbers or names of packinghouses.

5.7 Fresh fruits not exported within 14 days after passing the export inspection must be

re-inspected before shipment and a new phytosanitary certificate shall be issued.

6. Requirements for transshipment

Fresh fruits transshipping through other countries or districts shall meet the requirements of the “Quarantine Requirements for Transshipment of Plants or Plant Products through Countries or Districts Where Designated Diseases or Pests Are Known to Occur.”

7. Import inspection

7.1 Procedures, methods, and sampling of import inspection are based on the “Plant Protection and Quarantine Act” and other related quarantine regulations.

7.2 If importation of fresh fruits is not accompanied with the phytosanitary certificate issued by QIA or the contents listed on the phytosanitary certificates does not meet these quarantine requirements and other related regulations, the fruits are prohibited to import into Taiwan.

7.3 If the packing labels of the consignments fail to comply with the quarantine requirements, the consignments will be denied.

7.4 If any live peach fruit moth is found upon import inspection at port of entry, the consignment will be returned or destroyed.

7.5 If live peach fruit moth is found by BAPHIQ during import inspection, BAPHIQ will immediately notify and provide QIA a copy of the phytosanitary certificate, information of packing, pictures of pests and identification report.

8. Suspending and resuming export

8.1 QIA shall immediately suspend the inspection of the kind of fruit infested by the peach fruit moth upon receiving the first interception notice of the peach fruit moth from BAPHIQ.

8.2 The aforementioned kind of fruit passing export inspection with an issued phytosanitary certificate prior to the suspension date must be loaded on board traveling to Taiwan within 7 days. The shipments from this packinghouse will be subject to a more stringent import inspection. If live peach fruit moth is found, provisions 7.4 and 7.5 shall be applied.

8.3 After the suspension of the kind of fruit, QIA shall conduct an investigation, make necessary corrections and report the results of the investigation to BAPHIQ.

8.4 If the results of the investigation indicate a system failure and system improvement is required, QIA shall provide BAPHIQ with a report to ensure the results of correction. BAPHIQ may send inspector(s) to conduct on-site verification of the correction measures. All necessary expenses shall be borne by Korea.

- 8.5 The suspension will be lifted only after BAPHIQ reviews and approves the QIA report or the on-site verification of necessary correction measures taken.
- 8.6 If live peach fruit moth is detected again from the fresh fruits export to Taiwan in the same production season (from July 1 to June 30 next year), BAPHIQ will suspend the importation of all fresh fruits from Korea, and provisions 7.4, 7.5, 8.1, 8.2, 8.3, 8.4 and 8.5 shall be applied.