

Management Practices

Pest monitoring, management, and control strategies aimed at maintaining low pest populations, including a fruit fly trapping program, must be implemented in all orchards.

MOAF&M will periodically visit production sites and audit records, which may be provided to APHIS upon request. Harvested fruits must be placed in field bins or containers that are marked to show origin in a manner that enables traceback to the field.

1. Pruning

Prune orchard trees annually to maintain an open canopy of manageable size.

2. Field sanitation

Clear fallen fruits from the farm on a regular basis to prevent harbouring pests. Fallen fruits should be sealed in a plastic bag and placed in sun for 7-10 days or bury mangoes to a depth of at least 2 feet covering with a thick layer of soil.

3. Fruit Fly Trapping Programme

Use traps baited with torula yeast to trap flies. Place 1 trap for every 5 acres. If you have less than one acre of mango trees, place only one trap on the farm.

Place traps in a shady area of the mango tree so that it is not exposed to direct sunlight, strong wind or dust. Hang trap 6-12ft from the ground. Traps should be placed so that the trap opening is not blocked by twigs and leaves.

4. Chemical control

Use a broad-spectrum pre- or post-harvest fungicidal application for stem end rot and Bacterial Black Spots and a suitable insecticide for control of fruit flies on a scheduled basis.

PLANT QUARANTINE OFFICES

Plant Quarantine Main Office
193 Old Hope Road, Kingston 6, Jamaica
Tel: (876) 977-0637 | **Fax:** (876) 977-6992

Norman Manley International Airport Office
Agricultural Export Complex
Norman Manley Int'l Airport
Kingston, Jamaica
Tel: (876) 924-8906 | **Fax:** (876) 924-8907

Sangster's International Airport
Agricultural Export Complex
Montego Bay, St. James, Jamaica
Tel :(876)940-4146 | **Fax:** (876) 940-5661

Website: www.moa.gov.jm
Email: ppq@moa.gov.jm

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Ministry of Agriculture, Fisheries & Mining
PLANT QUARANTINE/PRODUCE INSPECTION BRANCH

Growing Mangoes

for Export to the



Mangoes may be imported into the continental United States from Jamaica only under the following conditions:

The mangoes:

1. **Must** be grown on farms that are registered with the NPPO of Jamaica-the Plant Quarantine Produce Inspection Branch
2. **Must** be imported in **commercial consignments** only
3. May be treated with a broad-spectrum pre- or post-harvest fungicidal application for diseases
4. **Must** be treated for fruit flies by irradiation with a minimum absorbed dose of 150 Gy
5. **Must** be transported, from the farm to the packing house, in a covered vehicle, in bins covered with insect-proof mesh to prevent infestation of fruit flies.

Responsibilities of Growers

1. Register his/her orchard with Ministry of Agriculture, Fisheries & Mining (MOAF&M) 90 days before the export season begins.
 - Each orchard site will be issued a unique and permanent Production Unit Code (PUC), by MOAF&M which will serve as a traceability code

2. Establish clearly defined lots within the orchard from which fruits will be harvested and presented for pre-shipment inspection.
 - Only fruits from lots with less than 1 fruit fly per trap per day (FTD) will be authorized to harvest for export.
3. Implement and maintain the management practices and procedures
4. A year round fruit fly trapping system must be implemented in the orchard
 - Accommodation must be made for MOAF&M to inspect traps
 - Any damage to traps must be immediately reported to MOAF&M for replacement.
5. Keep records, including chemical treatment, trap servicing, pruning schedule.
 - Records must be made available to MOAF&M personnel for inspection upon request.
6. The workers must adopt hygienic practices at all times while on the farm.

Target/ Non-target Pest	Pest Type	Number found	Action
Target pest	Fruit fly (<i>Anastrepha suspensa</i> , <i>A. obliqua</i>)	1 or more	Reject consignment
	Scale Insect (<i>Coccus moestus</i>)	1 or more	Reject consignment
	Stem End Rot (<i>Phomopsis mangiferae</i>)	1 or more	Reject consignment
	Bacterial Black Spot (<i>Xanthomonas campestris</i> pv. <i>mangiferaeindicæ</i>)	1 or more	Reject consignment
Non-Target pest	Other insect pests, excluding Lepidopteran pupae or adults	1	Certify consignment but notify APHIS of the pest
	2 or more	Reject consignment	Reject consignment
	1 or more	Reject consignment	Reject consignment

Note:

If a pest or disease is detected at the port of entry in the United States, the shipment of mangoes would be denied entry into the United States and future shipments from the place of production where the mangoes were grown will be prohibited.

