

**GUIDELINES: PHYTOSANITARY REQUIREMENTS AND WORKING PROCEDURES
FOR EXPORT OF IRRADIATED TABLE GRAPES FROM RSA TO THE USA
Updated: 20 JULY 2011**

Critical criteria of the program:

- 1. Obligatory pre – clearance phytosanitary program**
- 2. Irradiation of Table grapes at an official approved irradiation plant**
- 3. Insect proof packing material to be used**
- 4. Special marking requirements to be applied**

Cultivars of grapes allowed

- All production areas
- All table grape cultivars

Critical Quarantine Pests

Ceratitis capitata – Mediterranean fruit fly

Ceratitis rosa - Natal fruit fly

Thaumatotibia leucotreta- False codling moth (FCM)

Eutetranychus orientalis – Oriental red mite

Phlyctinus callosus - Vine snout beetle

Requirements for the management of pests of quarantine importance (monitoring and control) in the orchards

- Mandatory implementation of good agricultural practices (GAP) for critical quarantine pests , weekly monitoring by bait traps for fruit flies , weekly monitoring of pests by trained scouting
- Spray programmes
- Orchard sanitation weekly
- Detailed and updated records must at all times be available for verification and audit purposes

Registration requirements with the Department of Agriculture (DAFF) DPH

- Annual registration of production units (PUC's)
- Annual registration of pack houses (PHC)
- Inspection points
- Irradiation facility

Packing requirements

- Cartons of grapes to be use = 4,5 or 9 Kg cartons
- Carton stickers (Attached) “Radura” sticker on bags or packages containing fruit in pest (insect) proof boxes
- Sticker info include PHC , PUC , TFC (Treatment facility code) for traceability and TIN (Treatment Identification Number) See (Appendix)
- Ensure all openings in the packages are covered with a plastic inner bag with holes not more than 0.8 mm at its widest point. No greater than 0.6 mm x 0.6 mm
- Use two mini – pallets to make up a full pallet (See guideline for packaging.)

Marking Requirements for Cartons in pack houses

- **The following information must be on the business end of each and every carton:**
 - PUC as registered with DAFF
 - PHC as registered with DAFF
 - Date code plus additional codes

Marking Requirements for all Pallets in the pack house

- Sticker with target market code "NI" (Not inspected) must be affixed to one side of each pallet
- ISPM 15 stamp must be legible and permanent
- No bark / No infestation
- Non-compliance will be rejected at pack houses by PPECB and ports by APIS

Consignment Size

- The minimum size of a consignment (without the sample pallets) to be submitted for phytosanitary inspection is 5 pallets per PUC cultivar

Sampling and Inspection rates:

Biometric sample must be drawn as required to ensure that the consignment are either free from or have a low infestation level of pests of concern. Pest tolerances will apply E

1.1 Calculating the number of samples per consignment

A total of 149 individual *fruits (bunches)* must be inspected. Note: If there are less than 149 fruit (bunches) total in the sampling unit, inspect 100% of the fruit.

Sampling protocol for different sized cartons:

(See guideline for sampling.)

Carton type	Average number of bunches	Biometric sample size
4.5 kg	11 bunches	149 bunches = 13.5 or 14 cartons

Documentation accompanying the consignments to the phytosanitary inspection points

- Original sample accompanying document
- Original intake documents (Consignment notes)
- No restriction on the number of intake documents (consignment notes) per sample accompanying document
- No intake documents (consignment notes) are allowed to be issued and stamped by PPECB at intake points, ports or phytosanitary inspections points

Inspection Point

- FPT – Cape Town

Marking Requirements for Pallets Approved at the phytosanitary inspection point

- An USDA Passed sticker will be affixed on two sides of the pallets.

Rejection Principles

- Consignments will be rejected if one or more of any of the quarantine pests are found during the phytosanitary inspection

Transport to Irradiation Facility

- Pallets of grapes passed phytosanitary inspection , transport to irradiation facility by refrigerated hi – cube shipping container
- Plug hi – cube container into electric power at irradiation facility

POST – IRRADIATION PROCESS AT HEPRO

- Move treated mini – pallets to insect proof palletization area.
- A shipping container door curtain or barrier is to be utilised between loadings of double – mini pallets to ensure optimal chain management
- Once the shipping container is fully loaded, close the doors and seal

Phytosanitary Certificate

- Phytosanitary certificate with **additional declaration:**
- **The fruit in the consignment was treated by irradiation with 400 Gy as the minimum absorbed dose. “The fruit in this consignment was inspected and found free of the mite, Eutetranychus orientalis.”**

DRAFTED BY APIS F. MÖLLER

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