

SCHEDULE

REGULATIONS

1. SHORT TITLE. These regulations may be cited as Banana (Protection and Quality Control) Regulations.

2. INTERPRETATION. Words and phrases used in these regulations shall have the meanings assigned to them in Section 2 of the Act and unless the context otherwise requires—

13. The Banana (Protection and Quality Control) Act ^{Repeal}
1969 is hereby repealed. _{13 of 1969.}

"the Act" means the Banana (Protection and Quality Control) Act 1934;

"the Banana Standards Manual" means the book of instructions and regulations for boxing plant and field packing operations and banana quality standard specifications and all amendments and revisions of and supplements to that book issued from time to time by the Authority;

"bruise" in relation to a banana means an actively deteriorating damaged tissue caused by the banana coming into contact with another object and "bruised" means tissue so affected;

"bunch" means a stem of bananas complete with a stalk with its hands;

"cluster" means a portion of a hand containing not less than 4 nor more than 12 contiguous fingers or such other number of fingers as may be prescribed by the Authority;

"carton" means a box into which bananas are packed for export and which shall be as specified by the Authority;

"crown" means the tissue which connects the hands to the stalk;

"crown pad" means a chemically treated absorbent pad or such other material as may be prescribed by the Authority and used for covering the cut surface of the crown in field packing operations;

"damaged" in relation to a hand or part thereof means having a finger or pedicel broken, bruised or ruptured by physical strain or contact;

"finger" means an individual banana fruit complete with skin pedicel;

"field pack manual" means the book of instructions and regulations for field packing of bananas and all amendments or revisions of and supplements to that book issued from time to time by the Authority;

"flower" means the parts of the inflorescence attached to that end of each finger;

“deflower” means the removal of the flower;

“hand” means the total natural complement of fingers attached to and supported by the same crown;

“holding” means any parcel of land on which bananas are grown for export and which is registered with the Association;

“part hand” means a portion of a hand having more than 12 fingers;

“pseudostem” in relation to a banana plant means a false stem consisting of tightly packed leaf sheaths and which is functionally the trunk of the plant and which connects the aerial parts of the plant to its corm;

“scar” means a cured bruise with or without callus tissue;

“sleeve” means the polyethylene tube or other material used to cover the bunch while it is developing;

“snapped” in relation to a banana plant means broken at the pseudostem or stalk;

“stale bananas” means bananas which have been reaped or harvested before the commencement of a cutting period, or which have been harvested from toppled or snapped plants;

“stalk” means that portion of the banana plant which supports and terminates as the main axis of the bunch;

“toppled” in relation to a banana plant means uprooted by the agency of man or otherwise;

3. BOXING PLANTS. (1) In exercising its discretion to grant to or refuse a grower a licence to erect and operate a boxing plant, the Authority shall have regard to such factors and circumstances as are specified in the Banana Standards Manual and may have regard to such factors and circumstances as the Authority considers to be relevant and in particular:—

- (a) the banana production of the growers holding—such banana production being normally expected to be at least four net tons per shipment;
- (b) the accessibility to vehicles of the proposed site for the erection of the boxing plant and for collection of packed cartons, and

- (c) availability of water which in the opinion of the Authority is considered to be adequate and suitable for boxing operations.

(2) Every boxing plant shall be covered and must—in the opinion of the Authority—be adequate to protect from water and heat all box components and boxed bananas awaiting shipment.

4. BOXING PLANT OPERATIONS. (1) All exportable bananas shall be selected, processed and packed in the manner stipulated in the Banana Standards Manual and shall be delivered to a reception station within 36 hours after the harvest thereof or within such period as the Authority may approve.

(2) Before bananas are packed for export at a boxing plant, the following rules shall be observed unless otherwise stipulated by the Authority:—

- (a) The bananas shall be deheaded and selected,
- (b) The hands or clusters shall be deflowered and washed,
- (c) The bananas shall be treated with a fungicide formulation approved by the Authority and in a manner approved by the Authority,
- (d) The bananas shall be finally selected for quality, and if rejectable, shall not be packed for export.

(3) All exportable bananas shall be packed in a carton or such other manner approved by the Authority.

(4) Exportable bananas packed and awaiting transport to a reception station shall be stored under dry and well ventilated conditions and in a manner approved by the Authority.

(5) Every boxing plant shall be maintained in a sanitary condition and after each shipment all trash, stalks and rejected bananas shall be removed from the boxing plant and the vicinity thereof.

(6) Every boxing plant shall be treated against pests in a manner approved by the Authority.

5. FIELD PACKING OPERATIONS. (1) A banana grower may apply to the Authority to be certified as a field packer and the Authority may so certify if it is satisfied that the grower's operations meet the standards and procedures prescribed by the regulations and directions of the Authority.

(2) A grower engaged in field packing shall adhere to the following:—

- (a) In order to ensure that proper disease and pest control are maintained, field sanitation shall be of a high standard, in that proper weeding control, proper drainage and recommended plant density shall be maintained and, dead and drying leaves shall be cut-off.
- (b) Whenever and wherever required by the Authority, all bananas shall be deflowered and shall be sleeved.
- (c) A shed for the storage of empty and packed banana cartons shall be provided. The shed shall be constructed in a manner set out hereunder or as otherwise approved by the Authority.
 - (i) the shed shall be adequately protected to prevent the wetting of cartons and other materials by rain.
 - (ii) the shed shall be constructed in such manner as to allow free circulation of air for adequate ventilation to prevent the over-heating of fruit.
- (d) Dehanding and packing of the bananas shall be carried out in a manner approved by the Authority.
- (e) Only exportable bananas shall be selected for packing.
- (f)
 - (i) at all stages in the operation latex must be prevented from staining the bananas,
 - (ii) the operation shall be carried out in a manner approved by the Authority.
- (g) The cut surface of the crown must be treated in the manner approved by the Authority.
- (h) The cartons shall be adequately protected from the rain and sun and must be adequately ventilated.

- (i) The field packer shall comply with the instruction of the Authority in regard to the protection of the boxed bananas against the infestation by pests.
- (j) Every field pack shed shall be maintained in sanitary condition and after each shipment all trash, stalk and rejected bananas shall be removed from the field pack shed and the vicinity thereof.
- (k) Every field pack shed shall be treated against pests in a manner approved by the Authority.

6. INLAND BUYING DEPOTS. (1) The inspection and handling of cartons at Inland Buying Depots shall be carried out in the following manner or as approved by the Authority.

- (a) Fruit shall be carefully handled during inspection.
- (b) The diethylene lining in the carton shall be replaced correctly after inspection.
- (c) Cartons shall be handled carefully while being stacked and loaded onto vehicles.
- (d) Pallets shall be used for stacking cartons.
- (e) Cartons shall not be carried or stacked on their ends, on their sides or upside down.
- (f) The building and surroundings shall be kept in a sanitary condition.
- (g) The building shall be treated against pest in a manner prescribed by the Authority.

7. WHARF AND SHIP LOADING OPERATIONS. (1) The inspection and handling of cartons on the wharf and handling during the loading of the ship shall be carried out in the following manner or as approved by the Authority.

- (a) Fruit shall be carefully handled during inspection.
- (b) The diethylene lining in the carton shall be replaced correctly after inspection.

- (c) Cartons shall be handled carefully while making up pallets.
 - (d) Cartons shall not be carried or stacked on their ends, sides or upside down, either on the wharf or the ship.
 - (e) Cartons or pallets of cartons shall not be left standing uncovered in the rain.
 - (f) Where facilities allow, bananas shall be loaded on to the ship on pallets.
 - (g) Due care and attention shall be exercised by persons involved in transferring cartons, whether singly or on pallets, from the wharf onto the ship to prevent the loss of or damage to such cartons.
 - (h) Where possible, cartons shall be stored on pallets on the ship.
 - (i) Cartons shall be made secure on the ship in a manner approved by the Authority—being a manner which does not jeopardise the safety of the ship.
 - (j) Cartons shall not be walked on except where necessary. In such cases, sheets of hardboard or other material approved by the Authority shall first be laid on top of the cartons to protect the fruit contained therein.
- (2) Wharves shall be maintained in sanitary conditions.
- (3) Wharves and ships shall be treated against pests in a manner and at intervals approved by the Authority.

8. REJECTABLE BANANAS. (1) A hand or cluster is rejectable:
- (a) If it contains less than four (4) fingers of exportable quality or such other number of fingers as prescribed by the Authority;
 - (b) If it cannot be cut (if necessary) to form an acceptable cluster or clusters;
 - (c) If all defective fingers thereof as described in paragraph (b) above of this regulation are not removed and the hand cut into acceptable clusters;

- (d) If it is marked with multiple spots which render it unsightly;
- (e) If it is marked by unsightly colorations such as those from rust thrips, unless the blemish as seen on the outside of the fingers is only faint and diffuse;
- (f) If it is affected by leaf rot or other disease to the extent that the fingers thereof are not properly formed or the pulp is soft either wholly or in part;
- (g) If the crown is cut appreciably smaller than its original size (excessively pared) or is still attached to a piece of the main stalk;
- (h) If the fingers thereof are excessively curved or otherwise mis-shapen, to the extent that proper packing is made difficult or if it contains twin fingers;
- (i) If the fingers of the outer whorl are less than the minimum length authorised by the Authority—such length being measured on the outside curve of the finger from the tip to the bottom of the pedicel where it joins the finger;
- (j) If it is not of the approved exportable grade;
- (k) If it is stale;
- (l) If the fruit is noticeably soft or ripening;
- (m) If it is scorched by the sun or has deteriorated or;
- (n) If it is otherwise rejectable under rules prescribed in the Banana Standard Manual;

(2) Defective fingers are those which:—

- (a) are damaged,
- (b) are noticeably bruised,
- (c) are cut,
- (d) are markedly scorched,
- (e) have finger end rot,
- (f) are markedly stained with dry latex in the case where bananas are delivered by boxing plants or are markedly stained with dry or wet latex where bananas are field packed, or
- (g) have other blemishes

9. REJECTABLE CARTONS. A carton of bananas is rejectable after inspection at a boxing plant or at a reception depot:

- (a) if it is badly packed, that is, if it is clear that the packing has led or will lead to deterioration of the fruit;
- (b) if the lining packing material is absent, of the wrong type, dirty, discoloured, insufficient, excessive or wrongly placed;
- (c) if it is underweight, that is, the contents of the standard carton weigh less than as prescribed by the Authority;
- (d) if it contains one or more soft or ripening fingers;
- (e) if it is crushed, badly mis-shapen, excessively bulging, wet, or with the divider badly placed;
- (f) if one or more hand or clusters have serious defects;
- (g) if the ventilation of the carton is substantially impaired;
or
- (h) if it is otherwise rejectable under rules prescribed in the Banana Standards Manual.

10. CARRIAGE OF BANANAS GENERALLY. (1) Where unpacked bananas are carried on any person's head to a boxing plant or to any other place where bananas are boxed, such bananas shall be carried on a padded container of a design which is acceptable to the Authority.

(2) Bananas shall be protected from the sun and from injury by methods acceptable to the Authority, and under no circumstance should exportable bananas be stacked on the bare ground.

(3) No exportable banana shall be loaded onto any vehicle unless provisions approved by the Authority shall have been made for the protection of the banana from bruises during its carriage in the vehicle.

(4) The Authority shall have power to prohibit any unsatisfactory practice in regard to the carriage, stacking or loading of bananas in the circumstances referred to in this regulation.

(5) Any vehicle carrying bananas shall comply with the following requirements:—

(a) The loading floor of the vehicle shall be flat and rigid and as far as practicable have smooth rigid sides without projections and with tie beams to hold the sides firmly together.

(b) There shall be a smooth and rigid front board separating the driver's cab from the load platform.

(6) Bananas shall be carried in vehicles with due care and attention, having regard to the conditions of the road.

(7) No more than five persons (including the driver and footmen) shall ride or be permitted to ride on a vehicle and no more than 3 footmen shall ride or be permitted to ride on the platform reserved for this purpose at the rear of the body of the vehicle.

(8) Persons riding with the load shall on no account sit, stand or lean heavily on the load.

(9) Loaded trucks shall not be parked in the sun for unreasonably long periods.

(10) Bananas may be transported to boxing plants whether as bunches or as hands and by any method which maintains the quality of the bananas and is approved by the Authority.

(11) Bananas intended for field packing shall not be transported on any vehicle.

(12) The load shall be protected from the sun. Where cartons are being carried, they shall be protected from the rain by an approved cover.

(13) Direct contact between the bananas and the body of the vehicle shall be avoided by the use of appropriate and adequate padding approved by the Authority.

(14) Padding shall be of such material as will not scratch or otherwise damage or adversely affect the bananas in their green or subsequent ripened state.

(15) The hands of bunches shall be separated by soft pads to prevent hands from damaging each other.

(16) Unless otherwise approved by the Authority the maximum height of packing bunches in a vehicle shall be eight feet.

(17) No article other than those used for the protection of the bananas as approved by the Authority shall be placed on any banana.

11. CARRIAGE OF HANDS. (1) Hands may be carried in field boxes or other manner authorised by the Authority.

(2) Field boxes shall be properly stacked in the vehicle as proscribed in the Banana Standards Manuals.

(3) Field boxes shall not be stacked so that they make direct contact with underlying fruit.

12. CARRIAGE OF BANANAS FOR DELIVERY TO RECEPTION DEPOTS.

(1) Vehicles for carrying bananas packed for shipment may have sides and if so, the sides shall be smooth and rigid with no internal protections or large gaps through which boxes might protrude.

(2) Cartons shall be loaded on to the vehicle with care. Cartons shall not be allowed to fall on to the floor or on other cartons.

(3) Cartons shall be stacked so that the weight of the load is borne by the carton and not by the fruit within. Cross-stacking should be used as far as possible.

(4) Cartons shall be stacked tightly with no gaps between them. If the width of the truck does not allow this, then a baffle board shall be placed to ensure a tight fit.

(5) Cartons shall not be stacked on their sides or on their ends.

(6) Cartons shall not be stacked more than 10 layers high.

(7) No person shall stand, sit or place any heavy object on stacked cartons so that the weight of the person or object is borne by the fruit therein.

(8) If cartons are loaded on pallets, appropriate steps shall be taken to secure the stability of the pallet load.

(9) The load shall always be fully covered to protect it from both sun and rain.

(10) Unloading shall be carried out with care. Cartons shall not be thrown on the vehicle floor or the ground or be made to slide along the floor of the vehicle.

Passed in the House of Assembly this 20th day of December, 1984.

J. CLEMENT NOEL.
Clerk of the House of Assembly.