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**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

SB/T 10448-2007

**Recommended international code of practice for packaging and
transport of tropical fresh fruit and vegetables
(English Translation)**

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Foreword

This standard is equivalent to the adoption of the Codex Alimentarius Commission (CAC) standard CAC/RCP44-1995 "Packaging and transport of tropical fruits and vegetables.

The Operating Procedures (English version), whose technical content and text structure are consistent with CAC/RCP44-1995.

Compared with CAC/RCP44-1995, this standard mainly has the following editorial changes.

--- Change "SECTION I ~ SECTION IV" in the CAC standard to "1 ~ 4";

--- Delete the headings of 1.1, 2.19.1, 3.5.1, 3.6.1 and 3.9.1;

--- The punctuation has been modified.

This standard was proposed by the China Business Federation.

This standard is managed by the Ministry of Commerce of the People's Republic of China.

This standard was drafted. China Vegetable Distribution Association, School of Environment, Renmin University of China.

1 Scope

This standard specifies the packaging and transportation methods for tropical fresh fruits and vegetables. The purpose is to enable the products to be transported and sold.

Maintain its quality.

2.1 Mode of transport and type of equipment

The following factors should be considered when selecting transportation methods and equipment.

---destination;

---product value;

- the degree of perishability of the product;
- The number of products;
- Storage temperature and relative humidity;
- outdoor temperature conditions of the origin and destination of the transport;
- the air, land or sea time required to reach the destination;
- Transportation costs;
- The quality of service for transportation.

2.2 The quality, reliability and transportation costs of transport services provided by different transporters should be carefully examined. Service and time are made every week Fixed or modified, sometimes cancelled abruptly. The shipper should always obtain relevant information from the airport or seaport authority at the origin and destination of the transport.

Latest news. Local trade publications are also a good source of information, and many transportation companies and their agencies will put their timetables and Information such as destinations is published in these publications in the form of advertisements.

2.3 When bulk cargo is transported and stored for a week or more, it should be transported using refrigerated trailers and freight containers. This can to ensure the quality of the products in the sales process. Transport companies with transport vehicles or containers can also provide door-to-door services that can be effectively reduced Loss caused by handling, exposure, mechanical damage and theft.

2.4 Air freight containers can also be used for door-to-door service. High value or highly perishable products are usually shipped by air. The cost of air transport is relative Higher, but transportation time can usually be shortened from a few days to a few hours.

2.5 Many products are shipped in air freight containers or cargo pallets without refrigeration equipment. This requires transportation of the origin and destination the airport can be closely coordinated during flight delays to ensure the quality of the goods. The airport should have temperature-controlled storage facilities to ensure the quality of the goods;

Refrigerated containers are used and used when needed; the use of incubators is another option.

2.6 Products that can be transported in refrigerated trailers and freight containers can sometimes be transported by air using short-term market opportunities, such as in the busy season.

At the beginning, when the supply is limited and the price is high. In this case, consider establishing an accurate and powerful system to display or monitor the operation.

The temperature and humidity in the entire transport container during the journey.

2.7 Long-distance transportation through hot or cold areas requires well-designed and robust transportation equipment to protect in harsh transportation environments Certificate product quality. The length of the refrigerated trailer should be 14.6m (48ft) and the length of the freight container should be 12m (40ft). In addition Meet the following indicators.

--- Under the conditions of ambient temperature of 38 ° C (100) and return air temperature of 2 ° C (36), the cooling capacity can reach 42000kJ/h (40000BTU/h);

---There is a high-efficiency blast dryer that can work continuously to increase the relative humidity and make the temperature distribution more uniform;

---The front of the truck has a strong return air mezzanine to ensure air circulation between the cargo;