

Optimal Fresh

The fruit, vegetable and fresh produce expert system



Detailed Report Printed on Wednesday, 19 December 2001

Crop cashew apple

Maturity stage General

Category Fruit

Plant Part Fruit

Usage Fresh/ Raw, Juice/ Drink,
Preserve/ Jam



Picture source: Thai Department of Agricultural Extension, 1993

Botanical name *Anacardium occidentale* L.

Botanical family Anacardiaceae

Cultivar notes Also cashew nut from this fruit

Alternate names include

(E) cashew apple

(G) Acajubaum

(S) anacardo

(F) anaccardier

(G) Kaschubaum

(S) marañón

Refrigerated Container/Coolroom Recommendations

Optimum product storage temperature

0.0 to 2.0°C

Temperature set point

0.5°C

Add a margin for uncertainty in equipment performance if necessary.
For return air control set point add 1°C to delivery set point.

Ventilation (air exchange) settings for containers: 6 m (20') =

15 m³/h = 10 cfm

12 m (40') =

30 m³/h = 20 cfm

Acceptable product temperature at loading into container

0.0 to 5.0°C

Key Properties

Storage time (days)†	Humidity (% RH)	Freezing point (°C)	Storage time at ambient (~20°C)	Ventilation rate
35 - 35	85 - 90	-	-	Low

† at optimum storage temperature

Other Properties

Ref	Maturity stage	Air exchange *	Freezing Point (°C)	Ethylene production **	Ethylene sensitivity	Ice compatibility	Water loss ***	% Water content	Bruising susceptibility
1	General	Low	0				H (4.4)		

* Air exchange rates: Nil = 0%; Very low = 25%; Low = 50%; Medium = 100%; High = 200%; Very high = 400% fresh air/hour.

** Ethylene production rates at 20°C: Nil = 0 nM; Very low = <4 nM; Low = 4 - 40 nM; Medium = 40 - 400 nM; High = 400 - 4000 nM; Very high =>4000 nM ethylene/kg/hour.

*** Where % weight loss/week is given this is converted as: Low <= 1%; Medium = 1.1 - 3.4%; High = >3.5%

Compatibility in Mixed Storage

Temperature compatibility group

0	7	13	20
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Humidity compatibility group

Dry 60-80%	Moderate 80-90%	High 90-95%	Very high 95-100%
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Not compatible with crops that:

Odours will be absorbed by:

Absorbs odours from:

References for cashew apple

Values quoted in Detailed Report are taken from a compilation of the best set of figures from all references. This best set of figures is always referred to as Reference 1.

See Reference Report for full listing of all values, original references and alternate names.