

Optimal Fresh

The fruit, vegetable and fresh produce expert system



Detailed Report Printed on Wednesday, 19 December 2001

Crop cashew nut

Maturity stage General

Category Nuts

Plant Part Nut

Usage Fresh/ Raw, Roasted

Botanical name *Anacardium occidentale* L.

Botanical family Anacardiaceae

Cultivar notes Also cashew apple from this tree

Alternate names include

(C) yao guo	(G) Acajubaum	(S) anacardo
(E) cashew nut	(G) Kaschbaum	(S) marañón
(F) acajou	(J-K) 6/ <- OE/B	
(F) anacardier	(J-R) kashu nattsu	



Picture source: Dept. Agriculture, NSW, 1980

Refrigerated Container/Coolroom Recommendations

Optimum product storage temperature

Temperature set point
 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') =

12 m (40') =

Acceptable product temperature at loading into container

Key Properties

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

† 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		0					1.7	Very Low

* 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%

Controlled Atmosphere

Ref	Maturity stage	% O2		% CO2		Temp°C		Benefit of controlled atmosphere
		min	max	min	max	min	max	
1	Shelled	0	0.5			0	5	Excellent

Reference notes

1 Vacuum packed

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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:

Seasonal Availability

Ref	Country	Region (where given)	Start Season	End Season	Start Peak	End Peak
1	Thailand		February	April	-	-

References for cashew nut

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.