



- g. The fruit has strong perceptible aroma.
- h. The fruit stalk is sweet when cut at harvest.



- i. The mature or ripe fruit floats in water and sinks when still immature or with defects.

Source of Information:

Pascua, Orlando C. & Sabornido, Myrna C. 1990. Maturity Indices in Durian". Terminal Report. BPI-DNCRDC.

Loquias, Virgilio L. & Gorion, Robert C. 2016. Durian Tree Management for Optimum Production: Flower and Fruit Thinning in Durian. (Phase 1). Terminal Report.. BPI-DNCRDPSC.

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MATURITY INDICATORS OF DURIAN



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Maturity indicators are used to determine if the durian fruits are ready for harvest before they fall or drop without impairing its quality. The taste and flavor is retained when harvested earlier than 108 days.

1. Age of fruit based on calendar days

Local varieties can be harvested at 106-108 days old.

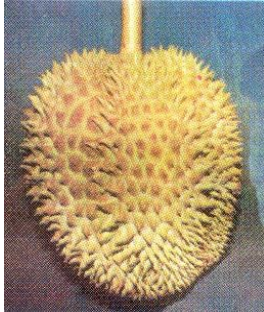


Introduced varieties can be harvested at:

Monthong, 125 days old.



Chanee, 112-113 days old

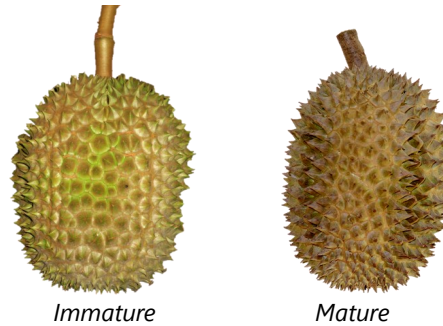


Calendar days is used as a general guide for determining the harvesting index of durian. There are some factors that can affect the maturity of durian fruits such as: elevation, and temperature. Durian fruits have longer or extended maturity period of 1-2 weeks in production areas with higher elevation and lower temperature (25°-30°C) than in areas with lower elevation and higher temperature. (30°-35°C).

Maturity Days from Fruit Set of Some Durian Varieties

Variety	Days of Maturity
Alcon fancy	90-100
Karn Yao	120-135
D24	105-110

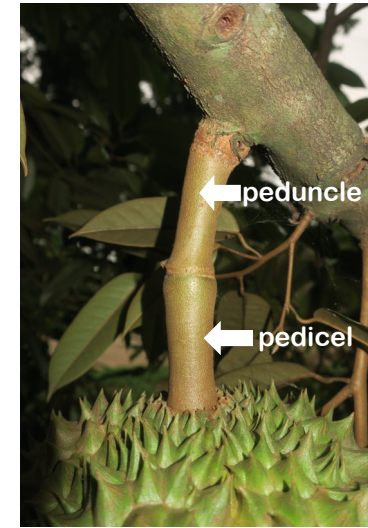
2. Changes associated with fruit maturity.



- a. **Husk color** — from green, to light brown with yellowish green tinge.



- b. **Tip of spines** — The immature fruit is green or light brown in color. When the fruit matures, the fruit tip turns into dark brown.
- c. **Spines** — The spines become more flexible and can be pushed inwards more easily than those of the immature fruits.



- d. The suture of the abscission layer on the pedicel becomes very distinct (swells).
- e. Rough peduncle surface when it is mature.



- f. The sound emitted by the fruit when tapped becomes dull and hollow.