

Coconut Variety For Commercial Buko Production

Galas Green Dwarf (GALD)

Plantation Sites: Galas, Dipolog City

**Conservation Sites:
(Planted in 1983)** PCA Zamboanga Research Center, San Ramon, Zamboanga City & Coconut Breeding Trials Unit, PSPC Mambusao, Capiz

Botanical and Morphological Description:



fairly small bunch, with medium sized nuts tending to crowd

The palm shows uniformity in nut size, e.g., mostly medium and with thick husk, a spherical and well-balanced crown, a relatively stout stem with a conspicuously tapering base, slow rate of upward growth, and green/yellow peduncle. Its immature fruits are deep green, while the newly opened inflorescences bear yellow flowers. Its fronds are rather short but its leaflets are more and longer if compared with the Kapatagan green dwarf. It has a

one another in a tight cluster. It bears normal inflorescence and exhibits good autogamy. The round fruit exhibits a flat shaped nut inside.

Outstanding Characteristics for Commercial Buko Production:

Based on the standards¹ set by C&A Products Co., Ltd., Thailand, the buko from Galas green dwarf passed the international standards for young tender coconut. It has an average circumference of 46 cm, with 137 g of meat, 5.2 mm thick and firmness of 1.9 lbs. It has an average of 318 ml water with 7.30% TSS and pH 5.9.

In the ZRC genebank, this variety produces an average of 70 nuts per palm/year with a potential production of 177. It has a medium chain fatty acid (MCFA) content of 72%, 54% of which is Lauric. Owing to this trait, e.g. 72% MCFA, its food value has also good nutritional properties.



¹ Circumference =>45cm; Meat weight = 100g; Volume of Water = 250 ml; Thickness of meat = 4.6 - 6.15 mm; Firmness of meat = <3 lbs; % Total Soluble Solids (%TSS) = >5; and pH = >5