

germinate with 50% nuts germinating in about 164 days after sowing. The average weight of the fruit is 1001.19g and, on an average, 241.14g of copra (dried endosperm) per fruit can be obtained. The copra contains about 66.50% of oil. The oil extracted from the copra of this variety has 47.88% of lauric acid.

The average quantity of tender nut water is 495ml. Based on the organoleptic test, the tender nut water is classified as "average" in taste. The nutritive value of tender nut water is : total sugars - 5.7g/100 ml; free amino acids - 1.3mg/100 ml; Potassium -2150ppm; Sodium - 23.5ppm. This high yielding variety will help enhance the coconut productivity in the country. This variety has the potential to produce on an average 22429 nuts, 5.41 tons of copra and 3.60 tons of oil per hectare.

**V. Niral, B. Augustine Jerard, K. Samsudeen, V. Arunachalam, P.M. Kumaran, M.J. Ratnambal, E.V.V. Bhaskara Rao, R.V. Filial, K. Satyabalan, K.U.K. Nampoothiri, M.K. Nair, K.V.A. Bavappa, R.V. Nair, George, V. Thomas, A. Bandopadhyay<sup>1</sup>, D.K. Ghosh<sup>1</sup>, J.K. Hore<sup>1</sup>, A. Sarangi<sup>1</sup>, S.K. Mitra<sup>1</sup>, P.K. Chattopadhyay<sup>1</sup>, S.C. Maity<sup>1</sup>, S. Arulraj<sup>2</sup>**

Central Plantation Crops Research Institute, P.O Kudlu, Kasaragod 671 124 <sup>1</sup>AICRP on Palms, Mondouri (BCKV); <sup>2</sup>PC AICRP on Palms, Kasaragod

### Coconut variety Kalpa Dhenu

Kalpa Dhenu (CCS-6) is a coconut variety developed by the Central Plantation Crops Research Institute (ICAR), Kasaragod. It was recommended for release by the XVII Biennial Workshop of the All India Coordinated Research Project on Palms and released by the Central Sub-committee on Crop Standards, Notification and Release of variety and notified vide Notification of Ministry of Agriculture (Department of Agriculture and Co-operation) S.O. 1714(E) dated July 18, 2008. Kalpa Dhenu (IND 006S) is essentially derived from the CPCRI accession IND 006. The population was developed at CPCRI through selection of superior high yielding palms and *inter se* mating between the selected palms in the original population. Seedling selection was made and superior seedlings were planted for evaluation. This variety gave an average yield of 3.66 tons copra/ha; 2.40 tons oil/ha; 15012 nuts/ha (under rain fed condition). The variety was found superior over local control (WCT) and the estimated copra and oil yield was 26.07% and 21.44% higher than WCT. The variety is relatively tolerant to drought.

The variety is suited for Kerala, Tamil Nadu and the Andaman and Nicobar Islands. The recommendation is based on the superior performance of the variety at CPCRI, Kasaragod in Coastal Kerala and AICRPP Centre, Aliyarnagar. The variety is also adapted to the Andaman and Nicobar Islands from where it was originally collected. The palms are regular bearers and commence flowering 67 months after field planting. The palms of this variety are tall and robust and appear gigantic. The fruits are large, oval in shape and green in colour. The time taken for 50% seed germination is about 99 days. The average weight of the fruit is around 1381.26g and 256.37g of copra (dried endosperm) is obtained per fruit. The copra contains about 65.5% of oil. The oil extracted from the copra of this variety has 50.26% of lauric acid.

The average quantity of tender nut water is 290ml. Based on the organoleptic test, the tender nut water is classified as "average" in taste. The nutritive value of tender nut water is as follows: total sugars - 4.92 g/100 ml; free amino acids -1.3 mg/100 ml; Potassium - 2650 ppm; Sodium - 24.6 ppm.

This high yielding variety will help enhance the coconut productivity in the country. This variety has the potential to produce on an average 22794 nuts, 5.56 tons of copra and 3.64 tons of oil per hectare.

**V. Niral, B. Augustine Jerard, K. Samsudeen, V. Arunachalam, P.M. Kumaran, M.J. Ratnambal, E.V.V. Bhaskara Rao, R.V. Filial, K. Satyabalan, K.U.K. Nampoothiri, M.K. Nair, K.V.A. Bavappa, R.V. Nair, George, V. Thomas, M. Kumar<sup>1</sup>, N. Meenakshi Ganesan<sup>1</sup>, S. Arulraj<sup>2</sup>**

Central Plantation Crops Research Institute, P.O. Kudlu, Kasaragod 671 124 <sup>1</sup>AICRP on Palms, CRS TNAU, Aliyarnagar; <sup>2</sup>PC AICRP on Palms, Kasaragod

### Coconut variety Kalparaksha

Kalparaksha (CCS-7) is a coconut variety released from Central Plantation Crops Research Institute, Regional Station, Kayamkulam. This variety was recommended for release by the XVII Biennial Workshop of All India Coordinated Research Project on Palms and released by the Central Sub-committee on Crop Standards, Notification and Release of variety and notified vide Notification of Ministry of Agriculture (Department of Agriculture and Co-operation) S.O. 1714(E) dated July 18, 2008.