

COCONUT INFLORESCENCE SAP PRODUCTS

NEERA (*Keramritham*)

PALM JAGGERY (*Kerachakkara*)

Dr. B. Jayaprakash Naik and

Associate Director,

Regional Agricultural Research Station, COA Padannakkad

Pilicode, Kerala

Dr. P.R. Suresh

Professor

Task force/ *technical committee:*

- *Constituted by Kerala Agricultural University as per the Order No. GA/L3/41624/10 (i) dated 17.02.2011*
- Dr. B. Jayaprakash Naik.
Associate Director, RARS Pilicode
- Dr. P.R. Suresh,
Professor, CoA, Padannakkad
- Dr. P.C. Balakrishnan,
Associate Director, Coconut Mission
- Dr. Madhu Subramanian,
Assistant Professor, RARS Pilicode
- Dr. Meera Manjusha,
Assistant Professor, RARS Pilicode

Nutritional qualities of Keramritham (Neera)

- Total sugar : 18 - 20%
- Vitamin C : 1.3mg/100ml
- pH : 6.8
- Acidity : 10.0 m eq/l
- Phenols : 8.0mg/100ml
- Minerals
 - K : 90.5ppm
 - Ca : 60.0ppm
 - P : 15.0ppm
 - Fe : 45.0ppm
 - Na : 9.5ppm









Keramritham



Economics of processing of Coconut inflorescence sap to soft drink (RTS) *'Keramritham'*

Expenditure	
Labour cost for tapping @Rs.400/day	12000
Labour cost for processing (Rs. 250/day)	7500
Cost of preservatives and other items	1000/month
Cost of fuel	-
Cost of bottling and packing	4500
Total expenditure	24000

Returns

Number of palms tapped by a taper a day	12 palms
Sap yield/day(Average 1.5L/palm/day)	$12 \times 15 = 18$ litres
Sap yield/month	$18 \times 30 = 540$ litres
Quantity of sap used for making soft drinks(2/3 of the total volume)	$540 \times 2/3 = 360$ litres
Quantity of sap after processing (Recovery 75%)	270 litres
Volume of sap/bottle	175ml
Total number of bottles	1530
Monthly income (Rs.25/bottle)	38250
Total Expenditure	24000
Net Profit/ month	14250

Income from single palm: Rs. 1188/month

PREPARATION OF PALM JAGGERY



Kerachakkara



Economics of production of palmgur (Jagerry) '*Kerachakkara*' from Coconut Inflorescence sap

Expenditure	
Cost of labour for tapping (@Rs.400/day)	12,000
Cost of processing	7500/month
Cost of fuel	1000
Miscellaneous	250
Total expenditure	20750
Returns/month	32400
Net profit/month	11650

Returns		
Number of palms tapped by a tapper a day	12 palms	-
Sap yield (Mean yield-1.5 L/palm/day)	$12 \times 1.5 = 18$ Litres	
Sap yield/Month	$18 \times 30 = 540$ Litres	
Yield of Jaggery/Month (15%recovery)	81Kg	
Returns(@Rs.400/Kg)	Rs.32400/- @Rs.400/kg	

Income from single palm : Rs 971/month



THANK
YOU