

# CAMEL

High Milk Yielding Animal with Nutraceuticals properties  
Along With Necessary Vitamin and Mineral Content

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# Nutrient Value of Camel Milk / properties/ Other Data

## GENERAL PROPERTIES

- Ave Daily Milk Production of Camel is 4 to 10 L during Lactation Period of 12-18 Months
- With Improved Feed Yield Could increase to 20L/day
- Camel Milk Has same Protein Content Cow Milk with SNF of 7.5 to 8.5
- Insulin in Camel Milk: 40.5(MuU/ml)
- Casein is major Protein in Camel Milk
- Milk Remains Stable for 8 hrs at Room temp

## ICAR RESEARCH WHICH CAN HELP IN VALIDATION

- Autism and Camel Milk
- Research Done by ICAR-NRCC Bikaner on 108 Children with Camel Milk
- Improvement was Seen on all children reflecting beneficial effect in all conditions
- Same effect was seen Against MDR TB patients.
- Camel milk helped in fast recovery as an adjuvant nutritional Supplement

## MEDICINAL PROPERTIES

- ICAR-NRCC Bikaner has done considerable research on its Medicinal Properties
- Helps Fight Against AUTISM
- Suitable with People with Lactose Intolerance
- Effective Management against Type-1 Diabetes
- Antimicrobial Effects on Rotavirus, Corona Virus, Hepatitis C
- Beneficial Effect against MDR TB/ Anti Cancerous

## INDIA AND WORLD STATISTIC

- Camel Population: 0.25 Million
- World Camel Population: 27 Million
- Camel Population has been decreasing because of less use in transportation
- Camel Milk is highly Untapped segment, harnessing Camel Milk is the only way to Save our Camels, which in turn will create Wealth and Employment to our Farmers
- In India, AMUL is already Marketing Camel Milk

# CAMEL MARKET DYNAMICS & SEGMENTS

## BY PRODUCT TYPE



- Pasteurized Camel Milk
- Raw camel milk
- Flavored Camel Milk
- Camel Milk Cheese
- Camel Milk Yogurt
- Camel milk Laban
- Camel Milk Ghee
- Camel Milk Powder
- Camel Milk Ice Cream
- Camel Milk Infant Formula
- Others

## BY PACKAGING TYPE



- Bottles
- Cartons
- Cans
- Jars
- Others

## BY MARKET



- Africa
- The Middle East
- Asia
- Oceania
- Rest of the World

## BY DISTRIBUTION CHANNEL



- Hypermarkets & Supermarkets
- Convenience Stores
- Online Stores
- Specialty Stores
- Others



# FINALLY

## IMMEDIATE ACTION PLAN

- Like Amul, State cooperatives with Camel Population can be encouraged to process and Market Camel Milk
- Promotion of Camel Milk processing Unit under Animal Husbandry Infrastructure Development Fund.
- Creating Awareness on Camel Milk, which in turn will increase the demand, attracting more Private investment
- More extensive research is needed to confirm these health benefits.

## CONCLUSION

- Camel milk and their products are a good nutritional source for the people living in the arid and urban areas.
- Production of camel milk is gradually increasing due to an increased interest by consumers in recent years.
- Various dairy products have produced successfully from camel milk which are slowly entering into the consumer chain.
- Fresh and fermented camel milk were reported to provide particular health benefits to the consumer depending on the bioactive substances in milk.

