



The gum arabic obtained from *Acacia senegal* is widely used in domestic purpose, fetches a domestic market cost of Rs. 1000.00 per kg. Farmers get additional income and employment by using CAZRI gum exudation technology in arid western Rajasthan.

- *Acacia senegal* is the major source of gum arabic and it is commonly found in arid western Rajasthan.
- Traditionally gum arabic is harvested from *A. senegal* trees by making injury at certain points on tree trunk.
- Collection from traditional method yields only 15-25 g gum per tree.



CAZRI gum inducing method for enhancing gum Arabic production

- Gum yield with this technique is on an average 500g per tree, which is 25 times higher than traditional method.
- Consistent and systematic efforts towards sustainable gum production can reduce the import bill of India to a considerable extent.

- In last 10 years 247.17 thousand *A. senegal* trees were treated and had a production of 102.8 t gum arabic in arid western Rajasthan.
- The technology generated Rs. 698.79 lakh additional income in village and CAZRI has earned revenue of Rs. 30.53 lakh by the supply of gum inducer.



Technology

