

Why natural population so drastically reduced?

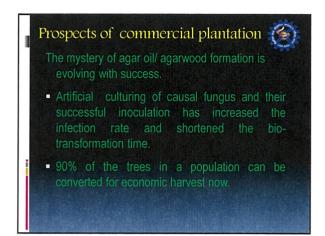
Destruction of forest.

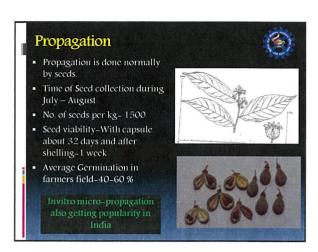
Unscientific exploration i.e. random felling.

Agar trees become valuable only when it falls sick or ceases to grow or died. So the economic exploration if done properly should not hamper eco-balance.

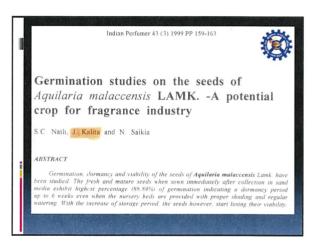
Major assault came with the emergence of petrodollars in Middle East.

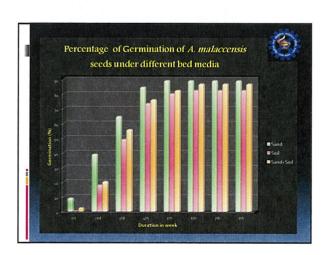
Doves are very fond of Agar seeds — in natural stand this is another reason of low regeneration.

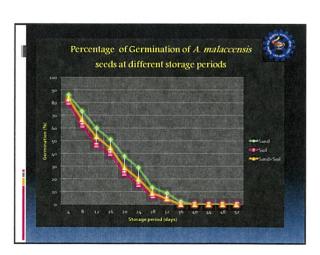














- Š A. sinensis
- A. bancana

A. crassna

- xii) A. ovata xi) A. hirta

x) A. microcarpa

#### Variety



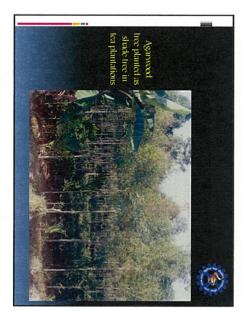
- No identified variety so far, but two distinct type can be identified in field
- Jati sanchi -Desired type which gets infected frequently and yields oil/agaru in due course of time
- Bhola sanchi -Fast growing but infection is very poor, not preferred by growers.

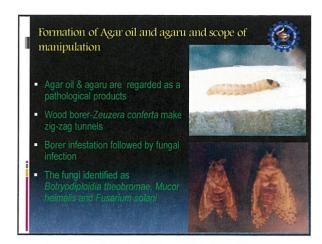
- Intercropping

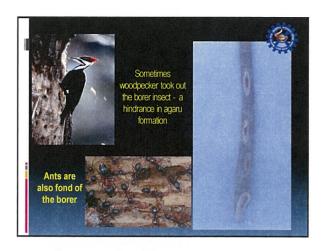


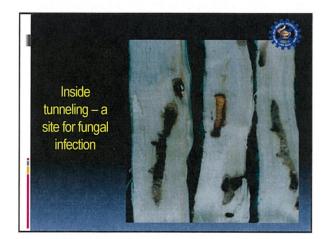


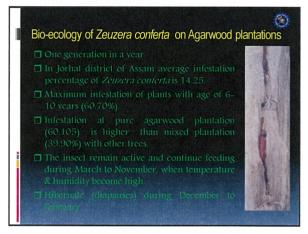












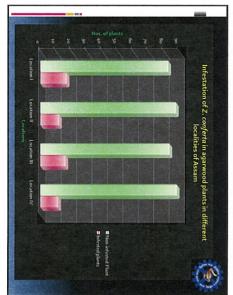






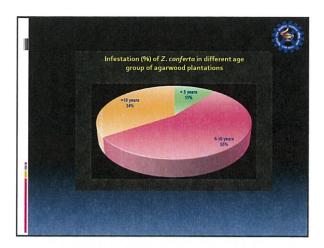


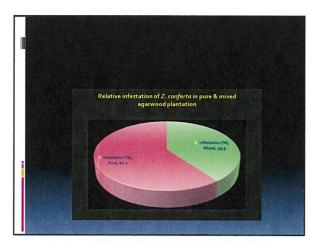


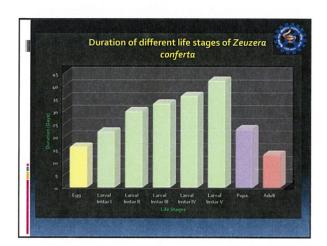


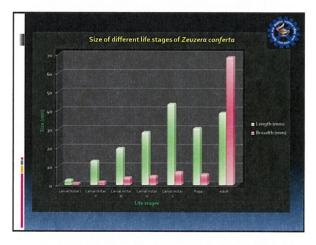


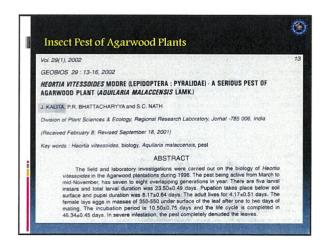




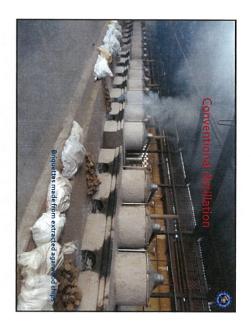












### Future scope

(1)

- Quality that produce in NE part of India is unmatchal and considered nature's gift
- To promote popularize as plantation crop and mixed plantation under orchards
- Planting agarwood for wasteland utilization as value plantation crops.
- To remove prohibitory regulations for commercial exploitation and categorize it under agro-base cottage industry

#### Future scope

- Encourage mass plantation wherever possible to make the future industry viable in an area
- Improve distillation/extraction and make value addition
- Technological development covering identification and development of elite var. and mass propagation by tissue culture etc.
- Biotransformation of wood in quickest possible time.
   The available techniques can increase the efficacy about 10 times.

## Future scope in Assam (contd.)

- To develop technique for harvesting i.e. only the infected trees – training to collector, growers
- Explore commercial utilization of byproducts-spent dust and Boya (low grade) oil
- Explore its medicinal, cosmetic and other economic values for its wider market.



# Future scope in Assam (cond.) • Make economically viable & attractive by adopting intercropping with other MAPs, standard for vanilla. • Liberalization of trade and inceptive in export of processed agar products.