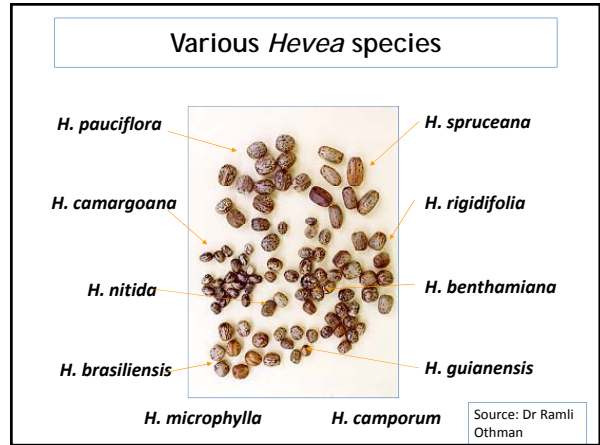
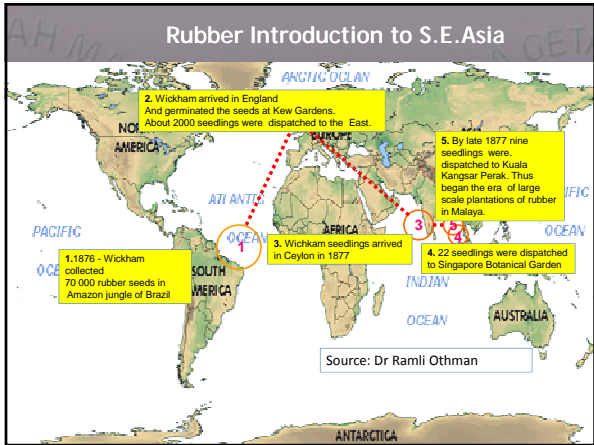
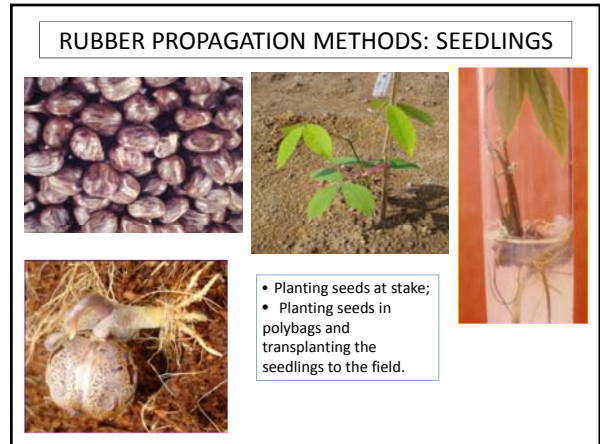


The biology of rubber plants, its cultivation and propagation methods



- ### SPECIES OF HEVEA
- There are 11 (10) species of *Hevea*;
 - *H. brasiliensis* – the commercial species planted worldwide;
 - *H. benthamiana* – planted in small scale in the Americas. Earlier this species was thought to be resistant to SALB and was hybridized with *H. brasiliensis*;
 - *H. pauciflora* and *H. rigidifolia* – So far immune to SALB. Popularly used for crown budding;
 - *H. spruceana*, *H. guianensis*, *H. camargoana*, *H. nitida*, *H. microphylla*, *H. camporum* – These species have not been commercially planted
 - *H. paludosa* – Its existence is not confirmed



RUBBER PLANTING MATERIAL: BUDDED STUMPS



Bare root budded stumps

Polybag Budded stumps



RUBBER PLANTING MATERIAL: BUDDED PLANTS



Two whorled budded plants, the most common planting material

Two whorled budded plants and advanced planting materials (5-whorled plants, mini and maxi stumps)

PREPARATION OF BUDDED PLANTS



BUDWOOD NURSERY

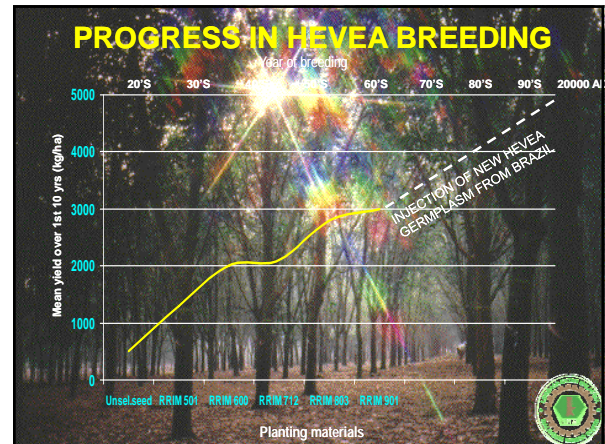
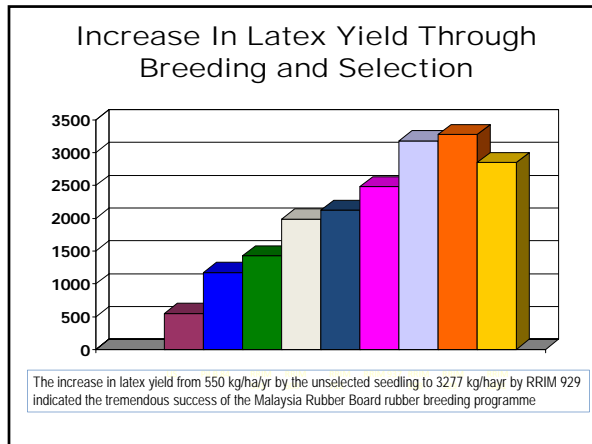


TYPE OF BUDWOOD



Green budwood

Brown budwood



Breeding and Selection to Increase Latex Yield and Improve Secondary Characteristics: new genes are needed

1981 IRRDB Expedition

1995 MRB Expedition

NEW EXPEDITION

- IRRDB is planning for a new expedition;
- Necessary to widen the existing narrow genetic base (22 Wickham seedlings);
- Increasing rubber cultivation in non-traditional areas e.g. drought (India) and cooler areas (China);
- Target for other Hevea species, rubber from different regions and habitat;
- Seeds or budwood from wild trees will be targeted.