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ORNAMENTAL BAMBOOS FROM BRAZIL

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A decorative border of bamboo stalks runs vertically along the left and right sides of the slide. The stalks are shown in various shades of green and yellow, with some showing the characteristic nodes and internodes.

- Part 1

Native ornamental species

- Part 2

Post harvest trials of bamboo
cut foliage

Bamboo Genetic Resources in Brazil

- Exotic bamboo species = 100, but only about 10 in cultivation
- Native bamboo species = 250 (33 genus), none in cultivation



IAC collection at Tatuí

Main Ornamental Genus

- *Colantellia*
- *Chusquea*
- *Merostachys*
- *Olyra*
- *Parodiolyra*
- *Pariana*
- *Raddia*
- *Raddiella*

Habitat

- Major of the species occurs in the:
- Atlantic rain forest – along the Brazilian east coast
- Amazon
- Cerrado (savannah) – central Brazil

Brazilian Biomes



Olyra and *Parodiolyra* flowers



Olyra and *Parodiolyra* plants



Pariaria radicyflora



Merostachys



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21/12/2011

Collantelia



Raddia



Raddiella esenbeckii



Apoclada simplex



Filgueirasia arenicola



Stripped *Guadua tagoara*



Red shades and spots in the leaves and culms



Discussion

- There are several potential species for use as pot-plant and garden plant

BUT

It is necessary:

- Right identification of species
- Domestication trials
- Seed propagation, vegetative propagation (including tissue culture)
- In case of pot-plant, post-production studies

Post harvest trials of bamboo cut foliage

- Exotic bamboo species
- *Bambusa*
- *Phyllostachys*

Dr. Gláucia Dias



1st. Observation – 3 days in the water



24 hrs. treatment with different solutions



Bambusa nutans



Bambusa nigra



Phyllostachys bambusoides

Bambusa textilis nr. 25

Stalks treated by pulsing with GA + Tween 20, and the control in water, after 3 days



Stalks with immersed knots (control), non-immersed knots, treated with Tween and Tween + GA₃, cut and uncut base, after 8 days



Leaf disease decreases the ornamental value as cut foliage



Virus?
Bacteria?
Fungus?
Physiological?

Conclusions of Post-harvest of Bamboo cut foliage

- Not every species is suitable
- A good species must keep the cut foliage at least for 1-2 days in pure water
- After treatment with GA_3 + Tween 20, and cut the stalk base every 2 days, the post harvest quality can be kept until **8 days!**

Thank you!



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