



EUCALYPTUS IN BRAZIL

by

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SILVOTECNA XII

Pulpas , papeles y productos
maderables de Eucalyptus

La estrategia brasileña para valorar la diferenciación

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HISTORY

- **Eucalyptus were introduced in Brazil in the late 1890's coming from Uruguay**
- **Commercial plantations started in early 1900's to supply wood to the railroads , thanks to work of Mr. Edmundo Navarro de Andrade , who brought seeds from Australia**

HISTORY

- \$ The use of eucalyptus for pulping and papermaking started in 1930's , in a sulphite mill (Gordinho Braune / Jundiaí)**
- \$ The great success came with Cia Suzano in the mid 1950's , in a new kraft pulp and paper mill in São Paulo state**

BRAZILIAN ECONOMIC MIRACLE

\$ In 1967 , the Brazilian Federal Government launched a program to incentive the plantations of forests , based on taxation exemptions: eucalyptus and pines became the dominant forest species in the program

BRAZILIAN ECONOMIC MIRACLE

\$ Thirty years ago , the forest - based industry and the University of São Paulo created the IPEF , the most successful example of cooperative research program in Brazil

TRADICIONAL EUCALYPTUS

- **Till 1970:** *Eucalyptus saligna* , *E. alba* ,
E. citriodora , *E. paniculata* , *E. robusta* ,
E. tereticornis , *E. grandis* , *E. viminalis*
- **Early 70's:** Improved seeds from Australia,
Rhodesia , Timor and from seed orchards:
Eucalyptus grandis , *E.urophylla* ,
Eucalyptus saligna

CLONAL FORESTRY

- **The canker and the threat of survival**
- **Tropical eucalyptus**
- **Hibridation / Controlled crossings**
- **Cloning and all advantages associated with the technique**

CLONAL FORESTRY

- **The present and the future:
Híbridos and cloning
Back crossing / Tri-cross / etc.**
- **New species: Eucalyptus dunnii
,Eucalyptus globulus , E. maideni**
- **High yield , low lignin , high quality**
- **Tailor made pulps and papers**

BRAZILIAN ECONOMICAL MIRACLE

- **Explosive growth of the pulp and paper industry: Klabin , Suzano , Champion , Ripasa , Simão , Votorantin , Igaras , etc**

OPENING INTERNATIONAL DOORS

- **GT EUCA**
- **Market Pulp Seminars : PPI**

BRAZILIAN ECONOMICAL MIRACLE

\$ In 1974 , the Brazilian Government decides to promote market pulp production with export purposes , including this priority in the PND (National Program of Development)

\$ PNPC : National Program of Pulp and Paper (very ambitious)

BRAZILIAN ECONOMICAL MIRACLE

- **Along the 70's , several world class mills started up production: Riocell , Cenibra , Aracruz , Jari**
- **Along the 80's , Bahia Sul , and a great increasing in capacity in most of the mills , both domestic and exported-oriented**

DEMANDA GLOBAL POR PRODUTOS FLORESTAIS E MADEIRA

(milhões de unidades)

Produtos	1989	2010
Papel e Papelão (t)	230	443
Celulose (t)	153	283
Painéis de madeira (m ³)	129	313
Madeira Serrada (m ³)	501	745
Madeira Industrial (m ³)	1.677	2.674
Madeira para Energia (m ³)	1.785	2.395
Total (m³)	3.462	5.069

FAO

BRAZILIAN FOREST SECTOR

- **Total sales**
 - US\$ 17 billions
- **Exports**
 - In 1997, US\$ 3,3 bilhões (7% Brazilian total exports)
 - Taxes
 - US\$ 2 billions
- **2.2% GDP**

BRAZILIAN FOREST SECTOR

Participation in the international commerce

- 2 % in the forest products commerce**
- 2 % in the international paper trading**
- 9 % in the market pulp trading**
- 1,2% in saw timber/lumber international market**
- 47% in the world eucalyptus pulp production**

A recognition to the eucalyptus as source of sustainable development

