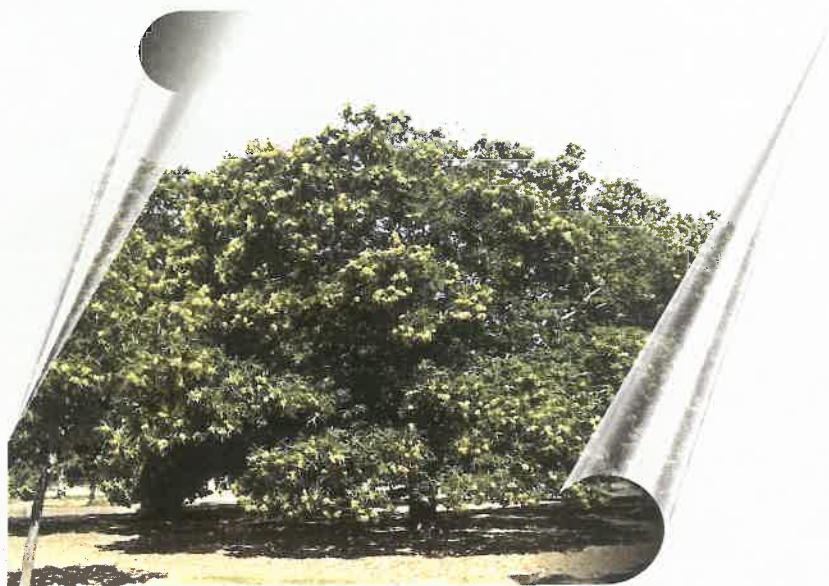


III INTERNATIONAL Chestnut Congress



**Forte de S. Francisco Hotel
Chaves, October 20-23, 2004**



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- i) The Proceedings will be published as a peer-reviewed issue of *Acta Horticulturae*. The manuscripts are subject to acceptance by the referees, editors and the journal. Please follow the ISHS Guidelines (www.ishs.org/acta/index.htm). Manuscripts should be as concise as possible in order to reduce to a minimum the number of pages. The total length of texts should not exceed 8 pages. Any text, which does not comply, will be sent back to the author;
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Programme

Wednesday, October 20th, 2004

08.00 - 10.00	Registration of participants and POSTER DISPLAY (Sessions 1 - S1.01-S1.21 and 2 – S2.01-S2.23)	
10.00 - 11.00	Opening ceremony and welcoming addresses	
11.00 - 11.30	Coffee break	
11.30 - 12.00	Giancarlo Bounous	2
	The chestnut: a multipurpose resource for the new millennium	
12.00 - 12.30	Sandra Anagnostakis	3
	Chestnuts in the United States for food and for timber	
12.30	Lunch	

PLENARY SESSION 1

General Reports: Chestnut Growing, Economy, Marketing, Harvest and Fruit Processing

<u>Chairperson:</u>	Stephanos Diamandis	
14.15 - 14.30	M. Conedera, M. Manetti, F. Giudici and E. Amorini Chestnut as a resource in Europe	4
14.30 - 14.45	S. Pereira-Lorenzo, M. Ramos-Craber, M. Díaz-Hernandez, Cordia-Ara, D. Rios-Mesa, J. G. Díaz and L. Caruncho-Picos Chestnut cultivars in Spain	5
14.45 - 15.00	S. Novak-Agbaba., B. Liovic, J. Medak and D.Slade Chestnut research in Croatia	6
15.00 - 15.30	Discussion	
15.30 - 16.30	Coffe break and POSTER SESSION	
16.30 - 16.45	S. Morris and J. Jobling Effects of sanitizers, packaging, storage atmosphere and cultivars on storage of chestnuts	7
16.45 - 17.00	J. Jaublan, J. Montigaud and D. Rios The competitive advantage of Chilean national fresh chestnut industry	8
17.00 - 17.15	G. Sacchetti, G. Pinnavaia, P. Pittia and D. Mastrocola	9

SUSTAINABLE MANAGEMENT OF CHESTNUT FORESTED AREAS IN HIGH FOREST AND
COPPICE SYSTEMS

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Since 2002 a AGRO research project, supported by European Community, is being developed aimed to propose and to validate models for chestnut forests sustainable management in two subsystems: high forest and coppice. The management has been based in silvicultural techniques having in view the conservation and rational utilization of soil as well as the suitable account for biomass, tree incorporated and lift annual soil restored nutrients, including good environmental practices, promoting seedling, assuring the ecosystem continuity, health and vitality.

We also intended in this project to evaluate the productive potentiality of *Castanea sativa* Mill., through the establishment of volume and biomass prediction equations, modeling the relationship of tree height to diameter at breast height and defining site index

At the present time and for the high forest subsystem, dendrometrical measurements were made in all standing trees from installed plots already existent in communal old stands where, we also felled some trees for characterization and account of biomass by components. A final cut was applied in one of those stands and, data altogether, is being statistically processed for productive potentiality evaluation. Still for high forest, dendrometrical measurements were made in all 15 new 3000m² plots installed in forest producers owned properties and equally distributed by 5 empirically defined productive levels. One of these young plots was the stage for a forest producer's demonstration action on stand improvement.

For the coppice subsystem, management models have been made available and discussed *in situ* with forest technicians and producers by means of another demonstration action.

Key Words: *Castanea sativa* Mill.; Research project; Sustainable management; Productive potentiality.