



付属資料9. 主要カウンターパートの履歴概要

 Epagri	<p align="center"> Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina S.A. Estação Experimental de São Joaquim Rua Presidente Kennedy s/n, Bairro Jardim Caiçara, C.Postal 81 Fone/Fax: (0492) 33-0324 - CEP 88600-000 - São Joaquim, SC, Brasil </p>	 GOVERNO DE SANTA CATARINA
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**CURRICULUM VITAE
(ABSTRACT)**

1 - Name: Vera Lúcia Iuchi

2 - Address: EPAGRI/Estação Experimental de São Joaquim
Caixa Postal, 81, 88600-000, São Joaquim, SC., Brazil
Telefone/Fax (0492) 33-0324

3 - Date of Birth: December 06, 1947

4 - Educational Record:

a) Engenheira Agrônoma - from Federal University of Viçosa, MG., Brazil - 1974

b) Msc - from Federal University of Viçosa, MG., Brazil - 1978

c) Dsc - from Federal University of Viçosa, MG., Brazil - 1994

5 - Investigacion in Progress

- Agents physique and chemist on acceleration ingress for production on plantation of high density in apple tree.

- Growth regulator in pear tree for increase fruit set and repress vegetative growth.

- Potato's nutrition.

6 - Proficiency in Languages:

Language	Speak	Read	Write
English	No	Yes	No
Spanish	No	Yes	No

PUBLISHED ARTICLES

- IUCHI, T.; PINHO, J. de O., IUCHI, V. L. Efeito de óleo mineral e DNOC sobre a quebra da dormência da macieira (*Malus domestica* Borkh) cv. Brasil (Effect of mineral oil and DNOC on dormancy breaking in apple tree (*Malus domestica* Borkh) cv. 'Brazil'). Revista Brasileira de Fruticultura, 9(2):15-21, 1987.
- IUCHI, T.; IUCHI, V. L. Efeito de época de aplicação da mistura de óleo mineral e DNOC sobre a quebra da dormência da macieira (*Malus domestica*, Borkh). (Effect application time of mixture mineral oil and DNOC on bud dormancy breaking apple tree (*Malus domestica* Borkh). In Congresso Brasileiro de Fruticultura, VIII. Brasília, 1986. Anais, Brasília. SBF, 1986. v. II, p. 327-335.
- IUCHI, T.; IUCHI, V.L.; SAID, J. P. Efeitos de óleo mineral e DNOC sobre a quebra da dormência em gemas de ameixeira (*Prunus salicina* Lindl.). (Effects of mineral oil and DNOC on bud dormancy breaking of plum tree (*Prunus salicina* Lindl.). Revista Brasileira de Fruticultura, 7 (único): 59-65. 1985.
- IUCHI, T.; PINHO, J. de O.; IUCHI, V. L. Comportamento preliminar de cultivares de pêsego e nectarina na região serrana do Estado do Espírito Santo. (Preliminary behaviour of peach and nectarine on mountainous region Spirito Santo State. Congresso Brasileiro de Fruticultura X. SBF, FORTALEZA, 01-06 OUTUBRO, 1989. P. 57.
- IUCHI, T.; IUCHI, V. L. Efeito do tipo de gemas floríferas sobre o tamanho dos frutos da macieira (*Malus domestica* Borkh) cv. Jonared. (Effect of the bud flower class on the fruit size of the apple tree (*Malus domestica* Borkh) cv. Jonared. Revista Brasileira de Fruticultura, 13 (1):9-15, 1991.
- IUCHI, T.; IUCHI, V. L. Efeito do arqueamento, anelamento e óleo mineral + DNOC sobre a quebra de dormência da macieira (*Malus domestica* Borkh). (Effect of the incurvation ringing, and mineral oil + DNOC on dormancy breaking of the apple tree (*Malus domestica* Borkh). Rev. Bras. Frutic., 13 (3): 139-45. 1991.
- IUCHI, V. L. Morfologia, biologia floral, propagação e crescimento de 'Rainha do Abismmo' (*Sinningia leucotricha*) (Hoehne) Moore). (Morphology, floral biology, propagation and growth of the "Abyss's Queen" (*Sinningia leucotricha* (Hoehne) Moore). Viçosa, U.F.V., 1994. 168p. (D.Sc. Thesis).



Epagri

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Estação Experimental de São Joaquim

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GOVERNO DE SANTA CATARINA

CURRICULUM VITAE (ABSTRACT)

1 - Name: Adilson José Pereira

2 - Address: EPAGRI/Estação Experimental de São Joaquim
Caixa Postal, 81, 88600-000, São Joaquim, SC., Brazil
Fone/Fax (0492) 33-0324

3 - Date of Birth: May 01, 1953

4 - Education Record:

a) Engenheiro Agrônomo - from Federal University of Paraná, Curitiba, PR., Brazil - 1975

b) MSc - from Federal University of Rio Grande do Sul, Porto Alegre, RS., Brazil - 1983

5 - Present Position: Phytotecny Researcher

- Studies on affinity of scion cultivars and rootstocks of apple
- Pruning and training of apple cultivars in middle and high densities orchards
- Chemical thinning for the new apple cultivars that have been released for Santa Catarina.

6 - Proficiency in Languages:

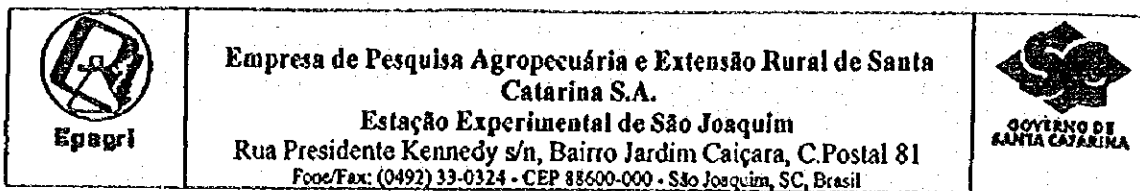
Language	Speak	Read	Write
English	No	Yes	No
Spanish	No	Yes	No

7 - Publications:

PEREIRA, A. J. Effect of timing and concentration of naphthalenoacetic acid (ANA) and carbaryl, with and without mineral oil, on the thinning of apples cv. 'Gala'. Acta Horticulturae, (232):141-46, 1988.

PEREIRA, A. J. Efeito da época de aplicação do ANA e CARBARYL, em mistura com óleo mineral, sobre o raleio de frutos em macieira, cv. Gala. IN: SIMPÓSIO INTERNACIONAL SOBRE A CULTURA DA MACIEIRA EM CLIMA TROPICAL E SUBTROPICAL. Florianópolis, EMPASC/DID, 1987. 115p.

PEREIRA, A. J.; EBERT, A.; BRIGHENTI, E. & PETRI, J. L. Raleio de frutos. IN: EMPASC. Manual da cultura da macieira. Florianópolis, EMPASC, 1986. p. 321-340.



**CURRICULUM VITAE
(ABSTRACT)**

1 - Name: Luiz Gonzaga Ribeiro

2 - Date of Birth: April 04, 1955

3 - Address: EPAGRI/Estação Experimental de São Joaquim,
Caixa Postal 81, 88600-000, São Joaquim, SC, Brazil.
Telephone/Fax (0492) 33-0324

4 - Education Record:

a) Engenheiro Agrônomo - from Fundação Faculdade de Agronomia Luiz Meneghel,
of Bandeirantes, PR., Brazil - 1979

b) Msc - from Universidade Federal do Paraná, Curitiba, PR., Brazil - 1988.

5 - Present Position - Entomology Researcher

- Populational Dynamic Study of *Panonychus ulmi*, *Anastrepha fraterculus*, *Lepidosaphes ulmi*.
- Sampling Technique of Mites
- Chemical and Biological Control of Red Mites and Fruit Fly

6 - Proficiency in Languages:

Language	Speak	Read	Write
English	No	Yes	No
Spanish	No	Yes	No

7 - Publications:

RIBEIRO, L. G. & HUMERES, E. Ciclo de vida de *Panonychus ulmi* (Koch, 1836) (Acari:Tetranychidae) em pereira, cultivares Red Bartlett e Packham's Triumph. IN: CONGRESSO BRASILEIRO DE ENTOMOLOGIA, 14., 1993, Piracicaba, *Resumos ...* Piracicaba:SEB, 1993. p. 42

RIBEIRO, L. G. & HUMERES, E. Ciclo de vida de *Panonychus ulmi* (Koch, 1836) (Acari: Tetranychidae) em pomares de macieira da região de São Joaquim, SC. IN: CONGRESSO BRASILEIRO DE ENTOMOLOGIA, 14., 1993, Piracicaba. *Resumos ...* Piracicaba: SEB, 1993. p. 500

RIBEIRO, L. G.; KOVALESKI, A.; HUMERES, E.; AMORIN NETO, A. Distribuição de mosca-das-frutas *Anastrepha fraterculus* em pomares de macieira. IN: CONGRESSO BRASILEIRO DE ENTOMOLOGIA, 15., 1995, Caxambu, MG. *Resumos ...* Lavras, MG: SEB/ESAL, 1995. p. 116



Epagri

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GOVERNO DE
SANTA CATARINA

CURRICULUM VITAE (ABSTRACT)

Name: Pedro de Alcântara Ribeiro
Nationality: Brazilian
Date of Birth: October 09, 1939
Place of Birth: São Joaquim, SC.

PROFESSIONAL BACKGROUND

Name of Institution: Secretaria da Agricultura do Estado de Santa Catarina
Type of Organization: Governamental
Previous Position: Agronomist Engineer
Time of Service: From Mar., 1964 to Jan., 1970
Address of Institution: Secretaria da Agricultura, São Joaquim, SC.

EDUCATIONAL BACKGROUND

GRADUATION:
Institution: Agronomy School Eliseu Maciel
Location: Pelotas City, Rio Grande do Sul State.
Years Attended: From Mar., 1960 to Dez., 1963
Special Fields of Study: Agronomy

FIELD OF RESEARCH

Apple breeding - Evaluation and selection of apple varieties (Introduction & breeding)

Cherry - Introduction e evaluation of varieties

Feijoa - Evaluation of selection

Phenology - Evaluation of apple, cherry, plum and feijoa.

PROFICIENCY IN LANGUAGES:

Language	Speak	Read	Write
English	Yes	Yes	No
Spanish	Yes	Yes	No

PUBLISHED ARTICLES

RIBEIRO, P. de A.; CAMILO, A. P.; PETRI, J. L.; PEREIRA, A. J. & CAMELATO, D. Comportamento de algumas cultivares de macieira em Santa Catarina. Florianópolis, EMPASC, 1982. 61p. (EMPASC. Boletim Técnico, Série Fruteiras, 5).

RIBEIRO, P. de A. Descrição e comportamento de algumas cultivares de macieira no sul do Brasil. In: MANUAL DA CULTURA DA MACIEIRA. Florianópolis, EMPASC, 1986. 562 p.

RIBEIRO, P. DE A.; BRIGHENTI, E.; BERNARDI, J. Comportamento de algumas cultivares de pereira *Pyrus communis* L. e suas características nas condições do planalto catarinense. Florianópolis: EMPASC, 1991. 53p.

CURRICULUM VITAE

IDENTIFICATION

Name: José Itamar da Silva Boneti
Date of Birth: April 08, 1956
Place of Birth: Orleans, Santa Catarina
Nationality: Brazilian

EDUCATIONAL BACKGROUND

GRADUATION

Institution: Federal University of Pelotas
Location: Pelotas City, Rio Grande do Sul State
Years Attended: From Mar., 1975 to Dec., 1978
Special Fields of Study: Agronomy

MASTER DEGREE:

Institution: Federal University of Viçosa
Department: Phytopathology
Location: Viçosa City, Minas Gerais State
Years Attended: From Mar., 1979 to Aug., 1981

PROFESSIONAL ACTIVITY

Institution: Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina S.A.
Unit: Estação Experimental de São Joaquim
Present Position: Researcher in Plant Pathology
Employer's Address: Rua Presidente Kennedy, s/n, Bairro Jardim Caiçara - Cx. Postal, 81
City: São Joaquim, State: Santa Catarina - Zip Code: 88600-000
Area Code: 0492 - **Phone/Fax:** 0055-492-33-0324
Telex: 491-095

FIELD OF RESEARCH

Etiology, Epidemiology and control of Apple Diseases.
Screening for Apple Scab Resistance (Apple Scion)
Screening for Collar Rot Resistance (Apple Rootstocks)
Chemical Control of Apple Scab (Mode of action of Fungicides)
Forecasting System to Apple Scab

PROFICIENCY IN LANGUAGES: YES/NO

Language	Speak	Read	Write
English	Yes	Yes	Yes
Spanish	Yes	Yes	No

PUBLISHED PAPERS

- BONETI, J.I. da S. & KATSURAYAMA, Y. Uso de uréia no controle da sarna da macieira. Florianópolis. EMPASC, 7p. (EMPASC, comunicado técnico, 94).
- BONETI, J.I. da S. & KATSURAYAMA, Y. Efeito da uréia sobre a liberação de ascosporos de *Venturia inaequalis* na região de São Joaquim. Fitopatologia Brasileira, v. 10, n. 2, p. 166, 1985.
- BONETI, J.I. da S. & KATSURAYAMA, Y. Período crítico para o controle da sarna da macieira e efeito outonal com uréia sobre a liberação de ascosporos de *Venturia inaequalis* na região de São Joaquim, SC., Brasil. In: SIMPOSIO INTERNACIONAL SOBRE A CULTURA DA MACIEIRA EM CLIMA TROPICAL E SUBTROPICAL, 1987, Florianópolis. Resumos ... Florianópolis: EMPASC/DID, 1987. P. 56.
- DENARDI, F.; BONETI, J.I. da S. & HOUGH, L.F. Baixa exigência em frio e resistência a doenças como objetivos principais do melhoramento genético da macieira no Sul do Brasil. In: SIMPOSIO INTERNACIONAL SOBRE A CULTURA DA MACIEIRA EM CLIMA TROPICAL E SUBTROPICAL, 1987, Florianópolis. Resumos ... Florianópolis: EMPASC/DID, 1987. P. 10.
- BONETI, J.I. da S. & KATSURAYAMA, Y. A sarna da macieira. Florianópolis: EMPASC, 1988. 39p. (EMPASC. Boletim Técnico, 44).
- BLEICHER, J. & BONETI, J.I. da S. Controle da sarna da macieira (*Venturia inaequalis*) no Estado de Santa Catarina baseado em sistemas de previsão de doenças. Summa phytopathologica, v. 15, p. 92-100, 1989.
- BONETI, J.I. da S.; KATSURAYAMA, Y. & GREINER, L. C. Efeito da mistura de fungicida curativo com fungicida protetor, aplicada em pós-infecção, no controle da sarna da macieira. Fitopatologia Brasileira, v. 14, p. 263-8, 1989.
- BONETI, J.I. da S.; KATSURAYAMA, Y. & GREINER, L.C. Controle da sarna da macieira em pós-infecção, com fungicidas inibidores de Ergosterol, Fitopatologia Brasileira, v. 15, p. 268-71, 1989.
- BONETI, J.I. da S. & KATSURAYAMA, Y. Avaliação de fungicidas no controle da sarna da macieira (*Venturia inaequalis* Cke. Wint.) em condições de campo. Fitopatologia Brasileira, v. 16, n. 2, p. 10, 1991.

- BONETI, J.I. da S. & KATSURAYAMA, Y. Intervalos de aplicação de misturas de fungicidas curativos com fungicidas protetores, no controle da sarna da macieira. *Fitopatologia Brasileira*, v. 26, n. 1, p. 82-86. 1991.
- BONETI, J.I. da S.; KATSURAYAMA, Y. & KRUEGER, R. Avaliação da eficiência de misturas de fungicidas aplicados em pré e pós-inoculação, no controle da sarna da macieira. *Fitopatologia Brasileira*, v. 17 p.87-90. 1992.
- BONETI, J.I. da S.; KATSURAYAMA, Y. & KRUEGER, R. Avaliação do efeito protetor, curativo e erradicante de fungicidas inibidores da biossíntese de ergosterol sobre a sarna da macieira, em casa-de-vegetação. *Fitopatologia Brasileira*. 17:412-419. 1992.
- BONETI, J.I. da S. Estações de aviso no controle da sarna da macieira no Estado de Santa Catarina. *Fitopatologia Brasileira*. 16:295. (Resumos).
- BONETI, J.I. da S.; KATSURAYAMA, Y. Viabilidade do uso do porta enxerto Marubakaido para replantio de pomares de macieiras infectados com a podridão do colo (*Phytophthora cactorum*). *Fitopatologia Brasileira*. V. 17, n. 2, 133 (Resumos)
- KATSURAYAMA, Y.; BONETI, J.I. da S. AMORIM NETO, A.; KRUEGER, R. Avaliação do desempenho da Estação de Avisos Fitossanitários na região de São Joaquim, SC. *Fitopatologia Brasileira*. V.17, n. 2, 82 (Resumos). 1992.
- KATSURAYAMA, Y.; BONETI, J.I. da S.; KRUEGER, R; AMORIM NETO, A. Estações de aviso no controle da sarna da macieira na região de São Joaquim, SC. *Agropecuária Catarinense*. V. 5, n. 3, p. 10-16. 1992.
- BONETI, J.I. da S.; KATSURAYAMA, Y. Espécies de *Phytophthora* associadas com a podridão do colo da macieira no Estado de Santa Catarina. *Fitopatologia Brasileira*. 18(2): 206-212. 1993.

CURRICULUM VITAE

Name: Yoshinori Katsurayama
Nationality: Brazilian
Date of Birth: March 21, 1954
Sex: Male
Place of Birth: Hokkaido, Japan

PROFESSIONAL ACTIVITY

Institution: Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina S.A.
Unit: Estação Experimental de São Joaquim
Present Position: Researcher in Plant Pathology
Time of Service: Since Jan, 1983

PROFESSIONAL BACKGROUND

Name of Institution: Cooperativa Agrícola de Cotia - Cooperativa Central
Type of Organization: Agricultural Cooperative
Previous Position: Technical Assistant
Time of Service: Mar. 09, 1977 to Oct. 23, 1981
Address of Institution: Av. Jaguaré, 1487, São Paulo, SP

EDUCATIONAL BACKGROUND

GRADUATION:

Institution: ESALQ - University of São Paulo
Location: Piracicaba City, São Paulo State
Years Attended: From Mar., 1973 to Dec., 1976
Special Fields of Study: Agronomy

MASTER DEGREE:

Institution: Universidade Federal de Viçosa
Department: Plant Pathology
Location: Viçosa City, Minas Gerais State
Years Attended: From Mar., 1987 to Oct., 1987

OTHER EDUCATIONAL BACKGROUND:

Institution: Aomori Apple Experiment Station
Division: Plant Protection
Location: Kuroishi City, Aomori, Japan
Years Attended: Nov., 1981 to Dec., 1982
Special Fields of Study: Apple Disease Control

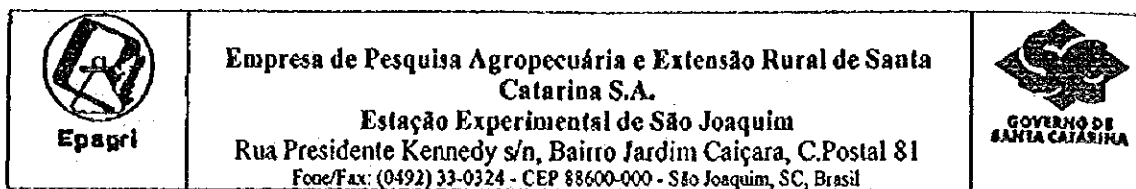
Institution: Tsukuba Fruit Tree Research Station
 Laboratory: Plant Protection
 Location: Tsukuba City, Ibaraki, Japan
 Years Attended: Jan. to Mar., 1995
 Special Fields of Study: Fungicide Resistance

PROFICIENCY IN LANGUAGE

Language	Speak	Read	Write
Japanese	Yes	Yes	Yes
English	No	Yes	No
Spanish	No	Yes	No

RECENTLY PUBLISHED ARTICLES

1. KATSURAYAMA, Y. BONETI, J.I. da S.; KRUEGER, R.; AMORIM NETO, A. Estação de Avisos Fitossanitários no controle da sarna da macieira na região de São Joaquim, SC. Agropec. catarinense 5:10-16, 1992.
2. KATSURAYAMA, Y.; HUMERES, E.; RIBEIRO, L.G. & BONETI, J.I. da S. Cultura da macieira e da pereira no Chile e na Argentina. Agropec. catarinense 5:36-42, 1992.
3. KATSURAYAMA, Y.; MAFFIA, L.A.; ALVAREZ, V.H. & RIBEIRO DO VALE, F.X. Optimum plot size and number of replication in the quantification of components of bean rust resistance. Fitopat. bras. 18:62-69, 1993.
4. KATSURAYAMA, Y. & BONETI, J.I. da S. Epidemiology and control of potato late blight in the São Joaquim region, Santa Catarina State, Brazil. Fitopat. bras. 18:272, 1993.
5. KATSURAYAMA, Y. & BONETI, J.I. da S. Viability of the BLITECAST for the potato late blight control at São Joaquim, SC, Brazil. Fitopat. bras. Dec., 1995.
6. KATSURAYAMA, Y. & BONETI, J.I. da S. Monitoramento da resistência de *Venturia inaequalis* ao fungicida dodine. Agropec. catarinense Jun, 1996.
7. BONETI, J.I. da S.; KATSURAYAMA, Y.; KRUEGER, R. Greenhouse evaluation of fungicide mixtures applied in pre- and post-inoculation on the control of apple scab. Fitopat. brasileira 17:87-90, 1992.
8. BONETI, J.I. da S.; KATSURAYAMA, Y.; KRUEGER, R. Greenhouse evaluation of the protective, curative and post-symptom activities of sterol-inhibiting fungicides on apple scab control. Fitopat. brasileira 17:412-419, 1992.
9. BONETI, J.I. da S. & KATSURAYAMA, Y. *Phytophthora* species associated with apple collar rot in Santa Catarina State, Brazil. Fitopat. brasileira 18:206-212, 1993.



**CURRICULUM VITAE
(ABSTRACT)**

1 - Name: Reinhard Krueger

2 - Date of Birth: November 05, 1957

3 - Address: EPAGRI/Estação Experimental de São Joaquim
Caixa Postal, 81 - 88600-000, São Joaquim, SC., Brazil
Telephone/Fax (0492)) 33-0324

4 - Educational Record:

a) Engenheiro Agrônomo (Agronomist) - from Federal University of Santa Catarina, SC., Brazil - 1981

b) MSc in Entomology - from Federal University of Paraná, PR., Brazil - 1995

5 - Present Position: - Plant Protection

- Extension

- Professionalization of farmers in apple programme

6 - Proficiency in Languages:

Language	Speak	Read	Write
English	Yes	Yes	Yes
Spanish	No	Yes	No
Germany	Yes	Yes	Yes



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Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina S.A.

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GOVERNO DE SANTA CATARINA

CURRICULUM VITAE
(ABSTRACT)

1 - Name: Názaro Vieira de Lima

2 - Date of Birth: September 18, 1957

3 - Address: EPAGRI/Estação Experimental de São Joaquim
Caixa Postal, 81 - 88600-000, São Joaquim, SC., Brazil
Telefone/Fax (0492)) 33-0324

4 - Educational Record:

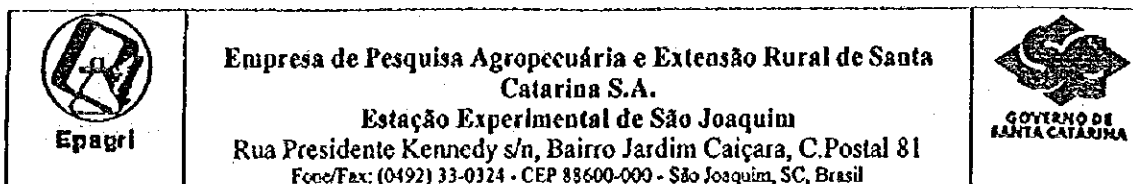
a) Engenheiro Agrônomo (Agronomist) - from Federal University of Pelotas, RS., Brazil - 1984

5 - Present Position: - Extensionist

- Professionalization of farmers in apple programme

6 - Proficiency in Languages:

Language	Speak	Read	Write
English	No	Yes	Yes
Spanish	No	Yes	No





CURRICULUM VITAE
(ABSTRACT)

- 1 - Name: Emilio Brighenti
- 2 - Date of Birth: August 13, 1954
- 3 - Address: EPAGRI/Estação Experimental de São Joaquim
 Caixa Postal, 81 - 88600-000, São Joaquim, SC., Brazil
 Telefone/Fax (0492)) 33-0324
- 4 - Educational Record:
 a) Engenheiro Agrônomo - from Federal University of Pelotas, RS., Brazil - 1977
 b) MSc - from Federal University of Pelotas, RS., Brazil - 1980
- 5 - Present Position: - Head of São Joaquim Experiment Station
 - Plant breeder (apple)
 - Plant breeder (pear)
- 6 - Proficiency in Languages:

Language	Speak	Read	Write
English	Yes	Yes	No
Spanish	Yes	Yes	No

7 - Publications:

- RIBEIRO, P. de A.; BRIGHENTI, E.; BERNARDI, J. Comportamento de algumas cultivares de pereira *Pyrus communis* L. e suas características nas condições do Planalto Catarinense. Florianópolis: EMPASC, 1991, 53p. (EMPASC. Boletim Técnico, 56).
- PEREIRA, A. J.; EBERT, A.; BRIGHENTI, E.; PETRI, J. L. Raleio de frutos. IN: EMPASC. Manual da Cultura da Macieira. Florianópolis: EMPASC, 1986. p. 321-340.
- BRIGHENTI, E. Efeito de concentrações de cianamida hidrogenada associada com óleo mineral, na brotação das pereiras cvs. William's e Packham's Triumph, na região de São Joaquim, SC. Revista Brasileira de Fruticultura, v. 14, n. 2, p. 169-174. 1992.

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CURRICULUM VITAE (ABSTRACT)

- 1 - Name: Valdir Bonin
- 2 - Date of Birth: April 04, 1955
- 3 - Address: EPAGRI/Estação Experimental de São Joaquim
Caixa Postal, 81 - 88600-000, São Joaquim, SC., Brazil
Telefone/Fax (0492)) 33-0324
- 4 - Educational Record:
 - a) Engenheiro Agrônomo - from Federal University of Santa Catarina, SC., Brazil - 1980
 - b) MSc - from Federal University of Viçosa, MG., Brazil - 1987
- 5 - Present Position: - Phytotecny Researcher
 - a) Tissue culture
- 6 - Proficiency in Languages:

Language	Speak	Read	Write
English	No	Yes	No
Spanish	No	Yes	No

7 - Publications:

- BONIN, V. Obtenção e multiplicação in vitro de batateiras (*Solanum tuberosum* L.) isentas de vírus Y (PVY). Viçosa:UFV, 1988. 68p. (Tese de mestrado).
- BONIN, V. Rotação de culturas na produção de hortaliças. Agropecuária Catarinense, v. 3, n. 2., p. 41-42, 1990.
- BONIN, V.; SOUZA, Z. da S. Avaliação de cultivares de cenoura nas sementeiras de primavera no Vale do Rio Canoas, SC. Agropecuária Catarinense, v. 3., n. 4, p. 39-41, 1990.



Epagri

Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina S.A.

Estação Experimental de São Joaquim
Rua Presidente Kennedy s/n, Bairro Jardim Caiçara, C.Postal 81
Fone/Fax: (0492) 33-0324 - CEP 88600-000 - São Joaquim, SC, Brasil



GOVERNO DE SANTA CATARINA

CURRICULUM VITAE (ABSTRACT)

1 - Name: Antonio Amorin Neto

2 - Date of Birth: July 18, 1954

3 - Address: EPAGRI/Estação Experimental de São Joaquim
Caixa Postal, 81 - 88600-000, São Joaquim, SC., Brazil
Telefone/Fax (0492)) 33-0324

4 - Educational Record:

a) Engenheiro Agrônomo (Agronomist) - from Agronomy Faculty Manoel Carlos Gonçalves,
SP, Brazil - 1976

5 - Present Position: - Head of São Joaquim Warning Service
- Extensionist in Plant Protection (Entomology & Plant Pathology)

6 - Proficiency in Languages:

Language	Speak	Read	Write
English	No	Yes	No
Spanish	No	Yes	No



Epagri

Empresa de Pesquisa Agropecuária e Extensão Rural de Santa Catarina S.A.

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GOVERNO DE SANTA CATARINA

CURRICULUM VITAE (ABSTRACT)

1 - Name: José Masanori Katsurayama

2 - Address: EPAGRI/Estação Experimental de São Joaquim
Caixa Postal,, 81, 88600-000, São Joaquim, SC., Brazil
Telefone/Fax (0492) 33-0324

3 - Date and place of birth: february 14, 1964, Santa Vitória do Palmar, RS., Brazil.

4 - Education Record:

a) Engenheiro Agrônomo - from Centro de Ciências Agro-Veterinárias of Lages, SC., Brazil

5 - Present Position -Researcher - Plant Pathology São Joaquim Experiment Station
Since February, 1989.

6 - Proficiency in Languages:

Language	Speak	Read	Write
English	No	Yes	No
Spanish	No	Yes	No
Japanese	Yes	Yes	Yes



SECRETARIA DE DESENVOLVIMENTO RURAL E DA AGRICULTURA
EMPRESA DE PESQUISA AGROPECUÁRIA E EXTENSÃO RURAL DE SANTA
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EGRAGRI - ADMINISTRAÇÃO REGIONAL DE CAÇADOR
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CURRICULUM VITAE (RÉSUMÉ)

Name: José Luiz Petri
Date of Birth: 10/02/46

Place of Birth: Santa Maria/RS

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist - UFSM	1969	Santa Maria/RS
M.Sc.	Deciduous Fruit - UFPEL	1976	Pelotas/RS
Ph.D			

Proficiency in Languages: Yes/No

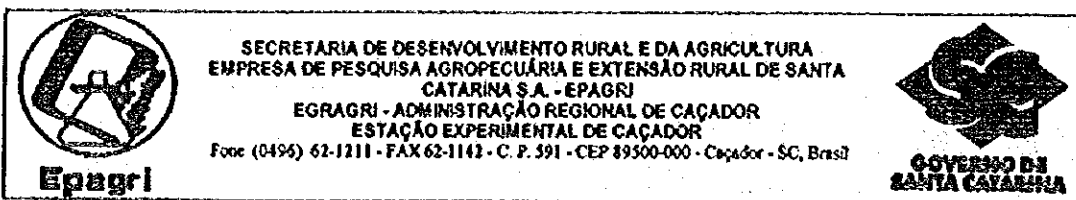
Language	Speak	Read	Write	Understand
Japanese				
English	Yes	Yes	No	Yes
French				
Spanish	Yes	Yes	No	Yes
other				

Professional experience and expertise:

- Breaking Dormancy
- Plant Growth Regulating
- Plant management
- Pollination

List of the three most important published papers

1. PETRI, J. L.; STUKER, H. Effect of mineral oil and Hydrogen Cyanamide concentration on apple dormancy, cv. Gala. *Actae Horticulturae*, n.395, p. 161-167, 1995.
2. PETRI, J. L. Polinização e Fertilização - In: EMPRESA CATARINENSE DE PESQUISA AGROPECUÁRIA. *Manual da cultura da macieira*. Florianópolis, 1986. p.133-162.
3. PETRI, J. L.; PASQUAL, M. Quebra da dormência da macieira. Florianópolis: EMPASC, 1982. 54p. Boletim Técnico nº18, 1982.



CURRICULUM VITAE (RÉSUMÉ)

Name: Carlos Leomar Kreuz

Date of Birth: 11/September/1961

Place of Birth: RS/Brazil

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist/UFPr	82	Curitiba/Brazil
M.Sc.	Agricultural Economist/UFRGS	85	Porto Alegre/Brazil
Ph.D	Production Engineer/UFSC	94	Florianópolis/Brazil

Proficiency in Languages: Yes/No

Language	Speak	Read	Write	Understand
Japanese				
English	yes	yes	yes	yes
French				
Spanish		yes		
other				

Professional experience and expertise:

- Production Cost
- Economic evaluation of agricultural technologies
- Regional Manager from Epagri (main work since January/1995)

List of the three most important published papers

1. KREUZ, C. L.; STUKER, H.; PETRI, J. L. "Aspectos econômicos da densidade de frutos da maçeira Fuji". *Pesquisa Agropecuária Brasileira*, v. 27, n.3, p.429-433, 1992.
2. KREUZ, C. L. "Custo de produção de maçã." *Pesquisa Agropecuária Brasileira*, v.27, n.5, p.721-726, 1992.
3. KREUZ, C. L. "Von Liebig Models with decreasing yields, Mitscherlich's law of physiological relations and the relative yield framework". UFSC, Florianópolis, 1994. 176p. (Tese de Doutorado).



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CURRICULUM VITAE (RÉSUMÉ)

Name: Atsuo Suzuki

Date of Birth: 14/05/54

Place of Birth: Hokkaido/Japan

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist/UFSC	1982	Florianópolis/SC
M.Sc.	Soil and Plant Nutrition/UFV	1989	Viçosa/MG
Ph.D			

Proficiency in Languages: Yes/No

Language	Speak	Read	Write	Understand
Japanese	Yes			Yes
English		Yes		
French				
Spanish		Yes		
other				

Professional experience and expertise:

- Soil and nutrition of fruit plants

List of the three most important published papers

1. SUZUKI, A.; ARGENTA, L.C. Teores minerais na polpa das cvs. Gala, Golden Delicious e Fuji. IN: I Simpósio sobre Fruticultura de Clima Temperado, Caçador, 1994. Rev. Bras. Frut., Cruz das Almas, BA, V.16, n.1, p.92-104, 1994.
2. SUZUKI, A. Calagem e Nutrição de Macieira. IN: II Encontro de Tecnologia em Fruticultura de Clima Temperado. Vacaria. Anais. p.35-39. 1995.
3. SUZUKI, A. Levantamento do Estado Nutricional de Macieira na Região de Fraburgo, SC. IN: XXV Congresso Brasileiro de Ciência do Solo. SBCS/UFV/DQS. Viçosa, MG. Resumo Expandido, volume II, p.568-570. 1995.



SECRETARIA DE DESENVOLVIMENTO RURAL E DA AGRICULTURA
 EMPRESA DE PESQUISA AGROPECUÁRIA E EXTENSÃO RURAL DE SANTA
 CATARINA S.A. - EPAROJ
 EGRAOJ - ADMINISTRAÇÃO REGIONAL DE CAÇADOR
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CURRICULUM VITAE (RÉSUMÉ)

Name: Clori Basso

Date of Birth: 24/12/51

Place of Birth: Antonio Prado/RS

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist/UFRGS	1974	Porto Alegre/RS
M.Sc.	Agronomist/UFRGS	1976	Porto Alegre/RS
Ph.D	Soil and Plant Nutrition/North Carolina	1995	North Carolina/USA

Proficiency in Languages: Yes/No

Language	Speak	Read	Write	Understand
Japanese				
English	Yes	Yes	Yes	Yes
French				
Spanish		Yes		
other				

Professional experience and expertise:

- Soil and nutrition of fruit plants
- Finished PhD course in September/1995

List of the three most important published papers

1. BASSO, C.; SUZUKI, A.; WILMS, F.W.W.; STUKER, H. Control of zinc deficiency in apple orchards in southern Brazil. In: BEUSICHEM, M.V. Van: Plant nutrition physiology and applications: proceedings International Plant Nutrition Colloquium, 11., Wageningen, 1989. Dordrech: Fluwe Academic, 1990. p.257-260.
2. BASSO, C.; WILMS, F.W.W.; STUKER, H. Soil-plant-fruit nutritional relationship in apple orchards in Southern Brazil. Acta Horticulturae, n.274, p.33-41, 1990.
3. BASSO, C.; SUZUKI, A. Resposta da macieira cv. Golden Delicious à adubação nitrogenada. Revista Brasileira de Ciências do Solo, Campinas, V.16, n.2, p.223-227, 1992.



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GOVERNO DE
 SANTA CATARINA

CURRICULUM VITAE (RÉSUMÉ)

Name: ANÍSIO PEDRO CAMILO

Date of Birth: October 18, 1944

Place of Birth: Tubarão S.C.

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomy/Universidade Federal de Pelotas	1968	Pelotas, R.S., Brazil
M.Sc.	Pomology/Universidade Federal de Pelotas	1976	Pelotas, R.S., Brazil
Ph.D	Pomology/Cornell University	1989	Ithaca, NY, USA

Proficiency in Languages: Yes/No

Language	Speak	Read	Write	Understand
Japanese	NO	NO	NO	NO
English	YES	YES	YES	YES
French	NO	YES	NO	SOME
Spanish	YES	YES	SOME	YES
other	NO	YES	NO	YES

Professional experience and expertise: Worked as Extension Agent for during a few years for Santa Catarina State Extension Service. Developed several research projects with apple, peach, and plum on breeding, growth regulators, and orchard management. Lately is conducting works on breeding for disease resistance, chemical thinning, planting systems, and training. From his breeding program three new apple cultivars have been released, two of them with immunity to scab. Acted as co-ordinator for Santa Catarina State Fruit Research Program for several years; technical supervisor at Caçador Research Station. Acted as Director of Videira Research Station, and Subdirector of Caçador Research Station. Spent nine months at New York State Agricultural Experiment Station, Geneva, N.Y., USA as a visiting scientist.

List of the three most important published papers

1. CAMILO, A.P. Genetic resistance in *Malus* to *Glomerella cingulata* (Stoneman) Spaulding & von Schrenk: Sources of resistance, leaf infection, progeny evaluation, and pathogenicity. Ithaca, New York. Cornell University, 1989. 116 p. (Ph.D Thesis).
2. CAMILO, A.P.; LAMB, R.C. & ALDWINCKLE, H. Genetic resistance to bitter rot incited by *Glomerella cingulata* (Stoneman) Spaulding & von Schrenk in apple (*Malus domestica* Borkh.). *Acta Horticulturae* (232):37-45, 1988.
3. DENARDI, F.; CAMILO, A.P. Fred Hough - New apple cultivar with scab immunity. *Revista Brasileira de Fruticultura*. v.16, n., p.1-6, 1994.



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Epagri

**GOVERNO DE
 SANTA CATARINA**

CURRICULUM VITAE (RÉSUMÉ)

Name: Luiz Antonio Palladini

Date of Birth: 17/11/59

Place of Birth: Cianorte/PR

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist - UFSC	1983	Florianópolis/SC
M.Sc.	Crop Protection - UNESP	1990	Jaboticabal/SP
Ph.D			

Proficiency in Languages: Yes/No

Language	Speak	Read	Write	Understand
Japanese				
English	Yes	Yes		Yes
French				
Spanish	Yes	Yes		Yes
other				

Professional experience and expertise:

- Pesticide application methods
- Equipment pesticide apply
- Pest control

List of the three most important published papers

1. PALLADINI, L.A. Cobertura obtida na pulverização com turboatomizador em folhas de macieira. Revista Brasileira de Fruticultura. Cruz das Almas, V.14, n.1. p.127-132, 1992.
 2. PALLADINI, L.A. Avaliação da cobertura em folhas de macieira na pulverização com turboatomizador de alta densidade. Revista Brasileira de Fruticultura. Cruz das Almas, V.16, n.1, p.54-63, 1994.
- PALLADINI, L.A.; BLEICHER, J. Eficiência de tratamentos fitossanitários a alta e médio volume de calda em macieira. Fitopatologia Brasileira. V.19. p.317, 1994.



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CURRICULUM VITAE (RÉSUMÉ)

Name: Ivan Dagoberto Faoro

Date of Birth: 04/11/56

Place of Birth: Caçador/SC

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist - UFSC	1982	Florianópolis/SC
M.Sc.	Genetic and Breeding/University of Viçosa	1989	Viçosa/MG
Ph.D			

Proficiency in Languages: Yes/No

Language	Speak	Read	Write	Understand
Japanese	No	No	No	No
English	No	Yes	No	Yes
French	No	No	No	No
Spanish	No	Yes	No	Yes
other				

Professional experience and expertise:

- Research of Caçador Experimental Station (1983-1995)
- Chief of the Caçador Experimental Station (1993-1995)
- Manager of the Center Agricultural Tecnology - Alto Vale do Rio do Peixe (1991-1993)

Expertise

Breeding pear, cultivation of pear and tomato (variety tests)

List of the three most important published papers

1. FAORO, I. D.; BLEICHER, J.; BERNARDI, J. Entomosporiose na pereira. Agropecuária Catarinense. V.4, n.2, p.30-31, 1991.
2. FAORO, I. D. Cultivo da pereira no mundo. Agropecuária Catarinense. V.4, n.2, p.28-29, 1991.
3. FAORO, I. D. Evaluation of inoculation techniques and methods for screening germ plasm of egg plant to Phytophthora capsici Leonian Brazilian Journal of Genetics. V.12, n.3, p.672-673, 1989.



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CURRICULUM VITAE (RÉSUMÉ)

Name: Marcia Mondardo

Date of Birth: 07/09/66

Place of Birth: Urussanga/SC

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist - UFSC	1988	Florianópolis/SC
M.Sc.	Experimental Statistics/ESALQ/USP	1994	Piracicaba/SP
Ph.D			

Proficiency in Languages: Yes/No

Language	Speak	Read	Write	Understand
Japanese				
English		Yes		
French				
Spanish		Yes		
other				

Professional experience and expertise:

- Experimental Designs
- Linear Models
- Statistical Analysis of Experimental Data
- Use of the software SAS (Statistical Analysis System)

List of the three most important published papers

1. MONDARDO, M.; IEMMA, A.F. Sobre os quatro tipos de funções estimáveis fornecidas pelo PROC GLM do SAS para dados desbalanceados. Pesquisa Agropecuária Brasileira. (Prelo).
2. MONDARDO, M. Estimabilidade de funções paramétricas com dados desbalanceados através do PROC GLM do SAS: Aplicações a pesquisa agropecuária. ESALQ/USP, 1994. 166p. (Dissertação de Mestrado).



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CURRICULUM VITAE (RÉSUMÉ)

Name: Frederico Denardi

Date of Birth: 23/05/50

Place of Birth: Guaporé/RS

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist/UFRS	1977	Porto Alegre/RS
M.Sc.	Temperate Fruit /UFPEL	1980	Pelotas/RS
Ph.D			

Proficiency in Languages: Yes/No

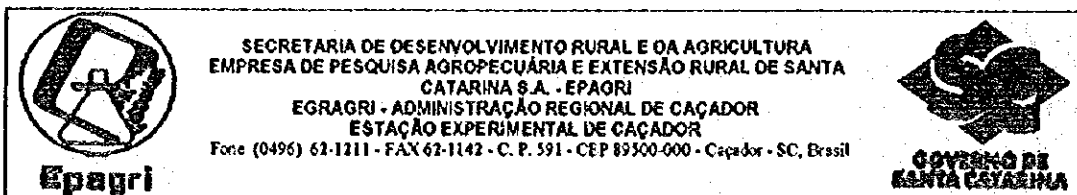
Language	Speak	Read	Write	Understand
Japanese				
English	Yes	Yes	Yes	Yes
French				
Spanish	Yes	Yes		
Italian	Yes	Yes		

Professional experience and expertise:

- Plant Propagation (Conventional Methods and Tissue Culture)
- Apple and Pear Breeding (Varieties)
- Apple Breeding (Roodstocks).

List of the three most important published papers

1. DENARDI, F.; HOUGH, L.F.; CAMILO, A.P. 'PRIMÍCIA' Apple. HortScience, 23(3):632. 1988.
2. DENARDI, F.; HOUGH, L.F.; CAMILO, A.P. 'PRINCESA' Apple. HortScience, 23(4): 787. 1988.
3. DENARDI, F.; CAMILO, A.P. FRED HOUGH - NEW APPLE CULTIVAR WITH SCAB IMMUNITY. Rev. Bras. Frut., V.16, n.1. p.01-06, 1994.



CURRICULUM VITAE (RÉSUMÉ)

Name: Gabriel Berenhauser Leite

Date of Birth: 03/09/63

Place of Birth: Florianópolis/SC

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist/UFSC	1987	Florianópolis/SC
M.Sc.	Agronomy/UFPEL	1995	Pelotas/RS
Ph.D			

Proficiency in Languages: Yes/No

Language	Speak	Read	Write	Understand
Japanese				
English	Yes	Yes	Yes	Yes
French		Yes		
Spanish		Yes		Yes
Italian		Yes		

Professional experience and expertise:

- Plant Propagation
- Tissue Culture
- Rootstocks
- Growth Regulators
- Orchard Management

List of the three most important published papers

1. LEITE, G.B. O uso do marmeleiro como porta-enxerto da pereira. *Hortisul*, V.2, n.4, p.28-32, 1992.
2. LEITE, G.B.; BLEICHER, J. Viroses e mioplasmoses da macieira no Estado de Santa Catarina. *Agropecuária Catarinense*, V.6, n.1, p.18-19, 1993.
3. LEITE, G.B. Influência da época de enxertia na formação de mudas de macieira. *Congresso Brasileiro de Fruticultura*, 13 (resumo), V.2, p.631, 1994.



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CURRICULUM VITAE (RÉSUMÉ)

Name: Ildebrando Nora

Date of Birth: 16/03/54

Place of Birth: Videira/SC

Academic Education

Degree	Title/University	Year	City/Country
BS	Agronomist - Univ. of Pelotas	1981	Pelotas/RS
M.Sc.	Entomology - Univ. of Paraná	1992	Curitiba/Brasil
Ph.D			

Proficiency in Languages: Yes/No

Language	Speak	Read	Write	Understand
Japanese				
English		Yes		
French	Yes	Yes	Yes	Yes
Spanish	Yes	Yes	Yes	Yes
Italiano	Yes	Yes	Yes	Yes

Professional experience and expertise:

- Biology, ecology, dynamics, field monitoring, trapping and control of fruit flies, *Anastrepha* spp, *Rhagoletis* spp.
- Taxonomy of fruit fly
- Dynamics field monitoring and control of spider mites *Panonychus ulmi* and *Tetranychus urticae*

List of the three most important published papers

1. NORA, I. & HICHEL, E. Identification of plants host of Fruit Fly (*Anastrepha* spp *Rhagoletis* spp) and related parasites (in Press).
2. NORA, I. & MONTEIRO, L. Identification of spider mites (*Panonychus ulmi*) in the apple and introduction of some its predators (in Press).
3. NORA, I.; CANAL, D.N.A.; ZUCCHI, R.A.; BRANCO, E.S. Identification of parasitoides (Hym, Braconidae of *Anastrepha fraterculus* (Dip., Tephritidae) at meadle west area of Santa Catarina, XV Brazilian Congress of Entomology, SEB., Caxambu. Summarys, p.298. 1995.

CURRICULUM VITAE (ABSTRACT)

1 - Name: Darcy Camelatto

2 - Address: EMBRAPA-CPACT, Caixa Postal 403 - Telefone (0532) 21-2122; Fax (0532) 21-2121 and 21-1248; CEP 96001-970 - Pelotas, RS, Brazil.

3 - Educational Record

a) Engenheiro Agrônomo (Agronomist) - Federal University of Pelotas, RS, Brazil - 1966.

b) Mestre em Agronomia - Área de Concentração em Fruticultura de Clima Temperado (MSc. in Agronomy - Concentration Area in Temperate Fruit Trees) - Federal University of Pelotas, RS, Brazil - 1976.

c) PhD in Pomology - Concentration Area in Physiology of Fruit Trees - Michigan State University, East Lansing, Mi, USA. - 1992

4 - Professional Activities

Since January, 1967, research development in temperate fruit trees on orchard management; methods of nursery fruit tree multiplication; rootstocks, spacing, pruning and training of apple; break of bud dormancy of apple; plant growth regulators on apple trees; role of carbohydrates on the fruit set of apple; evaluation of peach, plum, pear and apple cultivars in the South of Brazil and lately (last 8 years) developing research on physiology of dormancy, flowering and fruiting on apple and pear trees.

5 - Teaching Experience

Teaching classes on dormancy, management and physiology of temperate fruit trees at Federal University of Pelotas - Msc Course on Agronomy - Area of Temperate Fruit Trees; teaching class on temperate fruit trees physiology and orchard management at University of Cruz Alta and University of Caxias do Sul - RS, Brazil.

Member of Committee Guide at Msc and PhD levels of students of the Federal University of Pelotas, RS. and of the Federal University of Rio Grande do Sul, Porto Alegre, RS.

6 - Publications: Total 45

7 - Foreign Language Proficiency

- English: speak, read and write well

- Spanish: speak and read well, and write fairly.



Ministério da Agricultura, do Abastecimento e da Reforma Agrária - MAARA
Empresa Brasileira de Pesquisa Agropecuária - EMBRAPA
Centro de Pesquisa Agropecuária de Clima Temperado - CPACT

- 1 - Name: Antonio Luiz Oliveira Heberle
- 2 - Date of Birth: 13/06/57
- 3 - Address: EMBRAPA-CPACT, Caixa Postal 403 - Telefone (0532)21-2122
Fax: (0532)21-2121 e 21-1248 - CEP - 96001-970
- Pelotas, RS - Brasil
- 4 - Educational Record: Journalism
Msc - Cientific Information
- 5 - Present Position - Responsible Coordination of the Journalism Office
Manual de Publicação do CPATB, 1984, EMBRAPA - 1984,
16p.
Divulgação Científica na EMBRAPA, 1986. EMBRAPA,
1984, 80P.

	Speak	Read	Write	understand
English	*	*	*	*

* little
** well
*** very well



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Empresa Brasileira de Pesquisa Agropecuária - EMBRAPA
Centro de Pesquisa Agropecuária de Clima Temperado - CPACT

CURRICULUM VITAE

(ABSTRACT)

1 - Name: *Luis Antonio Suita de Castro*

2 - Date of Birth: 01/02/1956

3 - Address: EMBRAPA-CPACT, Caixa Postal 403 - Telefone (0532)21-2122

Fax: (0532)21-2121 e 21-1248 - CEP - 96001-970

- Pelotas, RS - Brasil

4 - Educational Record:

a) Agronomist (Federal University of Pelotas, RS, Brasil)

b) Msc - (Federal University of Pelotas, RS, Brasil)

5 - Present Position - Plant Pathology

6 - Main Publications:

- CASTRO, L.A.S. de Diagnose da bactéria tipo rickettsia da ameixeira no porta-enxerto Aldrichi de pessegueiro. Pelotas: EMBRAPA-CNPFT, 1990. 12p. (Boletim de Pesquisa, 18).

- CASTRO, L.A.S. de, NAKASU, B.H.; FINARDI, N.L.; LEITE, D.L. Condução da ameixeira por tutoramento. Pelotas, EMBRAPA-CNPFT, 1990. 21P. (Circular Técnica, 16).

- CASTRO, L.A.S. de. Situação atual da escaldadura das folhas da ameixeira no Rio Grande do Sul (Brasil). In: CONGRESSO IBEROAMERICANO, 1, CONGRESSO LATINO AMERICANO, 5, CONGRESSO NACIONAL DE HORTICULTURA, 9, 1992, Montevideo - Uruguay. Resumenes. Montevideo, Uruguay: Sociedade Uruguaya de Horticultura, 1992 p.30.

Speak Read Write

English

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*

*



Ministério da Agricultura, do Abastecimento e da Reforma Agrária - MAARA
Empresa Brasileira de Pesquisa Agropecuária - EMBRAPA
Centro de Pesquisa Agropecuária de Clima Temperado - CPACT

CURRICULUM VITAE (ABSTRACT)

1. NAME: *Claudio José da Silva Freire*

2. DATE OF BIRTH: 26/12/44

3. ADDRESS: EMBRAPA/CPACT, Cx. .P. 403, 96.001-970 Pelotas, RS, Brazil.

4. EDUCATIONAL RECORD:

- a) Agronomist (Federal University of Pelotas, RS., Brazil).
- b) Msc (Federal University of Rio Grande do Sul, RS., Brazil).

5. PRESENT POSITION:

Plant nutrition.

6. MAIN PUBLICATIONS:

- FREIRE, C.J. da S.; MAGNANI, M.; MORAES, E.C. Levantamento nutricional em pomares de macieira, cv. Golden Delicious no município de Vacaria, RS. In: CONGRESSO BRASILEIRO DE FRUTICULTURA, 6., Recife, PE, 1981. Anais... Recife: Sociedade Brasileira de Fruticultura, 1981. p. 898-907.
- FREIRE, C.J. da S.; MAGNANI, M.; MORAES, E.C. CRUZ, A.D. Levantamento do estado nutricional do pessegueiro na região de Pelotas pela análise foliar. In: CONGRESSO BRASILEIRO DE FRUTICULTURA, 5., Pelotas, RS, 1979. Anais... Pelotas: Sociedade Brasileira de Fruticultura, 1979. p. 417-421.
- FREIRE, C.J. da S. & ANGHINONI, I. Estado nutricional da macieira no Rio Grande do Sul e Santa Catarina. *Pesq. Agrop. Bras.*, v.22, nº 4, p. 373-380, 1987.
- FREIRE, C.J. da S. Correção do solo, adubação de pré-plantio e de crescimento, do pessegueiro. Pelotas: EMBRAPA-CNPFT, 1987. 1p. (Informativo, 10).

	Speak	Read	Write
English	*	*	*



CURRICULUM VITAE

(Abstract)

1 - Name: Gerson Renan de Luces Fortes

2 - Educational Record : Agriculture (Federal University of Viçosa , Viçosa , MG - Brazil)

3 - Present Position : Plant Physiology/Plant Tissue Culture

4 - Main Publications:

FORTES, G.R. de L.; CAMILO, A.P. Effect of ethephon on the red colour and harvest date of apple cv. Gala. Proceedings of the Tropical Region-American Society for Horticultural Science. , V.25, p.289-92, 1982.

FORTES, G.R. de L.; PETRI, J.L. Physiological Disorders in apple and their controls. 2 ed. Florianópolis, EMPASC, 1982. 34p. (EMPASC, Technical Bulletin, 3).

FORTES, G.R. de L.; PETRI, J.L. Fruit set and parthenocarpic fruit as affected by the use of Wye Mixture in Golden Delicious apple cultivar. Acta Horticulturae, 137, p.335-341, 1983.

FORTES, G.R. de L.; TEIXEIRA, S.L. Calogenesis and Organogenesis as affected by the orientation and scarification of leaf disc apple explants on the medium. HortScience. V.20, n.5, p.543, 1993.

FORTES, G.R. de L.; SANTOS FILHO, B.G.; ZECCA, A.G.D.; NACHTIGAL, J.C.; FIGUEIREDO, S.L.P. Multiplication in vitro of Kiwi, cv. Hayward. Revista Brasileira de Fruticultura, V.14, n.1, p.71-75, 1992.

	Speak	Read	Write
English	***	***	***



Ministério da Agricultura, do Abastecimento e da Reforma Agrária - MAARA
Empresa Brasileira de Pesquisa Agropecuária - EMBRAPA
Centro de Pesquisa Agropecuária de Clima Temperado - CPACT

CURRICULUM VITAE

(ABSTRACT)

- 1 - Name: *Angela Diniz Campos*
- 2 - Date of Birth: 23/07/1958
- 3 - Address: EMBRAPA-CPACT, Caixa Postal 403 - Telefone (0532)21-2122
Fax: (0532)21-2121 e 21-1248 - CEP - 96001-970
- Pelotas, RS - Brasil
- 4 - Educational Record: Msc - Plant Physiology - Agriculture School of Lavras
- 5 - Present Position - Plant Physiology
6. Main Publications:
 - NAKASU, B.H.; RASEIRA, M, do C.B.; CAMPOS, A.D. Pessegueiro cultivar granito. Revista Brasileira de Fruticultura. v.16, n.1, p.284-287, 1994.
 - CAMPOS, A.D. Aspectos pós-colheita do figo. Informe Agropecuário. v.17, n. 180, p.1921. 1994.
 - CAMPOS, A.D., CARVALHO, V.D. Deteriorização pós-colheita de mandioca modificações no grau de deterioração fisiológica. Pesquisa Agropecuária Brasileira. v.25, n.5, p.773-81, 1990.
 - FORTES, G.R. de L.; CAMPOS, A.D. Caracterização da vitrificação em plantas de morangueiro (*fragaria x annanasse* Duch) in vitro In: CONGRESSO NACIONAL DE BOTÂNICA, 42, 1991. Goiânia, Anais..., Goiânia, GO. 1991.

	Speak	Read	write
English	*	*	*



Ministério da Agricultura, do Abastecimento e da Reforma Agrária - MAARA
Empresa Brasileira de Pesquisa Agropecuária - EMBRAPA
Centro de Pesquisa Agropecuária de Clima Temperado - CPACT

CURRICULUM VITAE (ABSTRACT)

1. NAME: Julio Daniels
2. DATE OF BIRTH: 23/03/45
3. ADDRESS: EMBRAPA/CPACT, Cx. P. 403, 96.001-970 Pelotas, RS, Brazil.
4. EDUCATIONAL RECORD:
 - a) BS: Agronomy at Universidade Federal do Rio Grande do Sul, Porto Alegre, RS (1968).
 - b) MSc: Plant Pathology at Universidade de Brasília, Brasília, DF (1977).
 - c) PhD: Plant Pathology at University of California, Davis, CA (1990).
5. PRESENT POSITION:

Researcher (plant pathology, mainly plant virology).
6. MAIN PUBLICATIONS:
 - DANIELS, J. Produção de batata-semente no Rio Grande do Sul. Horti Sul 3 (1): 12-14, 1994.
 - DANIELS, J.; CARVALHO, T.C.P. & COUTO, M.E.O. Alta incidência do vírus do mosaico do tomateiro causa preocupação aos produtores de tomate da Serra Gaúcha. Horti Sul 3 (2): 5-10, 1994.
 - DANIELS, J.; UYEMOTO, J.K.; CASTRO, L.A.S. de & CARVALHO, T.C.P. Ocorrência do vírus do nanismo da ameixeira em pessegueiros no Rio Grande do Sul. Horti Sul 3 (2): 16-20, 1994.
 - DANIELS, J. & CAMPBELL, R.N. Characterization of cucumber mosaic virus isolates from California Plant Dis. 76: 1245-50. 1992.
 - DANIELS, J. Métodos Imunológicos Utilizados na Diagnose de Doenças de Plantas. Revisão Anual de Patologia de Plantas. 2:53-84. 1994.

	Speak	Read	Write
English	xxx	xxx	xxx



Ministério da Agricultura, do Abastecimento e da Reforma Agrária - MAARA
Empresa Brasileira de Pesquisa Agropecuária - EMBRAPA
Centro de Pesquisa Agropecuária de Clima Temperado - CPACT

CURRICULUM VITAE (ABSTRACT)

- 1 - Name: *Bonifacio Hideyuki Nakasu*
- 2 - Address: EMBRAPA-CPACT, Caixa Postal 403 - Telefone (0532)21-2122
Fax: (0532)21-2121 e 21-1248 - CEP - 96001-970 - Pelotas, RS - Brasil
- 3 - Educational Record:
 - a) Engenheiro Agrônomo - from Federal University of Pelotas, RS, Brazil
 - b) MSc - from Rutgers, The State University of New Jersey, N.J., USA - 1972
 - c) PhD - from Rutgers, The State University of New Jersey, N.J., USA - 1977
- 4 - Present Position - Fruit breeder, specially: peare, plum and peach;
 - Supervisor of research on fruit species at CAPCT.
 - Member of Technical Comission Program on fruits and vegetables of EMBRAPA;
 - Council Member of ISHS;
 - Council Member of Graduate School of Federal University Pelotas.
- 5 - Publications: Total: 86
Main publications in the last five years:

NAKASU, B.H.; HERTER, F.G.; LEITE, D.L.; RASEIRA, M. do C.B. Pear flower bud abortion in Southern Brazil. *Acta Horticulture*, 395, Kyoto, Japan. I.S.H.S., P.185-192. 1995.

AUGUSTIN, E.; NAKASU, B.H.; MACHADO, C.A.E. Variabilidade de isoperaxidases em porta-enxertos de pereira (*Pyrus calleryana* e *P. betulae folia*) *Pesq. Agropec. Brasileira*. 28:03:329-331, 1993.

RASEIRA, M.C.B.; NAKASU, B.H.; FORTES, J.F. The CNPFT/EMBRAPA, fruit breeding program in Brazil. *HORTISCIENCE*. 27:11:1154-1157. 1992.

NAKASU, B.H. Temperate zone fruit production in the Tropics and Sbtropics: South Amercia. *Acta Horticulturae*. I.S.H.S. 296(11)231-239, 1992.

NAKASU, B.H.; AUGUSTIN, E. ; MACHADO, C.A.E. Identificação de porta-enxertos de macieira (*Malus* sp.) através de padrões isoenzimáticos. *Rev. Brasil. Fruticultura*: 3(2)123-128.1991.

	Speak	Read	writes
Japanese	xxx	xxx	xxx
English	xxx	xxx	xxx

CURRICULUM VITAE

(Abstract)

1. Name: ELIANE AUGUSTIN

2. Educational Record: Agronomist (Federal University of Pelotas, RS, Brazil)
M.Sc. (University of Nebraska, USA)
Dr. (Federal University of Rio Grande do Sul, RS, Brazil)

3. Present Position: Plant Breeder

4. Main Publications:

CAMPS, G., VERNETTI, F. de J., AUGUSTIN, E., IRIGON, D. Morphological and electrophoretic characterization of twenty soybean cultivars. *Pesquisa Agropecuária Brasileira*, 29 (11): 1779-1787, 1994.

AUGUSTIN, E., NAKASU, B.H., MACHADO, C.A.E. Isoenzymatic variability in pear rootstocks (*Pyrus calleryana* Dcne and *P. betulaefolia* Bunge). *Pesquisa Agropecuária Brasileira*, 28 (3): 329-331, 1993.

AUGUSTIN, E., GARCIA, A. Isoenzymatic, morphological and agronomic characterization of allium genotypes. *Horticultura Brasileira*, 11 (1): 10-13, 1993.

AUGUSTIN, E., TCACENCO, F.A. Isoenzymatic characterization of *Pennisetum purpureum* Schum. germplasm. *Revista Brasileira de Genética*, 16 (3): 685-696, 1993.

SILVEIRA, R.F., AUGUSTIN, E. Relationships among stalk number and diameter, plant high and vigour, and asparagus yield. *Pesquisa Agropecuária Brasileira*, 28 (1): 129-133, 1993.

5. Foreign Language Proficiency

- English: speak, read and write well.
- Spanish: speak and read fairly.

**CURRICULUM VITAE
(ABSTRACT)**

1. NAME: Joel Figueiredo Fortes

2. DATE OF BIRTH: April, 04, 1943

3. ADDRESS: EMBRAPA/CPACT, Cx. P. 403, 96.001-970 Pelotas, RS, Brazil.

4. EDUCATIONAL RECORD:

a) B.Sc. in Agronomy - Federal University of Pelotas, RS, Brazil.

b) M.Sc. in Plant Pathology - Purdue University, West Lafayette, Indiana, U.S.A.

c) Ph. D. in Plant Pathology - Purdue University, West Lafayette, Indiana, U.S.A.

5. PRESENT POSITION:

a) Plant Pathologist researcher

b) Plant Pathology Laboratory Chief

6. MAIN PUBLICATIONS:

Aminopeptidase profiles of four species of *Phytophthora*. Applied and Environmental Microbiology 43(3):597-602.

Evaluation of media for zoospore production of *Phytophthora cactorum*. 3rd (third) International Congress of Plant Pathology, Munchen, Federal Republic of Germany, 16-2 August, 1978.

Resistance of *Monilinia fructicola* (Wint.) to Benomil. Fitopatologia Brasileira 10:282. 1985.

Biological Control of brown rot, *Monilinia fructicola* (Wint.) Honey in peach flowers. Fitopatologia Brasileira 11:359. 1986.

Efficacy of different active ingredients against peach brown rot, *Monilinia fructicola*. Fitopatologia Brasileira 20:317. 1995.

Microorganisms associated to post-harvest rots of apple in Rio Grande do Sul. Fitopatologia Brasileira 10:282. 1985.

Microorganisms associated to apple root rots in the orchards of Rio Grande do Sul. Fitopatologia Brasileira 10:282. 1985.

7. FOREIGN LANGUAGE PROFICIENCY

- English: speak, read and write well.

- Spanish: speak and read fairly.

**CURRICULUM VITAE
(ABSTRACT)**

1. NAME: Márcio Maggani

2. DATE OF BIRTH: June, 06, 1948

3. ADDRESS: EMBRAPA/CPACT, Cx. P. 403, 96.001-970 Pelotas, RS, Brazil.

4. EDUCATIONAL RECORD:

a) Agronomist (Federal University of Pelotas, RS., Brazil).

b) Msc (Michigan State University - Michigan - U.S.A.).

5. PRESENT POSITION:

Rural Development Area Supervisor

6. MAIN PUBLICATIONS:

MAGNANI, M.; FREIRE, C.J. da S.; MORAES, E.C.; CRUZ, A.D. Aplicação da análise foliar como método de diagnose e recomendação em pomar de pessegueiro. In: CONGRESSO BRASILEIRO DE FRUTICULTURA, 5, 1979, Pelotas. Anais. Pelotas, Sociedade Brasileira de Fruticultura, 1979. p. 731-41. (Foliar analysis as a method of diagnosis and fertilizer recommendation for peaches orchard).

MAGNANI, M.; FREIRE, C. J. da S.; MORAES, E. C. Métodos para determinar necessidade e nutrientes. Pelotas: EMBRAPA-UEPAE de Cascata, 1983 n.p. (Documentos, 19). (Methods for determining nutrients needs)

MAGANI, M.; FREIRE, C.J. da S. & MORAES, E.C. Manejo de NPK em pessegueiro (*Prunus persica* L. (Batsch.)). Pelotas: EMBRAPA-UEPAE de Cascata, 1983. 14 P. Trabalho Apresentado no Congresso Brasileiro de Fruticultura, 7, Florianópolis, 1983. (Management of N, P, K on peaches orchards)

MAGNANI, M.; FREIRE, C.J. da S.; MORAES, E.C. Teores foliares de N, P, e K em pessegueiro cv. Diamante em função da aplicação desses nutrientes ao solo. In: I CONGRESSO IBEROAMERICANO, V CONGRESSO LATINO-AMERICANO, IV CONGRESSO NACIONAL DE HORTICULTURA. 1992. Montevideu. Resumos. Montevideu: Sociedade Uruguaia de Horticultura/Confederación Latino-americana de Horticultura, 1991. p. 41. (Foliar levels of N, P and K on peaches plants as result of fertilizer soil application)

MAGNANI, M.; FREIRE, C.J. da S.; MORAES, E.C. Levantamento nutricional em pomares de macieira, cultivar Golden Delicious, no município de Vacaria, RS. Pelotas, EMBRAPA-UEPAE de Cascata, 1979. 6p. (Comunicado Técnico, 3). (Nutritional survey in apple orchards of Golden Delicious cultivar, in Vacaria, RS.)

7. FOREIGN LANGUAGE PROFICIENCY
- English: speak, read and write well.
 - Spanish: speak and read fairly.

**CURRICULUM VITAE
(ABSTRACT)**

1. NAME: Maria do Carmo Bassols Raseira

2. DATE OF BIRTH: November, 04, 1945

3. ADDRESS: EMBRAPA/C Pact, Cx. P. 403, 96.001-970 Pelotas, RS, Brazil.

4. EDUCATIONAL RECORD:

- a) B.Sc. in Agriculture (Escola de Agronomia Eliseu Maciel, Universidade Federal de Pelotas)
- b) M.Sc. in Horticulture (University of Arkansas - U.S.A.)
- c) Ph.D. in Plant Science (University of Arkansas - U.S.A.)

5. PRESENT POSITION:

Fruit breeder

6. MAIN PUBLICATIONS:

BASSOLS, M.C.M & MOORE, J.N. 'Ebano' Thornless Blackberry. *HortScience*, 16(5):686-687. 1981.

RASEIRA, M.do C.B. Apple culture in Southern Brazil: breeding and cultivars. Pelotas, EMBRAPA-UEPAB de Cascata, 1982. 22p. (Documentos, 14).

RASEIRA, M.do C.B. & MOORE, J.N. Comparison of flower bud initiation in peach cultivars in northern and southern hemispheres. *HortScience*, 21(6):1367-8, 1986.

RASEIRA, M.do C.B. & MOORE, J.N. Time of flower bud initiation in peach cultivars differing in chilling requirement. *HortScience*, 22(2):216-8, 1987.

RASEIRA, M.do C.B. ; NAKASU, B.H.; SANTOS, A.M. dos; FORTES, J.F.; MARTINS, O.M.; RASEIRA, A.; BERNARDI, J. The CNPFT/EMBRAPA fruit breeding program in Brazil. *HortScience*. v.27, n.11, p.1154-1157, 1992

7. FOREIGN LANGUAGE PROFICIENCY

- English: speak, read and write well.
- Spanish: speak and read fairly.

**CURRICULUM VITAE
(ABSTRACT)**

1. NAME: Nelson Luiz Finardi

2. DATE OF BIRTH: November, 03, 1946

3. ADDRESS: EMBRAPA/CPACT, Cx. P. 403, 96.001-970 Pelotas, RS, Brazil.

4. EDUCATIONAL RECORD:

a) Agronomist (Federal University of Pelotas, RS, Brazil)

b) M.Sc. (Federal University of Pelotas, RS, Brazil).

c) Dr. (Université des Sciences et Techniques du Languedoc - Montpellier, France).

5. PRESENT POSITION:

Rosaceae Physiologie

6. MAIN PUBLICATIONS:

FINARDI, N.L.; TISCORNIA, J.R. Root rot incidence in apple rootstocks. EMBRAPA - UEPAE de Cascata, nº 16, 5p. 1983.

COUVILLON, G.A.; FINARDI, N.L., MAGNANI, M.; FREIRE, J.C.S. Rootstock influences the chilling requirement of 'Rome Beauty' apple in Brazil. HortScience, 19(2):255-256, 1984.

GUERRA, L.J.; FINARDI, N.L.; SANTOS, B.G.S.; PETERS, J.A. The influence of the waterlogging in the death of peach and plum trees. Pesquisa Agropecuária Brasileira, 27(3):499-508, 1992.

FINARDI, N.L.; CAMELATTO, D.; LEITE, G.B. Obtention of apple scion, cultivar Gala, through grafting and simultaneous rooting of Mambakaido cutting. XIII Congresso Brasileiro Fruticultura, p.861. v.3.1994.

FINARDI, N.L.; LEITE, G.B.; CAMELATTO, D. Comparison manual grafting and mechanical omega and of three types of tying material in scion pear obtention. XIII Congresso Brasileiro Fruticultura, p.861. v.3. 1994

ZECCA, A.E.D.; FINARDI, N.L.; FORTES, G.R.L. Effect of growth regulators on 'in vitro' rooting of pear. REDBIO'95. A 141-1995.

ZECCA, A.G.D.; FINARDI, N.L.; FORTES, G.R.L. In vitro grafting of micro-cuttings on callus as a method of incompatibility determination of pear (Pyrus spp.) on guince (cydonia oblonga). REDBIO'95. A 142-1995.

ZECCA, A.G.D.; FINARDI, N.L.; FORTES, G.R.L. In vitro micrografting as a method of incompatibility determination of pear (Pyrus spp.) grafted on guince (Eydonia ablonga). REDBIO'95. A 143-1995.

7. FOREIGN LANGUAGE PROFICIENCY

- English: speak, read and write fairly.
- French: speak, read and write well.
- Spanish: speak and read fairly.

付属資料10. 各プロジェクトサイト別有機材リスト

現有機材リスト
サンジョアキーン試験場
サンジョアキーン試験場 株式会社 (EPAGRI)

機材名	員数
栽培・土壌肥料・植物生理研究室	
Hand refratometer	1
Cold store room	1
Electronic balance(0.1g)	1
Balance(1 kg;30 kg)	2
pH meter Toa	1
PC-computer(486DX2)	2
Printer(PC-computer)	1
Lux meter Takemura	1
Leaf area meter(out of order)	1
Air flow oven(Heat sterilizer)0-200° C	1
Chlorophyl meter Minolta	1
Soil hardness tester	1
Fruit pressure tester	1
Water deionizer	1
Spectrophotometer Baush Lomb	1
Tartness(fruit juice)meter(automatic dispenser)	1
Fruit juice extractor	1
Portable thermo-higrometer(out of order)	1
Thermohigrograph Ikeda	2
Auger(soil handling)	1
Levelling staff	1
Measuring tapes	1
Soil sieve set	1
植物病理研究室	
Air flow oven (Heat sterilizer)0-200° C	2
Analytical electronic balance	1
Apple scab predictor(KMS-P)	1
Automatic autoclave	1
Centrifuge(5,000rpm)	1

Clean bench(Culture hood)	1
Electronic balance(0.01g;0.1g)	2
Freezer(-18° C)	1
Green house	1
Growth chamber(Termotherapy)KOYTO	1
Incubator-B.O.D(0-40° C)	7
Magnetic stirrer	1
Microscope Nikon Labophot	1
Microscope Nikon Optiphot	1
Microscope-epillumination(Jenavert)	1
Mist chamber(0-40° C)	1
PC-computer(486DX2)	2
Printer(PC-computer)	2
Refrigerator	2
Stereomicroscope Olympus	1
Water bath	1
Water still(1 liter/hour)	1
Grow chamber(9m ²)10a 30° C	1
CO ₂ Hand sprayer(Chemical application)	1
Eko Dew detector	2
Eko Thermograph	2
Automatic weather station	1
Soil sieve set	1

虫害研究室

Incubator B.O.D.	3
Stereomicroscope Olympus	4
Stereomicroscope Citoval with photomicrography	1
Brushing machine	2
Refrigerator	1
PC computer 486	1

発生子察事業(MINISTRY OF AGRICULTURE)

Microscope Nikon/Micronal	1
Microscope Olympus/Micronal	2
Stereomicroscope Olympus/Micronal	2
Balance 10kg	1
Pluviometer	5
Thermopluviograph Basier	1
Thermohygrothermograph Lufft	3

Thermohigrograph	1
Psychrometer	2
Measuring tapes	1

サング、オタワ、ナ州 恵給研次、自及 込社 (5/4622)
カサドール試験場

機 材 名	員 数
-------	-----

果樹育種・組織培養研究室

Analytical balance	1
Freezer	1
Glass dessicator	3

植物生理・栄養研究室

Atomic absorption spectrophotometer	1
Spectrophotometer	1
Nitrogen destillator	1
Exhaust hood	1
Heater blocks for N digestion	2
Electrical oven	2
Electrical oven with forced air	1
Automatic titrator	1
pH meter	1
Water bath	1
Dionizer water destillator	2
Gas chromatograph	1
Automatic fruit pressure tester	1
Analytical balance	2
Manual refratometer	2
Oxygen analyzer	1
CO ₂ analyzer	1

植物病理研究室

Growth chamber for fungus and bacteria	1
Horizontal laminar flow station	1
Analytical balance	1
Binocular microscope with phase contrast	2
Stereoscope microscope	1
Centrifuge	1
Freezer	2

Water destillator	1
Analytical balance	1
Oven for sterilizing petri dishes	1
Exhaust hood	1
Growth chamber	2
pH meter	1
Magnetic stirrer	2
Blender	1
Water bath	1

虫害研究室

Growth chamber	3
Bacteriological oven	1
Analytical balance	1
Dehumidifier	2
Humidifier with humidostat	1
Humidifier without humidostat	1
Heater humidifier with humidostat and thermostat	1
Stereoscope microscope	4
Climatized room for raising fruit fly	1
Binocular microscope with phase contrast	1
Electrical heater plate	1
Dionizer water destillator	1
Timer	1
Brushing machine	2

フジテレビ産科研大公社遠東農科研交センター
EMBRAPA/CPACT

機材名

員数

土壤肥料研究室

Spectrophotometer for atomic absorption	1
Spectrophotometer for UV-visible w/computer attached	1
Electronic scale for 4 Kg, sensibility of 0.01g	1
Flame photometer, digital, for K and Na determination	1
pH meter digital, complete	1

組織培養研究室

Magnetic stirrer	1
------------------	---

Automatic dispenser with seringe-valve for 0.5-5.0 e 2.0-20.0ml	2
Digital scale for 200 g	1
Water bath w/temp.set for 12 liters	1
Hot plater	2
Desumidifier	1
pHmeter with eletrodes for pH and CN	1

植物病理研究室

Table shaker for tubes	1
CO2 infrared analyser, for 0.1% to 10.0% range	1
O2 analyser: 0.1 to 21% and CO2 0.1 to 20% range	1
Oxygen infrared analyser for 0.1 to 10.0% range	1
Photosynthesis analyser on the plant	1
Plant stress analyser equipped with computer	1
Bidestillator for 30 l/hr	1
Ultrasonic bath with accessories for sample desintegration	1
Vacuum pump for high capacity with two stages	1
Refrigerated centrifuge(30.000 rpm)	1
Climatic chamber w/accessories for controlling temp., humid. and lighth	1
Growth chamber with temp.control. from -10 to +50°C	1
Air conditioning for green house	2
Desumidifier	1
Spectrophotometer for extemal fruit color measurement	1
Light meter	1
Rootmeter w/photoelectric cell	1
Measurer	1
pH meter with eletrodes for pH and CN.	1
Organic cabon analyser, authomatic for sample injector	1
Fruit hardness meter	1
Chromatograph for HPLC	1
Liquid gas chromatograph	1
Vacuum dryer	1
Magnetic stirrer	1
Dataloger for 40 points	4
Anemometers of resistence compatible with dataloger	10
Tube stirrers	2
Digital balance 40 g capacity, precision 0.00001 g	1
Kit for thin Layer cromatography	1
Stereomicroscope with camera	1

Due meter	1
Fruit hardness meter	1
Sensors for soil umidity	20
Sensors for sun radiation	15
Sensors for air temp.	60
Sensors for leaf temp.	4
Sensors for air umidity	10
Sensors for wet period	1
Thermohygrographs	5
Tele thermometers	5
Thermometer/milivoltmeter	1
Equalizator valve of chamber pressure	1
Portable photosynthesis system analyser	1
Portable, 0-30 Brix	1

免疫学研究室

Horizontal stirrer with graduated chronometer to 300 rpm	1
Tube stirrers	3
Analitical balance up to 180 g	1
Colormeter for reading microtitration plates(ELISA)with adjusting wave length	1
Heating and refrigerating system for greenhouse	2
Liquid cintilation counter	1
UV-VIS spectrophotometer with visor and recorder, with 4 pairs of rectangular glass and quartz cells, for 6 readings	1
Small incubators for bacteria	2
Microtitration plates washer	1
UV reader for sacarose gradients with peristaltic pump and sample fraccionator	1
Miniautoclave for pipet tips	1
Automatic pipetters for 20, 200 and 2000 μ l	2
8 channel pipetters for microtitulation plater	2
Residues grinder	1
Ultra freezer(-80°C)	1
Vertical autoclave w/atmosphere settlement	1
Automatic coloniss counting	2
Automatic unit for liquid dispense	1
Vaccuum pump, 2 stages, hight capacity	1
Refrigerated microcentrifuge	1
Ultra microtom for E.M.	1

Knifemaker for E.M.	1
Staining microwave for E.M.	1
Sputter coater for E.M.	1
Metallizator for E.M.	1
Microprocessor for routine analysis with computer program	1
Desumidifier	1
Stereoscopic microscope	1
Imunofluorescence microscope	1
Freezedryer complete	1
Pitotrons for adult plants	2

電気泳動研究室

Fast system for electrophoresis	1
pH meter	1
Transiluminator for UV light	1

ビデオ製作部門

Vehicle for 9 pasengers	1
Automatic folding machine, with 3 stations, 490×660mm form	1
Computadorized photomechanical camera, with zoom control, vaccuum table 500×600mm, for color selection	1
Off set printer, bicolor, 480×660mm form	1
Printing press 800×1000mm form	1
Automatic guikkotine, programmable, hydraulic, 155×1200mm form	1
Photographic camera 6×6cm, with macro lenz, teleobjective and normal	1
Laboratory for revealing and amplifying color photographs	1
Graphic film 500×600 mm	1
Slide processor and developer, 35 cm	1
Computer 486 with color monitor	2
Laser printing, 1000 per inch dots resolution	1
RGB Screen	1
Edition island, S-VHS digital form(AB-ROLL)	1
Illumination system for studio/TV	1
Data show	1

JICA