



FUNDACION PARA LA
INNOVACION AGRARIA
MINISTERIO DE AGRICULTURA

PROPUESTA **“EVALUACIÓN DE LA SITUACIÓN FITOSANITARIA DEL
NOGAL EN CHILE”**

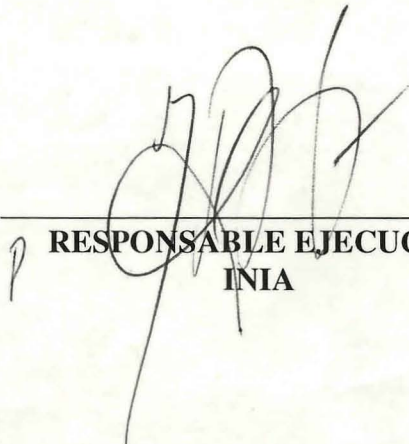
CÓDIGO **FIA B-027**

PATROCINANTE **CRI - LA PLATINA
INSTITUTO DE INVESTIGACIONES AGROPECUARIAS**

SUPERVISOR **SRA. PAULINA ERDMANN FUENTES**

RESPONSABLE **SR. GAMALIER LEMUS**

MODIFICACIONES



RESPONSABLE EJECUCIÓN
INIA



SUPERVISOR
FIA

FORMULARIO B-I
PRESENTACION DE PROPUESTA
SUBPROGRAMA CONTRATACION CONSULTORES CALIFICADOS

1. TITULO DE LA PROPUESTA

EVALUACIÓN DE LA SITUACIÓN FITOSANITARIA DEL NOGAL EN CHILE

2. ESPECIALIDAD

FRUTICULTURA

3. IDENTIFICACION CONSULTOR (adjuntar *curriculum vitae* y carta de respaldo)

Nombre John Mircetich

Institución / Empresa University of California, Davis

Dirección postal U of California, Davis. Departament of Plant Pathology. Davis, Ca 95616

Teléfono 1(530)752 1919 Fax 1- 530 752 5674 e - mail _____

País U S A

4. PATROCINANTE

INSTITUTO DE INVESTIGACIONES AGROPECUARIAS CRI LA PLATINA

5. CONTRAPARTE NACIONAL

JORGE VALENZUELA B. INIA CRI LA PLATINA

MARIO ÁLVARES A. INIA CRI LA PLATINA

GUIDO HERRERA M. INIA CRI LA PLATINA

GAMALIER LEMUS S. INIA CRI LA PLATINA

BERNARDO LATORRE G. PONTIFICIA UNIVERSIDAD CATÓLICA E CHILE

6. TERMINOS DE REFERENCIA PARA EL CONSULTOR

Se adjunta curriculum vitae

7. DESCRIPCION DE LA PROPUESTA

El objetivo de este trabajo es aprovechar la experiencia del Dr. Mircetich en el conocimiento de las enfermedades del nogal, especialmente en lo referido a dos problemas, de alta incidencia en el mundo: Pudriciones de raíz y cuello, causadas por diferentes especies de *Phytophthora sp.* Y la presencia del virus de la línea negra (Blackline), descubierto, descrito y estudiado por este especialista.

El período en Chile va del 2 de Noviembre al 12 del mismo mes.

Se establece un programa de visitas a noredales en las Regiones V, RM y VI, donde se concentra la principal área plantada con la especie. En este recorrido se tomarán muestras de material para analizar, tanto en el laboratorio de virología del CRI La Platina, como en el Patología Frutal del mismo CRI, además del de La Pontificia Universidad Católica de Chile.

En el período de preparación y análisis de las muestras se realizarán Reuniones Técnicas con productores, profesionales y técnicos, tanto en el CRI La Platina como en Regiones.

De toda esta actividad se generará un documento como INFORME, con las recomendaciones que de él surjan, de manera de programar estrategias futuras que permitan mejorar la situación sanitaria del nogal.

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8. COMPROMISO DE TRANSFERENCIA

DOS REUNIONES TÉCNICAS CON PRODUCTORES PROFESIONALES Y TÉCNICOS RELACIONADOS CON LA ESPECIE NOGAL.

V REGIÓN: Asociación de productores de San Felipe.

R. M. : CRI La Platina.

9. BENEFICIARIOS

Productores de nogal asociados al Proyecto FIA- INIA, en la V Región.

Productores y exportadores de nueces de la V R., R. M. y VI R.

10. IMPACTOS ESPERADOS

Dimensionar la incidencia de las enfermedades del nogal, para desarrollar estrategias de manejo que eviten muerte de plantas y baja de la productividad de la especie por estas causas.

Conocer la presencia del virus de la línea negra en el nogal, para prevenir su diseminación, especialmente cuando la especie expande su superficie.

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11. PROGRAMA DE ACTIVIDADES			
FECHA	LUGAR	ACTIVIDAD	OBJETIVO
02 NOVIEMBRE <i>EN FRO</i>	CRI LA PLATINA	Preparación salidas a terreno	
03 NOVIEMBRE	SAN ESTEBAN, PIGUCHÉN	Colecta de muestras, en conjunto con los especialistas nacionales	Análisis de laboratorio
04 NOVIEMBRE	SANTIAGO, TALAGANTE, PIRQUE	Colecta de muestras, en conjunto con los especialistas nacionales	Análisis de laboratorio
05 NOVIEMBRE	RANCAGUA, CODEGUA	Colecta de muestras, en conjunto con los especialistas nacionales	Análisis de laboratorio
06 NOVIEMBRE	CRI LA PLATINA	Discusión técnica en laboratorio	
07 NOVIEMBRE	DESCANSO		
08 NOVIEMBRE	DESCANSO		
09 NOVIEMBRE	SANTIAGO, RANCAGUA	Recorrido problemas de Phytophthora (Mario Álvarez y Bernardo Latorre)	
10 NOVIEMBRE	SAN FELIPE	CHARLA PRODUCTORES	
11 NOVIEMBRE	CRI LA PLATINA	CHARLA PRODUCTORES	
12 NOVIEMBRE	REGRESO USA		

COSTO TOTAL Y APOORTE SOLICITADO (EN PESOS)				
ITEM	COSTO TOTAL	APOORTE PROPIO	APOORTE SOLICITADO	ACTIVIDAD ASOCIADA
Pasajes aéreos internacionales	612.480		612.480	viaje del consultor
Tasas de embarque	29.696		29.696	viaje del consultor
Seguro de viaje	53.824		53.824	
Viáticos	822.000		822.000	estadía del consultor
Honorarios consultor	2.320.000	2.320.000		
Honorarios intérprete	300.000	300.000		
Arriendo vehículo	192.000		192.000	viajes terrestres
Gastos bencina	40.000		40.000	viajes terrestres
Peajes	10.200		10.200	
TOTAL	4.380.200	2.620.000	1.760.200	

Curriculum Vitae

Srecko M. (John) Mircetich
Department of Plant Pathology
University of California
Davis, CA 95616

(916) 752-1919, 752-6745

PERSONAL DATA

BIRTH: September 2, 1926; Skela Mod Obrenica, Serbia, Yugoslavia

FAMILY: Married, 1956; Sons, 1969 and 1974

EDUCATION

University of Sarajevo Yugoslavia	-	1947 - 1952	-	Eng. of Agronomy
University of Belgrade Yugoslavia	-	1953 - 1954	MS	Plant Protection
University of California Riverside	-	1962 - 1966	PhD	Plant Pathology

PROFESSIONAL EXPERIENCE

1994-PRESENT PLANT PATHOLOGIST, CONSULTANT

1990 - 1994	SE-1 Senior Executive Service, Supervisory Plant Pathologist, Research Leader, USDA, ARS, Associate in the A.E.S. and Lecturer, University of California, Davis
1988 - 1990	GM-15, Research Plant Pathologist, Research Leader and Location Coordinator, USDA, ARS, Associate in the A.E.S. and Lecturer, University of California, Davis
1981-1988	GM-15, Research Plant Pathologist, USDA, ARS, Associate in the A.E.S. and Lecturer, University of California, Davis
1976-1981	GS-14, Research Plant Pathology, USDA, SEA, AR, Associate in the A.E.S. and Lecturer, University of California, Davis
1972-1976	GS-13, Research Plant Pathology, USDA, ARS, Associate in the A.E.S. and Lecturer, University of California, Davis
1971-1972	GS-13, Supervisory Research Plant Pathologist, USDA, ARS, Beltsville, Maryland
1969-1971	GS-13, Research Plant Pathologist, USDA, ARS, Beltsville, Maryland
1966-1969	GS-12, Research Plant Pathologist, USDA, ARS, Beltsville, Maryland

1958-1965	Research Associate, Department of Plant Pathology University of California, Riverside, California
1954-1957	Head and Plant Pathologist, Department of Plant Protection Expt. Station for Subtropical Agriculture, Bar, Yugoslavia
1953-1954	Plant Pathologist, Department of Plant Protection, University of Belgrade, Yugoslavia
1952-1953	Assistant Plant Pathologist Expt. Station for Subtropical Agriculture, Bar, Yugoslavia
1950-1952	Research and Teaching Assistant, Dept. of Plant Protection, University of Sarajevo, Yugoslavia

MEMBERSHIP IN SCIENTIFIC SOCIETIES

- American Phytopathological Society
- International Society of Plant Pathology
- Pacific Division, APS
- International Society for Horticultural Science
- Apple and Pear Disease Workers Organization

MEMBERSHIP AND ASSIGNMENTS IN PROFESSIONAL HONORARY SOCIETIES

Soil Microbiology and Root Disease Committee, APS
1976-1978

Executive Committee of the Intl. Working Group of Phytophthora, ISPP
1978-present

Committee on Root and Crown Rot Diseases, Apple and Pear
Disease Workers Organizations
1978-present; Chairman 1978-1984

Executive Committee of Apple and Pear Diseases Workers Organization
1979-1982

Steering Committee of the Western Soil-borne Fungal Disease Conference
1977-1985

Executive Committee of the California Plant Diseases Workers Organization
1979-present

Pacific Division-APS symposium "Phytophthora Diseases of Fruit and Nut
Trees and Woody Ornamental Plants", the 1977 Annual Meeting, APS-PD,
San Francisco. Organizer, 1977

Reviewer for the following journals: Phytopathology, Plant Disease,
HortScience, Can. J. of Botany, and Can. J. of Microbiology.

Associate Editor for Plant Disease

Executive Committee for the National Stone Fruit Decline Working Group
1984-present

President Elect and President of the Pacific Division of the American Phytopathological Society 1987-1988 and 1988-1989 respectively

HONORS AND AWARDS

Sigma Xi

"the most significant development to have occurred in walnut production during the last 50 years." Resolution by the Walnut Marketing Board for February 14, 1980.

Letter recognizing: "the quality....and outstanding research accomplishments on fruit and nut crops diseases in the Western States," Dr. T. B. Kinney, Administrator, SEA, AR, May 12, 1980.

Letter recognizing: "efforts and the significance of his research accomplishments in regard to walnut blackline." Board of Directors of Diamond Walnut Growers Association, March 5, 1979.

Letter recognizing: "the completeness and the scientific analysis of PL-480 projects.....efforts and dedication in helping improve agriculture in less-developed countries.....and for the continuing excellence of research and ability to use research to solve grower problems," Dr. H. O. Grauman, Chief Scientist, SEA, AR, October 20, 1979.

American Phytopathological Society - CIBA-Geigy Award "for his unique contributions to the knowledge of several difficult and complex relationships of diseases of tree fruit and nut trees." The award is given to individual plant pathologists who made significant recent contributions to the advancement of knowledge of plant diseases and their control. 72nd Ann. Meeting of APS New Orleans, Louisiana, August 2-6, 1981.

Certificate of Merit from the International Society for Horticultural Sciences for his contributions as a member of the working group "Apricot Culture and Decline." First time in the history of the society that a member of the society was awarded the merit certificate "for his devoted contributions to promote and actively support international cooperation in this field of research which had led to a better understanding of the problems arising in this sector." The Hague, July 16, 1981.

Cherry Man of the Year Award for "devoted service and outstanding contributions to the cherry industry", San Joaquin Cherry Growers and Industries Foundation, 23rd Ann. Cherry Day Day of Cherry Growers and Industry Foundation, Stockton, California, February 24, 1982.

Lee M. Hutchins Award for "the best contribution to basic and applied research on virus or viruslike infectious diseases of fruit plants" American Phytopathological Society at the 75th Ann. Meeting of APS held at the Iowa State Univ., Ames, Iowa, June 27, 1983.

ARS Scientist of the Year Award - Western Region "for innovative research leading to understanding cause and control of numerous decline disease of fruit and nut crops." U.S. Dept. of Agriculture, Washington, D.C., November 19, 1984.

Oregon Hort. Society Award for "participation with distinction as a speaker in the Centennial Celebration Program of the Oregon Horticulture Society." Portland, Oregon, January 29, 1985.

Superior Service Award of the U.S. Department of Agriculture for his research on major diseases of important fruit and nut crops, Washington, D.C., June 19, 1985.

Fellow of the American Phytopathological Society at the 1987 Ann. Meeting, Cincinnati, Ohio, August 2-6, 1987.

TEACHING RESPONSIBILITIES

Lecturer, Department of Plant Pathology, UC Davis, 1972-present
Guest lecturer, Plant Pathology 206, 1978-present
Plant Pathology Seminar, Chairman, 1981-1982

UNIVERSITY OF CALIFORNIA, DAVIS - COMMITTEE AND RELATED ACTIVITIES

Technical advisor for NRP 20010-Stone Fruits Production Practices, June 1974 until NTA system reorganized.

Technical advisor for NRP 20270-Control of Disease and Nematodes; Stone fruit Crops, August 1975 until NTA system reorganized.

University of California, Commodity Research Advisory Committee for Cherries, 1976-present.

Advisory Committee for the California Statewide IPM Project, 1978-1984.

University of California Commodity Research Advisory Committee for Walnuts, 1978-present.

WRCC-20 "Virus and Viruslike Diseases of Fruit Crops", subject coordinating committee, 1978-1987.

California Statewide IPM Program Technical Committee, 1979-present.

Technical Committee for the Almond IPM Program in California, 1979-present.

Department of Plant Pathology Research Committee, Davis, 1983-present.

Technical Committee for Walnut IPM Program, 1979-present.

Peer Reviewer -CRIS research proposals USDA, ARS, pertaining to fruit-tree crops research.

Prunus Crop Advisory Committee of the National Plant Germplasm Committee, May 1985-present.

Juglans crop advisory committee of the NPGC, May 1985-present.

Various dissertation committees for Ph.D. and M.S. candidates in the Plant Pathology Department, University of California, Davis, 1972-present.

UCD COMMITTEES

Department of Plant Pathology Greenhouse Committee, 1975-present.

Department of Plant Pathology Research Committee, 1984-present.

Foundation Plant Material Service Industry Advisory Committee for the California's Fruit Industry. January 1984.

U.S. and INTERNATIONAL ACTIVITIES

Plant Protection Institute, Hungarian Academy of Science, Budapest, Hungary, Reviewer and consultant on the fruit pathology research programs, July 19-21, 1983.

Plant Protection and Agrochemistry Center, Fruit and nut tree division consultant on the research needs and directions on Prunus stem pitting and walnut cherry leaf rot virus diseases. Budapest, Hungary, July 22-23, 1983.

University of Belgrade, Pomology Department. Reviewer and consultant on the research needs and direction pertaining to breeding and evaluation of cherry cultivars and rootstock to soil-borne diseases. Yugoslavia, July 25-27, 1983.

Reviewed and evaluated 15 PL-480 research projects in Poland, Yugoslavia, *Hungary*, India, and Pakistan, for OICO/IRD during 1975-1984.

USDA ARS ACTIVITIES

Ad-Hoc Scientific Panel to evaluate and initiate budget increase proposals for FY78 for WR. Berkeley, California, November 18-20, 1975.

USDA, FCLC Consultant and resource person in developing California Program for fruit and trees insurance against losses due to diseases, Davis, CA, Nov. 9-10, 1982.

Indian National Horticultural Institute. Consultant for the research direction on soil-borne diseases of fruit and nut trees. Bangalore, India, March 1981.

Agricultural Research Institute, Tarnab, Pakistan. Consultant on research need for modernizing fruit industry, April 1981.

British Columbia, Ministry of Agriculture, Research Station. Consultant on the research direction and needs for Phytophthora crown rot disease of fruit trees. Summerland, B.C. Canada, November 19-20, 1981.

The Research Institute of Pomology, Plant and Orchard Protection Department. Consultant on rootstocks and their resistance to soil-borne diseases and research related to these problems. Skierniewice, Poland, October 1975.

Fruit and Nut Crops Research Branch. Advisor for contract studies on stone fruits dealing with Pythium and cold injury in Georgia, Clitosybe in California; biochemical nature of resistance to bacterial spot and collection of plant material resistant to perennial and bacterial cankers in North Carolina. 1967-1973.

Fruit and Nut Crops Research Branch, Plant Science Division. Supervisory plant pathologist with leadership responsibility for stone fruit disease research programs in the East and supervised five professional plant pathologists (GS-12 and GS-13). 1971-1972.

ADODR for the following extramural, specific cooperative agreement research projects funded by ARS.

1. Diagnosis, etiology and vectors of Western-X disease of cherry, conducted by University of California, Berkeley and Davis; September 1977-December 1985; grant \$293,000.
2. Cherry rootstock evaluation, conducted by the University of California, Davis, September 1978-September 1984; grant \$100,000.
3. Effects of different levels of soil moisture on roots and decline of walnuts, conducted by the University of California, Davis, September 1979-September 1982; grant \$68,000.
4. Differential sensitivity of walnut rootstocks to environment saturated with water, conducted by the University of California, Davis, September 1979-September 1981; grant \$42,000.
5. Plant propagation by tissue culture and improvement of walnut rootstocks and cultivar, conducted by the University of California, Davis; September 1981-1985; grant \$184,000.

Agricultural College and National Agricultural Research Institute at Chapingo, Mexico, advisor and consultant for research on avocado root rot, February 1964.

Cooperating scientist and Technical Advisor for Special Foreign Currency research project PK-ARS-97(N), N.W.F.P., Pakistan, since 1977-1984.

Univ. of Belgrade & Fruit Research Institute-Cacak, Cooperating scientist and Technical Advisor for SFC Research project (YO-AR-JB-72) "Selection of indigenous Prunus ecotypes and studies of resistance to Sharka (Plum pox) virus." Yugoslavia, August 1980-1984, and YO-ARS-138-JB-158 January 1988-~~present~~. 1993

Reviewed and evaluated and designated cooperating scientist and Technical Advisor for two SFC research proposals presently under consideration and negotiation by OICD/IRD to be conducted in Yugoslavia. 1973-~~present~~. 1994



Nº 2.29 /

Santiago, 21 SEP 1998

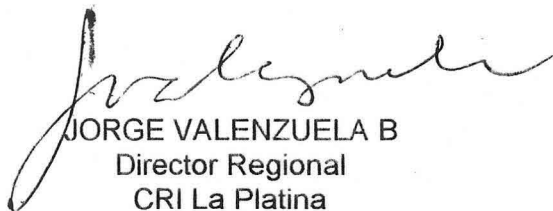
Señorita
Francine Brossard L.
Directora Ejecutiva
Fundación para la Innovación Agraria
Presente

De mi consideración:

En atención a las observaciones para la aceptación de la consultoría del Doctor John Mircetich, me permito informar a usted que incluiremos el Informe Final del especialista, en el Informe de la Consultoría.

Por otra parte, se ha encargado al Doctor Mario Alvarez Aburto, como el Coordinador Responsable de esta actividad.

Atentamente,



JORGE VALENZUELA B
Director Regional
CRI La Platina

cc: Mario Alvarez A.
Guido Herrera M.
Gamalier Lemus S.