

CURRICULUM VITAE

Raj Saini

ACADEMIC QUALIFICATIONS

- B.Sc. (1971) Biology, Punjabi University, Patiala, India
- M.Sc (1973) Botany, Punjabi University, Patiala, India
- Ph.D. (1976) Crop improvement (Genetics and Breeding),
Punjab Agricultural University, Ludhiana, India

PROFESSIONAL TRAININGS, MEMBERSHIPS ETC.

- Research Fellowship (1973-76), Atomic Energy Commission of India
- All India Agricultural Research Service Examination (1976)
- Received offer of Post doctoral research fellowship (1980) from
International Rice Research Institute, Manila, Philippines
- Research Farm Management training (1991),
International Institute of Tropical Agriculture, Nigeria
- Plant propagation training (1995), Manukau Inst. of Technology, NZL
- Member International Horticultural Society
- Member Royal Society of New Zealand
- Member Auckland Chamber of Commerce
- Member NZ Institute of Agric & Horti Sciences

HOBBIES:

Travel and tourism: have visited Pyramids in Egypt,
Niagara falls in Canada, Alps in Switzerland, Rift valley in Kenya,
Statue of Christ in Rio, Brazil, Taj Mahal in India,
Thermal geysers in Rotorua, and Alcatraz in California.

WORK EXPERIENCE: Thirty five years of Agric-management, R&D planning, technology generation/transfer, crop& nursery production, marketing & agro-exports as:
-**Research Fellow** (Crop improvement), Punjab Agric. University, India 1973-76;
-**Scientist** (Food crops) at Indian Council of Agric. Research, HQ, New Delhi, 1976-85 ;
-**Agribusiness Manager;** Large farm management & agro-exports: Nigeria, 1985-95;
-**Commercial Manager** (Vegetable seed/transplants) New Zealand, 1995- 1998, and
-**Director/Manager** of Rupex Growtech Ltd, a leading company supplying Vege seeds & plug plants to commercial growers in Auckland region, and technology transfer. 1998-

Have proven SKILLS in:

- Agric R & D planning & coordination, Project formulation & implementation, overseas collaboration and Research-extension liaison at National level;
- Adaptive research to evaluate & identify new varieties/hybrids and location specific technology suitable to local cropping systems and market needs;
- Agro-horticultural projects: setting up, restructuring & management of crop and nursery production/export oriented projects on commercially viable basis; and
- Agri-business: Marketing of seeds, plug-plants, agro-commodities, & exports.

PUBLICATION: Forty seven in National and international periodicals

PUBLICATIONS
RAJ S. SAINI

**VEGETABLE SEEDS, PLUG- SPLANTS, GREENHOUSE MANAGEMENT
AND TECNOLOGY TRANSFER NEW ZEALAND: 1995 TO DATE**

- Greenhouse disease Management
The Grower (Wellllington) Nov 2010
- Integrated pest management for greenhouse production.
African Farming (London) Sep/Oct 2008
- Have competitive advantage through new varieties
The Grower (Wellington,NZ) August 08*
- Watermelon production in New Zealand
The Grower (Wellington,NZ) September 06
- Stay on top of the crops: use new varieties
The Grower (Wellington,NZ) August 06*
- A practical guide to greenhouse disease management.
The Grower (Wellington,NZ) October 05
- Role of resistant varieties in Integrated Pest Management.
The Grower (Wellington NZ) August 05*
- Identify your own varieties: a field guide to the growers.
The Grower (Wellington NZ) August 04*
- Know your hybrids: Advantages worth the cost.
The Grower (Wellington NZ) August 03*
- Varietals diversity to combat problems of monoculture.
The Grower (Wellington NZ): August 02*
- Breeding new varieties of Vegetable brassicas.
The Grower (Wellington NZ): August 01*
- Your guide to new varieties of Vegetable crops.
The Grower (Wellington NZ): August 00*
- Greenhouse management: a beginners guide
The Commercial Grower (Wellington NZ) March 00
- Cabbage varieties for year round production in Auckland region.
The Commercial Grower (Wellington NZ) March' 99
- Greenhouse management for disease/insect pest control.
African Farming (London) Sep/Oct.'98
- Chemical control of greenhouse diseases & insect pests.
African Farming (London) Jan/Feb'99
- Cauliflower Varieties for year round production in Auckland region.
Commercial Grower (Wellington NZ) Sept.' 98
- The importance of new varieties/hybrids
Commercial Grower (Wellington NZ) July'98
- A plug for cells. Vege plug seedlings: sensitivities and precautions.
Commercial Grower (Wellington NZ) Feb.'98

- Plug Transplant Technology for quality vegetable production.
African Farming (London) May-Jun.'97:33-34

*I have been assisting 'The Grower' magazine to bring out special issues on new varieties of vegetable crops every August since 2000. 'The Grower' published from Wellington, is an official publication of the 'Vegetable & Potato Growers Federation' of New Zealand'. www.thegrower.co.nz

COMMERCIAL CROP PRODUCTION AND AGRO-BASED EXPORTS, NIGERIA: 1985-1995

- . Making mechanization work: A sub Saharan Experience
African Farming (London) Mar-Apr.'98:41-42
 - Cashing in on cashew: Production, processing and exports.
African Farming (London) May-Jun.'94: 25-26
 - Cashew: a forex spinner for West African countries.
Business Magazine of Nigeria (Lagos) Sept.'94:34-35
 - Expanding Agro-Exports from West Africa.
Part I: General aspects. African Farming (London) Sept-Oct,' 93: 39-40
Part II: Specific area of deve. African Farming (London) Nov-Dec.'93: 25-26
 - Export potential in Cashew nut industry.
The Nigerian Investor (Lagos) Jan-Apr.' 93: 10-13
 - Wipe out weeds: Weed management in Savanna areas.
Part 1: general management: African Farming (London) July-Aug.'92: 31-34
Part II:Chemical weed control:African Farming (London) Sept-Oct.'92: 49-50
 - Finding a way through the maize: a techno-commercial viability of mechanized crop production. African Farming (London) Sept-Oct.'91: 17-18
 - Experience of mechanized soybean production in middle belt of Nigeria.
8th Conference, Nigerian Soybean Association, I.I.T.A. Ibadan, Feb 6-8, 1989
 - Soil conservation in large scale farming. Soil Science Society of Nigeria,
Federal University of Technology, Minna, Nov 27-30, 1988
- 'African Farming' is published bimonthly by Alain Charles Publishing Ltd. London for the whole African region. (www.alaincharles.com)

NATIONAL 'R & D' PLANNING, IMPLEMENTATION ,MONITORING AND TECHNOLOGY TRANSFER. INDIA:1976-1985

- **Virk, D.S., G. Singh, G. Harinarayana and R.S. Saini (1985)**
Stability analysis for comparing pearl millet hybrids in India,
Sabrao Journal(Malyasia) 17 (2) 129-133
- **Lal, S. and R.S.Saini(1985)**
New Technology for maize production, Indian Farming (N.Delhi) Jul.'85: 5-8
<http://agris.fao.org/agris-search/search/display.do?f=1986/IN/IN86008.xml:IN8600419>
- **Saini, R.S and S. Lal (1984)**
Varietal improvement in food crops, Indian Farming(New Delhi) Nov. '84: 3-5
- **Saini, R.S , R.k Mehta and S. Lal (1984)**
Research on upland rice,Indian Farming(New Delhi) Aug. '84: 4-8
- **Jeswani, L.M and R.S Saini (1983)**
IR-36 a new variety of rice,Indian Farming(New Delhi) Aug. '84: 3-4
- **Jeswani, L.M and R.S Saini (1983)**
Highlights of Barley research in India,Indian Farming(New Delhi) Oct.'83: 13-16
- **Jeswani, L.M and R.S Saini (1982)**
Overveiw of pulse production in India; Pulses:contraints and opportunities.
Oxford IBH Publication(New Delhi) 289-293
- **Saini, R.S and R.k Mehta (1982)**
Advances in Research on Millets, Indian Farming(New Delhi), Mar. '82: 4 pages
- **Saini, R.S (1981)**
Towards higher rice productions, Indian Farming(New Delhi), Sept. '81 3 pages
- **Jeswani, L.M and R.S Saini (1981)**
Pulses; striving for adequacy, Pulses Newsletter (New Delhi)2: 3 pages
- **Jeswani, L.M and R.S Saini (1981)**
Summer moong (Greengram) technology,Indian Farming (New Delhi), Aug. '81
- **Jeswani, L.M. and R.S. Saini (1981)**
Highlights of Research on Pulses, Indian Farming (New Delhi), August'81:P7
- **Saini, R.S. (1978)**
Manures and Fertilizers: a book review, Indian Farming(New Delhi),Dec.'78

'Indian Farming' is an official publication of Indian Council of Agricultural Research, a national body responsible of agricultural research planning, implementation and technology transfer in the country. (www.icar.org.in)

BASIC RESEARCH: GENETIC AND PLANT BREEDING,

INDIA (1973-76)

- **Minocha J.L., J.S. Sidhu and R.S. Saini (1983)**
Mapping of a Pearl Millet chromosome through chromosomal interchanges.
International Congress of Genetics, held in India. Dec. '83
- **Minocha J.L., D.S. Brar, R.S. Saini, D.S. multani and J.S. Sidhu (1982)**
A translocation tester set in Pearl millet, Theor.Appl.Genet.(Berlin) 62:31-33
<http://www.springerlink.com/content/n383533358x6258v/>
- **Saini, R. S. and J.L. Minocha (1981)**
A compensating trisomic in Pearl Millet. The Journal of Heredity (Oxford,U.K)
<http://jhered.oxfordjournals.org/cgi/content/abstract/72/5/354> 72: 354-355
- **Minocha, J.L, D.S Brar and R.S Saini (1980)**
Chromosomal Interchanges in Pearl Millet
Trends in Genetical Research in Pennisetums, P.A.U, Ludhiana, India
- **Minocha J.L, R. S. Saini and D.S Brar (1979)**
Aneuploids from chromosomal interchanges in Pearl Millet
Canadian J. Genet. Cytology XXI (4) 571

These publications were based on the research work done at Punjab Agricultural University, Ludhiana, India (www.pau.edu)

WORK BASED PRESS COVERAGE

- Breeding trends in Brassicas: Brassicas today web site, 2009
<http://www.brassicastoday.com/en/breeding-trends-in-vegetable-brassicas--newsc-240.aspx>
- Rupex Growtech commits itself to the Vege-industry. The Grower Oct 2007
- Cell Tech sells its vegetable transplant division to Rupex. The Grower 2006
- A specialist Plug transplant nursery:Rupex Growtech Ltd. India News link(NZ)Feb00
- Melagro Exports Ltd. A company profile. African Farming (London) May-Jun,94
- Soil/water conservation/Out growers' scheme. African Farming:Sep-Oct,1989
- The real farmers' farm. The Herald (Nigeria) Jan 30,1989
- Nigerian farming project goes for growth. African Farming (London):Jan-Feb'89
- Farm boss(R.S.Saini) praises Kwara state Govt. The Herald(Nigeria)Dec30,98
- Federal Govt. Agric policy lauded (R.S.Saini): The Herald (Nigeria) Dec2,1988
- Research on upland rice. United News of India: Agric Service : IX (39) 887-891
- Highlights of research on pulses in India (L.M.Jeswani & R.S.Saini)
State Bank of Mysore Farm News (Banglore, India) VI (8) 13-20
- Increasing pulses production in India (L.M.Jeswani & R.S.Saini)
United News Of India: Agric. Service(Delhi) :VIII (9) 173-76
- Pulses: constraints and opportunities in India. (L.M.Jeswani & R.S.Saini)
The Economic Times (Delhi) Oct9,1982

GEOGRAPHICAL ANALYSIS OF THE PUBLICATIONS

<u>Agro-climate</u>	<u>Target region</u>	<u>Subject matter</u>	<u>Number</u>
General	Basic Research	Crop genetics & breeding.....	5
Tropical /Sub Trop.	India	National R&D planning, research Management, technology transfer	13
Tropical	Africa (Sub-Sahara)	Mechanized/commercial farming4 Integrated weed management..... ..1 Agro based export development..... ..4	
Temperate	New Zealand	Vegetable varieties/plug technology Greenhouse/Disease Management	20
TOTAL PUBLICATIONS:			47