

# CURRICULUM VITAE

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**DATE OF BIRTH:** 21 April 1944

**MARITAL STATUS:** Married with 4 adult children

**NATIONALITY:** Australian at Birth and Current

## PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS:

**Queensland Diploma of Horticulture (Hons.) Queensland  
 Agricultural College, 1961**  
**B. Agr. Sc., University of Queensland, 1964**  
**M. Agr. Sc., University of Queensland, 1968**

## LANGUAGES AND PROFICIENCY:

English: native language – excellent  
 Thai: basic spoken – fair/slight  
 Indonesian: basic spoken – fair/slight

## FIELDS OF SPECIAL INTERNATIONAL EXPERTISE AND COMPETENCE:

1. Industrial including Bio-fuel Crops and Policies, Horticultural Tropical, Sub-tropical & Temperate Crops Development, Research, Extension, Training and Farming. Experience with crop adaption to changed and marginal climates. (*Grew up on a fruit/vegetable farm in Queensland, Australia*).
2. Institutional Development in Horticultural/ Agricultural Research – Departments of Agriculture National Agricultural Research Programs; Universities – Teaching, Research, Curriculum Development, Post-graduate Supervision and Consulting. Research and Development Leadership, Research Master Plans, Programs and Priorities. Ag Research Projects/Programs and Proposals evaluations. Crop Adaption to adverse Climatic and AEZ stresses.
3. Agricultural Technology Vocational Education in developing countries.
4. Sustainable Farming and Cropping Systems, Uplands, Highlands and Lowlands of Asia/Pacific.
5. Research/Extension Planning and Management Systems, Methodologies and Linkages.
6. Team Leadership in Project/ Feasibility/ Design/ Development/ Implementation/ Management.
7. Drip Irrigation Research, Management & Technology. Coconut and coffee processing specialties.
8. Agriculture/Industrial Crop Horticulture Sector Studies & Appraisals of Projects and Reports.
9. Horticultural and Industrial Crop Development Systems, Post Harvest Systems & Agro-Processing Systems & Marketing Systems for Humid and Arid Tropical/Subtropical and Temperate Climates.
10. Rural Development Projects – Land Use Planning; Assessing Cropping Potential, Food Security
11. Agribusiness, Design, Feasibility, Appraisal /Management of Hort/Industrial Crop Enterprises.
12. Agricultural Strategic Master Research and Development Plans preparation: Agro-forestry Farming Systems Development in Asia and Natural Resources evaluation, management and conservation. Agriculture and Food Security Development Strategies and Master Plans.

(As of 2016, 22 years experience in Horticulture/Agriculture Crop Research, Development and Extension in Australia and approximately 34 years Long Term and Short Term International experience, including 19 years as a self-employed international consultant in Horticulture/Industrial/Agriculture farm systems).

**Current Position:** Self-employed International Agriculture Consultant/Adviser

**Crop Experience:** Tropical, Sub-tropical & Temperate fruit and various Tropical & Temperate Vegetables, Industrial, Bio-fuel Crops, Field and Fodder Crops, Integrated livestock and paddy rice and upland rice farming systems in Asia and Pacific.

## RELEVANT PROFESSIONAL EXPERIENCE/EMPLOYMENT HISTORY:

**2016 CAMBODIA FINAL REVIEW OF ACIAR PROJECT HORT/2016/159-BUILDING A RESILIENT MANGO INDUSTRY IN CAMBODIA AND AUSTRALIA THROUGH IMPROVED PRODUCTION AND SUPPLY CHAIN PRACTICES**

**International Consultant/Adviser:** Undertook a Final Review of the ACIAR PROJECT HORT/2016/159-Building a Resilient Mango Industry in Cambodia and Australia through Improved Production and Supply Chain Practices for ACIAR, Canberra, Australia. 12 days.

**2016 TONGA REVIEW OF THE TONGA AGRICULTURE SECTOR PLAN FOR SECRETARIAT OF THE PACIFIC COMMUNITY/WORLD BANK**

**International Consultant/Adviser:** Undertook a Review of the Tonga Agriculture Sector Plan for Secretariat of the Pacific Community (SPC) and World Bank to seek qualification for funding from the World Bank administered Global Agriculture and Food Security Program (GAFSP) for Tonga. 10 days,

**2016 THAILAND PROVISION OF ADVICE AND ASSISTANCE TO THAILAND DEPARTMENT OF AGRICULTURE AND THE CONSERVATION AND DEVELOPMENT OF COCONUT OIL OF THAILAND (CDCOT) FORUM.**

**International Adviser:** Provided guidance and advice to Thailand DOA on Virgin Coconut Oil and coffee and assisted with follow-up planning for the Second ICCO (International Conference on Coconut Oil) to be held in Thailand in March/April 2017. Provided advice to farmer groups in South Thailand, on processing and quality control of Robusta coffee. Additionally provided advice and guidance to setting up high quality Virgin Coconut Oil production and downstream products in Viet Nam.

**2015 THAILAND PROVISION OF ADVICE AND ASSISTANCE TO THAILAND DEPARTMENT OF AGRICULTURE.**

**International Adviser to Thailand Department of Agriculture:** Provided guidance and advice to Thailand DOA on follow-up to the ICCO conference below. Edited papers from ICCO conference and Durian and Tropical Fruits Conferences. Provided advice to the ASEAN Coffee Group on Good Agricultural Practices Guide for the ASEAN Region.

**2015 THAILAND PROVISION OF ADVICE AND ASSISTANCE TO THE ORGANISATION AND CONDUCT OF THE FIRST INTERNATIONAL CONFERENCE ON COCONUT OIL (ICCO) IN THAILAND MARCH 2015 AND THE DURIAN AND TROPICAL FRUITS CONFERENCE IN THAILAND JUNE 2015.**

**Member of the Organising and Scientific Committees of both conferences.** Helped develop the International Strategic Action Plan for Coconut. Oil and in addition assisted the Asian Pacific Coconut Community and the University of Queensland with proposals and funding to assist cloning of coconut and Borgia Coconut Syndrome diagnosis. Edited proceedings of the ICCO. 28 days.

**2014 VIET NAM COLLABORATIVE STUDY ON COFFEE REJUVENATION IN VIETNAM**

**International Coffee Specialist:** Reviewed coffee rejuvenation strategies currently applied in Viet Nam and provided recommendations of a menu of viable rejuvenation strategies. FAO for World Bank Viet Nam Sustainable Agriculture Transformation Project. 28 days.

**2013 KUWAIT INVESTMENT STRATEGY IN MAJOR FOOD COMMODITIES & KUWAIT MASTER PLAN OUTLINE**

**International Specialist Agronomist:** Undertook the assessment of the Natural Resource Base (Climate, Soils, Water) and the current agricultural crop production in Kuwait as part of the Food Security Strategy component. Stewart Routledge Associates Limited, Dubai. 21 days.

**2013 MID TERM REVIEW OF ACIAR AUSTRALIA-PAKISTAN SECTOR LINKAGES PAKISTAN PROGRAM PHASE II.**

**International Specialist:** Undertook the Mid Term Review of the ASLP II Program for ACIAR, which involved research, development extension and training in projects involving, mango, citrus, social research and dairy industries in Pakistan and Australia. 18 days.

**2012 FIJI FINAL REVIEW OF ACIAR PROJECT PC/2008/003 STRENGTHENING THE FIJI PAPAYA INDUSTRY THROUGH APPLIED RESEARCH AND INFORMATION DISSEMINATION**

**International Specialist/Team Leader:** Undertook the Final review of the successful ACIAR Papaya project in Fiji and North Queensland, Australia with Stephen Hazelman from Samoa, as the Pacific representative reviewer. The primary aim of the project was to substantially increase the contribution of papaya fruit to fruit and vegetable exports and improve livelihoods of people in western Viti Levu, Fiji. 12 days.

**2012**                    **AGRICULTURE DEVELOPMENT STRATEGY FOR NEPAL**  
**NEPAL**                    **ADB PPTA TA-7762 NEP**

**International Agriculture Specialist:** Preparation of Agriculture Development Strategy for Nepal-ADB TA-7762 NEP PPTA. Supervised the inputs of Specialist consultants on Field Crops, Horticulture and Industrial Crops, Livestock, Fisheries, Rangelands, Land Use, and Research and Extension with contributions to Agribusiness, Conservation and Climate change and adaption, on the *seventh* input Prepared the combined Agriculture Sector Strategic Action Plan and Road Map Report for Nepal. 0.75 months.

**2012**                    **AGRICULTURE DEVELOPMENT STRATEGY FOR NEPAL**  
**NEPAL**                    **ADB PPTA TA-7762 NEP**

**International Agriculture Specialist:** Preparation of Agriculture Development Strategy for Nepal-ADB TA-7762 NEP PPTA. Supervised the inputs of Specialist consultants on Field Crops, Horticulture and Industrial Crops, Livestock, Fisheries, Rangelands, Land Use, and Research and Extension with contributions to Agribusiness, Conservation and Climate change adaption, during the *sixth of seven* of inputs. Prepared the Policy and Strategy Options Report for the Agriculture Sector of Nepal. 0.75 months.

**2011**                    **FINAL REVIEW OF ACIAR PHILIPPINES FRUIT AND VEGETABLE**  
**PHILIPPINES**        **PROGRAM AND THE COMPONENT PROJECTS HORT/2007/0066 –**  
**VEGETABLES AND HORT/2007/067-FRUIT**

**International Specialist/Team Leader.** Undertook a review of the successful ACIAR Fruit and Vegetable 4 year Programs, which involved a wide range of components from supply chains and marketing to, pest and disease control, post harvest aspects, protected cultivation and soil management and nutrition, in the Central and Southern Philippines. The project was designed to improve livelihoods and alleviate poverty via competitive marketing in the Philippines and for exports in the case of selected fruits. Recommendations were given for concluding stages of the project and for a second phase. 1 month.

**2011**                    **REVIEW OF ACIAR PARDI PROJECT PC/2008/04 –PACIFIC**  
**FIJI**                        **AGRIBUSINESS RESEARCH FOR DEVELOPMENT INITIATIVE**

**International Agriculture Specialist/Team Leader:** Undertook a review of the ACIAR PARDI project which involves Agribusiness/Supply Chains and Value-chain analyses, marine, forestry, crops and capacity building components aimed at improvement in livelihoods, competitiveness and poverty alleviation of Pacific islanders. Review done for the Australian Centre for International Agricultural Research (ACIAR) and recommendations given for re-formulation, implementation modality and management changes required. 11 days.

**2011**                    **AGRICULTURE DEVELOPMENT STRATEGY FOR NEPAL**  
**NEPAL**                    **ADB PPTA TA-7762 NEP**

**International Agriculture Specialist:** Preparation of Agriculture Development Strategy for Nepal-ADB TA-7762 NEP PPTA. Supervised the inputs of Specialist consultants on Field Crops, Horticulture and Industrial Crops, Livestock, Fisheries, Rangelands, Land Use, Food Security and Research and Extension on the *second and third* of 4 missions involving Assessment and Vision for the Strategy on the PPTA assignment and preparation of the Inception Report. 1.0 month.

**2011**                    **AGRICULTURE DEVELOPMENT STRATEGY FOR NEPAL**  
**NEPAL**                    **ADB PPTA TA-7762 NEP**

**International Agriculture Specialist:** Preparation of Agriculture Development Strategy for Nepal-ADB TA-7762 NEP PPTA. Supervised the inputs of Specialist consultants on Field Crops, Horticulture and Industrial Crops, Livestock, Fisheries, Rangelands, Land Use, Food Security and Research and Extension on the *first* of 6 missions on the PPTA assignment in preparation for the Inception Report. 0.9 month.

**2010**                    **OMAN FOOD SECURITY STRATEGY PROJECT FOR**  
**OMAN**                    **SULTANATE OF OMAN MINISTRY OF COMMERCE AND INDUSTRY**

**International Agriculture and Natural Resources Specialist:** Undertake a complete assessment of the Natural Resources Capabilities of Oman and prospect for local production of all agricultural and horticultural crops and fodder and help prepare a Food Security Strategy and Master Plan for Oman for 2011-2020. GRM International Pty Ltd Australia. 5.5 months.

**2009**                    **DETERMINE POTENTIALLY SUCCESSFUL HORTICULTURAL GAMBIA**  
**AND INDUSTRIAL CROPS FOR THE GAMBIA FOR THE WORLD**  
**BANK GROWTH AND COMPETIVENESS PROJECT**

**International Agronomist:** With a Supply Chain Specialist undertook a study of The Gambia Agroecological Zones (AEZ), including climate, water supplies and soils to determine likely commercially

successful horticultural and industrial crops to develop for export and import substitution to alleviate poverty and promote food security. Identified all potential uses for the crops, plus AEZ and technical constraints and opportunities for development, as well as identification of socio-economic criteria required for success. Global Development Solutions LLC. USA. 0.6 months.

**2009** **REVIEW OF COFFEE R&D PROJECTS IN HIGHLANDS OF PAPUA**  
**PNG** **NEW GUINEA FOR AUSTRALIAN CENTRE FOR INTERNATIONAL**  
**AGRICULTURAL RESEARCH (ACIAR)**

**International Reviewer:** Undertook a final review of three ACIAR PNG Arabica coffee projects viz. ASEM/2004/017 Assessment and improvement of quality management during post harvest processing and storage of coffee in Papua New Guinea, plus ASEM/2004/042 Assessing and Extending Schemes to Enhance the Profitability of the PNG Coffee Industry via Price Premiums for Quality and ASEM/2004/047 Sustainable management of coffee green scales in Papua New Guinea. 0.25 months

**2009** **ADB TA PRC - 4987 NATIONAL STRATEGY FOR SUSTAINABLE**  
**CHINA** **ENERGY CROPS DEVELOPMENT IN CHINA. Component B.**

**Preparing a National Strategy for Sustainable Energy Crops Development**

**Int. Agronomist:** Undertook a final input into the ADB Energy Crops Resources Assessment for preparation of the National Strategy and Roadmap for sustainable energy crops development in China. Updated current and future potential energy crops, particularly liquid bio-fuel crops, for development in relation to lands available that do not conflict with food crops. Participated in final stakeholder workshop for the project and the International Workshop on Sustainable Energy Crops and Biofuels in China and Asia. Cardno-ACIL for ADB. 0.25 months.

**2009** **RAPID APPRAISAL OF THE BIOENERGY-FOOD SECURITY NEXUS IN THE**  
**PACIFIC FOR FAO**

**International Agronomist /Bio-energy Specialist.** Undertook a rapid appraisal of the bio-energy-food security nexus for the 14 Pacific Island countries, including selected missions to 6 countries. The aim of the appraisal was to identify up to 4 countries for further in-depth studies to show how to link national food security policy with energy and natural resources policies with beneficial outcomes for green house gas emission reduction without commensurate threats to food security and the natural resource base and environment. 2 months.

**2008** **SHORT-TERM MISSION ON AGROFORESTRY AND HORTICULTURE /**  
**PHILIPPINES** **INDUSTRIAL CROPS FOR ENVIRONMENT AND RURAL DEVELOPMENT**  
**PROGRAM (ENRDP), PHILIPPINES COMMUNITY BASED FOREST**  
**MANAGEMENT (CBFM) COMPONENT FUNDED BY GTZ AND KFW-FOR**  
**DFS GERMANY**

**International Team Leader/Horticulturist/Industrial Crops Specialist.** Undertook a mission with a team of four (4) specialists to define commercial perennial crop agro-forestry species and enterprises for replacement of annual cropping on sloping degraded lands of Leyte, Negros and Panay of the Western Visayas of the Philippines. Compiled crop assessment summaries and cost/benefits and recommended prospects for successful development in the various existing farm systems. 1 month.

**2008** **INITIAL PORTFOLIO PROFILING OF CROPS/ ENTERPRISES WITH**  
**CAMBODIA** **MULTI-SECTORIAL PROSPECTS FOR SAMLUAT DISTRICT OF**  
**BATTAMBANG PROVINCE CAMBODIA**

**Int. Agronomist/Industrial Crops Specialist.** Defined potential crops/enterprises for development by smallholders in the district to improve livelihoods and incomes of poor communities. For Prosperity Initiative-Viet Nam. 1 week.

**2008** **INITIAL PORTFOLIO PROFILING OF CROPS/ ENTERPRISES WITH**  
**VIET NAM** **MULTI-SECTORIAL PROSPECTS FOR BEN TRE PROVINCE OF VIET NAM**

**Int. Agronomist/Industrial Crops Specialist.** Defined potential crops/enterprises for development by smallholders in the district to improve livelihoods and incomes of poor communities. For Prosperity Initiative – Viet Nam. 1 week.

**2008** **ADB TA PRC - 4987 NATIONAL STRATEGY FOR SUSTAINABLE**  
**CHINA** **ENERGY CROPS DEVELOPMENT IN CHINA. Component B**  
**Preparing a National Strategy for Sustainable Energy Crops Development.**

**Int. Agronomist** Undertake an Energy Crops Resources Assessment for preparation of the National Strategy and Roadmap for sustainable energy crops development in China. Assess current and future

potential energy crops, particularly liquid bio-fuel crops, for development in relation to lands available that do not conflict with food crops. Cardno-ACIL for ADB. 1.5 months.

**2008 LAO-PDR PROJECT DESIGN OF ADB PPTA AGRICULTURE AND NATURAL RESOURCES SECTOR NEEDS ASSESSMENT PROJECT PHASE II. FOR ADB**

**Int. Agronomist:** Review the agriculture, horticulture and industrial crops sectors of Lao, and with southern provinces discuss project priorities for development and assess each proposal to identify core sub-projects for funding and development with a \$20m ADB grant. Design and develop a core sub-project for commercialisation together with desired supporting TA. 2.5 months.

**2007 SRI LANKA PROJECT DESIGN MISSION OF ADB PPTA 4800 SRI AGRICULTURAL DEVELOPMENT PROJECT FOR ANZDEC NEW ZEALAND**

**Int. Horticulture Specialist:** Prepared the design of the horticulture, coffee, cocoa and coconut components of the ADB Agribusiness Development Project. 4months.

**2006-2007 REVIEWS OF ACIAR PROJECTS AND CARD PROPOSALS ON MANGO, CITRUS, PASSIONFRUIT, RAMBUTAN, COFFEE, COCOA, COCONUT AND AGRIBUSINESS DEVELOPMENT-Vietnam, Papua New Guinea, Indonesia, Philippines**

**Self Employed Int. Agricultural Consultant:** Reviewed a range of projects project proposals and reports for the Australian Centre of International Agricultural Research directly and via Hassalls International Australia and Centre for International Economics, Canberra. Ad Hoc over 4 months.

**2000-2006 EMPLOYED BY FAO REGIONAL OFFICE FOR ASIA AND THE PACIFIC BANGKOK THAILAND**

**Industrial Crops Officer:** Undertook design, sought funding and supervised implementation of industrial and horticultural crop projects, studies and feasibilities in Asia/Pacific region, worth in excess of USD 16.7 million. Crops included coffee, coconut, black pepper, rubber, oil palm, oil seeds, sweet sorghum, bio-fuels, tropical fruits, vegetables and flowers, medicinal and aromatic plants. (Project Details in Annex I, website).

**Undertook more than 70 field missions, as Team Leader, in Asia/Pacific developing countries, involving industrial and high value crop reviews, sector studies, project identification, project design, project feasibility studies, monitoring and evaluation, and implementation support.**

Developed key thematic work areas in the FAO Regional Strategic Framework to meet industrial crop needs and priorities of developing countries in the region and in particular smallholder farmers. Viz. Coffee Quality Improvement and Ochratoxin Prevention in Thailand, Vietnam, Myanmar and Lao, which is resulting in an increase of USD 160 million per year via value-added coffee; Virgin Coconut Oil Production which increases farm incomes by 6 to 10 times; Bio-fuel/Bio-energy multipurpose crop technology development for Asia/Pacific, including sweet sorghum which can increase farm returns by 4 to 6 fold; Interactive IT packages of Technology for High Value Crops; Matching Plants to Land; Sector and Feasibility Studies, and Project Formulation on Oil Palm including Cold tolerant Oil Palm; On-farm Black and White Pepper Production and Quality Improvement and Smallholder Marketing, which increases pepper prices by 20 to 25%; Bio-control of Coconut Hispid Beetle in six countries with consequent savings in lost production and tree death estimated at USD140 million per year.

Participated in rehabilitation of East Timor (Timor Leste) and helped design and operationalise their National Development Plan for the Agriculture Sector and coffee and coconut projects and small storage silos. Provided project development support to Tsunami areas of Asia. An integral part of the programme, on crop adaption to marginal and changed climates and lands and mitigation measures.

Participated in Task Forces on Industrial Crop/Horticultural/Food Crop and project design, in projects valued at over USD 60 million and provided advice to all member countries of FAO in Asia/Pacific as and when required.

Produced various publications, papers, manuals etc., and gave presentations to key international meetings on industrial and horticultural crops. (See separate Publications List on website).

**1991-2000 SELF EMPLOYED INTERNATIONAL CONSULTANT  
1999 PROJECT DESIGN MISSION OF ADB BANGLADESH NW BANGLADESH AGRICULTURAL DEVELOPMENT PROJECT FOR FAO/INVESTMENT CENTRE**

**Horticulture/Agronomist Consultant.** Defined what crops to grow where in the NW of Bangladesh, using simple crop models and GIS database. Developed a detailed implementation plan for the technical aspects

of the project, including development of crop models, marketing , equipment, training and consulting inputs required. 2 months

**1999 VIETNAM WORLD VISION CENTRAL VIETNAM (QUANG NAM - DA NANG) SLOPING AGRICULTURAL LAND TECHNOLOGY (SALT) PROJECT**

**Consultant/Adviser.** Provided advice and training on perennial tree crop production on the sloping lands of Central Vietnam. Provided practical advice on crop selection, cultivar selection, cultivar introduction and adaption, nursery establishment and management and field establishment including establishment and maintenance of contour hedges and grass strips. 0.5 months

**1998–99 THAILAND TROPICAL/SUB-TROPICAL FRUIT FARM DEVELOPMENT IN THAILAND and AUSTRALIA AUSTRALIA**

**Consultant/Farm Manager.** Managed and advised on the development of private fruit farms in Thailand and Australia. Provided practical advice and training on propagation, the selection of cultivars and the establishment and management of plantings of longan, lychee, mango, custard apple, avocado, citrus, low chill stonefruit, papaya and banana. Attended the International Pineapple and Mango Symposia in Thailand and was a keynote speaker at the Mango Symposium and summed up the complete proceedings of both symposia. Made visits to Thailand, Laos and Vietnam to perpetuate linkages for up-coming international consultancies. 9 months

**1998 MONGOLIA TECHNICAL PRE-FEASIBILITY STUDY OF THE PROCESSING OF MONGOLIA CROP PRODUCTS IN KHOVD AIMAG, UNDP/SPPD PROJECT NO. Mon/98/202/A/08/12-FOR FAO/RAP BANGKOK, THAILAND**

**International Consultant.** Undertook a Technical Pre-feasibility Study of the Processing of Crop Products in Khovd Aimag in Mongolia for FAO/RAP Bangkok, Thailand. Examined current crop production, processing and processing opportunities and identified a number of technically feasible potential pilot crop processing and passive storage projects for development in Khovd Aimag. 1 month

**1998 CHINA TRAINING AND RESOURCE PERSON INPUT ON THE FAO/TCP PROJECT TCP/CPR/6717(A) “PRODUCTION, POST-HARVEST HANDLING AND TREATMENT OF LITCHI AND LONGAN-GUIPING CHINA”. FOR FAO/RAP BANGKOK, THAILAND**

**Horticulture Consultant/Resource Person.** On-site in China, reviewed the current harvesting and post-harvest treatments for Litchi and Longan. Assisted in preparing and presenting a training programme on fruit harvesting, post-harvest treatment, processing, packaging, production and quality control for Litchi and Longan in Guiping region of China. Provided audio visual and training manual materials for on-site workshops. Supported other International Consultants and local staff on technical issues and equipment design. 10 days

**1998 EGYPT DESIGN OF A HORTICULTURE RESEARCH, DEVELOPMENT AND TRAINING FARM AND CROPPING PROGRAMME FOR KADCO COMPANY AT ABU SIMBEL IN EGYPT-GRM INTERNATIONAL PTY LTD BRISBANE, AUSTRALIA**

**Horticulture Development Specialist.** Designed a full Horticulture Research Development Training Farm facility for the Saudi Company KADCO in Abu Simbel Egypt, represented by Arthur Andersen Pty Ltd. Designed the layout of the 60 ha horticulture farm, with full plant, irrigation and machinery including packing houses, pre-cooling, cool stores, ripening rooms, laboratories, offices and training rooms and facilities, etc. Reviewed the potential crops and markets for the growing of a range of horticultural crops in association with wheat, cotton and other crops on a 40,000 ha desert area in the S.Valley being developed for irrigation from the Aswan High Dam, by the Egyptian Government. Recommended trial designs, crop cultivars and a full development programme for production. 3 weeks

**1998 AUSTRALIA TECHNICAL ASSESSMENT OF THREE LARGE MANGO PLANTATIONS IN THE NORTHERN TERRITORY AND QUEENSLAND FOR GRM INTERNATIONAL PTY LTD**

**Agribusiness Development Specialist.** Made a Technical Assessment of the production and post harvest management of three mango plantations, totaling 80,000 trees in the Northern Territory and Queensland. Identified problems and opportunities important in raising production to previous levels and beyond and

made recommendations on future management. Provided data for economic and financial analyses of the enterprise. 3 weeks

**1998**                    **STABILISATION OF SHIFTING AGRICULTURE PROJECT - FINAL**  
**LAO-PDR**                **PREPARATION REPORT T.A. ADB- FOR THE FAO INVESTMENT**  
**CENTRE**

**Horticulture and Industrial Crops Specialist.** Reviewed the prospects for horticulture and industrial crops development in the highlands of Houah Phanh and Luang Prabang provinces of Lao. Recommended what crops can be grown where in the highlands and advised on implementation strategy and methods for developing horticultural and industrial crops into the shifting cultivation upland rice based farming systems of the highlands. Provided examples of cropping models and costed the horticulture and industrial crops component. 1.5 months

**1997–1998**            **DATABASE DEVELOPMENT FOR USE IN REFINING ACIAR’S**  
**AUSTRALIA**            **REGIONAL COMMODITIES PRIORITIES-AGTRANS RESEARCH**

**Crop R&D Priority Specialist.** Assisted in the team design of a database to refine the Australian Centre for International Agricultural Research’s (ACIAR’S) regional commodities priorities in horticulture and some industrial and plantation crops. Helped define what crops will grow in given rainfed or irrigated agro-ecological zones, how to estimate technical spillovers from pre and post harvest research, assess research capability and capacity of strategic and applied research in different countries and assess level of adoption of research outputs in various countries. 1 month

**1997**                    **HORTICULTURE AGRIBUSINESS DEVELOPMENT PROJECT**  
**INDONESIA**            **T.A. 2709 -INO-ADB/DAI**

**Horticultural Specialist.** Defined Potential Fruit, Vegetable and Flower crops for Commercially Successful Development in Ten (10) Districts of Indonesia. Critically examined support systems for R&D&E and supply of planting materials and made recommendations for improvement. Helped establish linkages between agribusiness and small holders and assisted with project identification for Feasibility Studies and assisted with conduct of these Studies. Helped train and set-up Project Management Unit. 3 months

**1997**                    **VIETNAM—GERMANY SOCIAL FORESTRY DEVELOPMENT**  
**VIETNAM**                **PROJECT, SONG DA. MARD—GTZ/GFA AGRAR**

**Food/Tree Fruit Consultant.** Defined the technical options and strategies for developing a range of vegetable and fruit crops for different altitudes and agro-ecological zones in rice, maize, agroforestry farming systems of the Son La and Lai Chau Provinces of the Song Da River Watershed of N.W. Vietnam. Provided guidelines on inputs needed for agroforestry sub-tropical and temperate fruit crop development in the existing farming systems. Identified fruit cultivars for testing and development. 4 weeks

**1996**                    **FAO/RAPA BANGKOK THAILAND. TCP PROJECT PROPOSAL**  
**THAILAND**

**Post Harvest Management Specialist.** Prepared a Project document for an FAO/TCP Project entitled “Post Harvest Management Systems Training/Development Project for Temperate and Highland (Sub-Tropical) Fruits and highland Vegetables of Asia. Dec.1996. 1 week

**1995–1997**            **ASIAN DEVELOPMENT BANK, AGRICULTURE TECHNOLOGY**  
**INDONESIA**            **SCHOOLS PROJECT (AGRO II) FOR DHV/LANDELL MILLS CONSULTANTS**

**Plant Production Training Program Development Specialist.** Training trainers and teachers of Agricultural Technology Education in Indonesia; assisting with production units, technology transfer, facilities development, vocational analysis, curriculum development, instructional materials, staff development, model school organisation and development, linkages and dialogue with agribusiness and agriculture institutions. Crops worked with included rice, horticultural and industrial crops. 24 months total

**1995**                    **WORLD BANK AGRICULTURE RESEARCH PROJECT PHASE II**  
**PAKISTAN**                **SINDH AGRICULTURAL RESEARCH ORGANISATION FOR WINROCK**  
**INTERNATIONAL, ARKANSAS, USA**

**Team Leader (Acting) and Horticultural Research Specialist.** Acted as Project Team Leader for ARP-II and trained Sindh Hort. Res. Institute staff in research management, research methodology and preparation of technology transfer crop packages for extension staff and farmers. 1.5 months

**1995 USAID AGRIBUSINESS DEVELOPMENT PROJECT FOR  
INDONESIA DEVELOPMENT ALTERNATIVES INC. BETHESDA, USA**

**Team Leader and Horticulturist.** Reviewed the Passionfruit industry production and agroprocessing in Sulawesi and Sumatra in Indonesia, identified major constraints and opportunities and made recommendations on R&D and revitalising and diversifying the industry. 1.5 months

**1995 WORLD BANK AGRICULTURE RESEARCH PROJECT PHASE II  
PAKISTAN SINDH AGRICULTURAL RESEARCH ORGANISATION FOR  
WINROCK INTERNATIONAL, ARKANSAS, USA**

**Research Program Specialist.** Leader of a three man team which prepared the complete Sindh Agricultural Research Master Plan for the province-2 months. The work involved a complete review of all R&D programmes on rice, wheat, field crops, industrial and horticultural crops for Sindh province, and a development of R&D priorities for all commodities.

**1994 WORLD BANK AGRICULTURE RESEARCH PROJECT PHASE II  
PAKISTAN SINDH AGRICULTURAL RESEARCH ORGANISATION FOR WINROCK  
INTERNATIONAL, ARKANSAS, USA.**

**Tropical Fruits Specialist.** Prepared the Provincial Research Master Plan for Horticulture in Sindh. Trained staff in the Sindh Agricultural Research Organisation in preparation of Provincial Research Master Plans, and Crop R&D Program Planning for all commodities, including horticultural crops. 4 months

**1994 AIDAB NIUE LIME FRUIT REHABILITATION PROJECT FOR GRM  
NIUE INTERNATIONAL PTY LTD BRISBANE AUSTRALIA**

**Team Leader/Horticulture Adviser.** Prepared with the Agricultural Economist/Marketing Adviser a Marketing Study and Financial/Economic Feasibility on the Niue Lime Fruit Rehabilitation Project. 1 month

**1994 WORLD BANK AGRICULTURE RESEARCH PROJECT PHASE II  
PAKISTAN NORTH WEST FRONTIER PROVINCE AGRIC. UNIV. PESHAWAR  
FOR OPCV LTD MELBOURNE VICTORIA AUSTRALIA**

**Principal Horticulture Consultant.** Research Program Development. Conducted training workshops on Crop R&D Program Development and Research Systems Management. Assisted in the development of a Provincial Research Master Plan and addressed problems in Research Methodology in fruit, vegetables and floriculture. 1.5 months

**1994 TREE FRUITS FOR THE LOWER NORTH OF THAILAND - THAI  
THAILAND AUSTRALIAN AGRICULTURAL EXTENSION PROJECT-AIDAB FOR  
ACIL AUSTRALIA PTY LTD MELBOURNE AUSTRALIA**

**Horticulture Consultant.** Identified Key Tree Fruits, plus industrial crops that can be successfully grown in Thailand's Lower North paddy and upland rice based farming systems and provided the Methodology for Crop and Site selection. Compiled Tree Fruit Field Guides for the production of 10 Key fruits selected for extension, along with a Field Guide on the Do's and Don'ts involved in the promotion and extension of tree fruits. 0.75 months

**NIUE PREPARATION OF PROJECT IMPLEMENTATION DOCUMENT  
1994 FOR AIDAB NIUE LIME FRUIT REHABILITATION PROJECT FOR  
GRM INTERNATIONAL PTY LTD BRISBANE AUSTRALIA**

**Team Leader.** In conjunction with the Agricultural Economist/ Marketing Specialist, the Entomology Adviser and Post-Harvest Management Specialist prepared the Project Implementation Document for AIDAB. 1.1 months

**1993 HORTICULTURE RESEARCH OVERVIEW OF THE WORLD BANK  
PAKISTAN AGRICULTURE RESEARCH REPORT PHASE-II, NORTHWEST  
FRONTIER PROVINCE, AGRICULTURAL UNIV OF PESHAWAR,  
PAKISTAN FOR OPCV LTD MELBOURNE VIC, AUSTRALIA**

**Principal Horticulture Consultant.** Reviewed the Institutional Strengthening and Technical Input needs of Horticultural Industries in NWFP of Pakistan. Determined Priority Crops and helped develop Priority R & D Programs. Began the development of a Model to link together farmer's needs, Farming Systems Research and Extension with Research Planning and Management including prioritising programs and projects, project tracking, financial management and M & E at the Provincial level. Adapted the Horticulture R & D Model for other commodities (including rice, field crops, wheat and industrial crops)



and disciplines in the Province. Assisted in up-grading Research Methodologies within the Province. All Provincial research is coordinated by the Agricultural University of Peshawar. 0.5 months

**1993  
NIUE PREPARATION OF PROJECT PROPOSAL FOR AIDAB NIUE  
LIME FRUIT REHABILITATION PROJECT FOR GRM  
INTERNATIONAL PTY LTD BRISBANE AUSTRALIA**

**Team Leader.** Preparation of successful Project Proposal for AIDAB Niue Lime Fruit Re-habitation Project including Approach and Methodology, Work Plan and Staff schedules etc. 0.5 months

**1993  
LAO-PDR FOLLOW-UP MISSION REPORT-TREE FRUIT CROPS FOR  
THE HIGHLANDS OF LAO PDR -UNDP/OPS XIENG KHOUANG  
AGRICULTURE DEVELOPMENT PROJECT FOR UNDP/OPS**

**Horticultural Adviser.** Defined which crops will grow where in the Highlands of Xieng Khouang Province and provided the Methodology for site and crop selection, development and extension of tree fruits in the upland rice based farming systems. 1.1 months

**1993  
INDONESIA FACT FINDING MISSION - EVALUATION OF FEASIBILITY STUDY  
ON PINEAPPLE PRODUCTION AND PROCESSING, BINTAN ISLAND  
ASIAN DEVELOPMENT BANK**

**Horticulturist.** Technically evaluated the Feasibility Study on pineapple production and processing and examined the World market prospects for pineapple and the relative competitiveness of likely major competitors in Thailand and Philippines. Advised on waste product disposal, the Environmental Impact Study and field plantation management. 0.75 months

**1993  
THAILAND PERENNIAL TREE FRUITS FOR HIGHLAND THAILAND - THAI  
AUSTRALIA HIGHLAND AGRICULTURE SOCIAL DEVELOPMENT  
PROJECT - AIDAB-FOR AACM PTY LTD ADELAIDE SOUTH  
AUSTRALIA**

**Horticulture Adviser.** Identified perennial tree fruits that can be successfully grown in Thailand's Highland upland rice farming systems and the methodology for crop and site selection. Provided Tree Fruit Field Guides for the production of 8 fruits selected for extension along with training of Field Extension Staff in crop production. 1 month

**1992  
LAO-PDR LAO UPLAND AGRICULTURE DEVELOPMENT PROJECT -  
AIDAB/WORLD BANK FOR ACIL AUSTRALIA PTY LTD**

**Research Adviser.** Advised on Upland agriculture farming and cropping systems and planning and implementing of on-station and on- farm research and demonstrations. Developed research programming systems and identified the linkages between farmers and rice based upland and paddy farming systems, community based extension, individual crop research, the research management and approval systems and the National Agriculture and Forestry Master Plan. Upgraded Regional Information Systems with relevant publications in English and Thai/Lao, and identified tree fruits for development along with the key cultivars for introduction. Promoted the use of grass strips to protect slash/burn sloping upland rice areas. 3 months

**1992  
SRI LANKA TREE FRUIT PRODUCTION FOR THE DIVERSIFIED AGRICULTURE  
RESEARCH PROJECT - USAID FOR DAI, BETHESDA, USA**

**Horticulture Adviser.** Provided advice on Tropical tree fruits suited to different regions and different farming systems of Sri Lanka along with plans for their propagation and evaluation on a National scale. Defined training programs in nursery propagation and management. 1.5 months

**1992  
LAO-PDR TROPICAL FRUIT PRODUCTION ACTIVITIES, CONSTRAINTS AND  
PROSPECTS FOR LAO-PDR - OVERVIEW FOR ACIAR AUSTRALIA**

**Horticulture Consultant:** Compiled an Overview of Lao's Tropical Fruit industries for ACIAR to identify areas for future research & development cooperation in Lao. Assisted with the compilation of the first Agriculture Research Master Plan for Lao PDR. 1 month

**1991  
AUSTRALIA PRINCIPAL RESEARCH SCIENTIST - QUEENSLAND DEPARTMENT  
OF PRIMARY INDUSTRIES**

**Seconded to Consultancies and Business Development Branch at Nambour from Maroochy Horticultural Research Station, Nambour, Queensland. Duties** included Consultancy Business development and training until resignation in July 1991. 2 months

**1990–1991 VIETNAM PRODUCTION OF PINEAPPLE ON ACID SULPHATE SOILS, PROCESSING AND WASTE UTILIZATION PROJECT UNDP/FAO VIE/86/004 SOUTH VIETNAM**

**Team Leader/Chief Technical Adviser.** Implemented Project to produce and process pineapple on Acid Sulfate Soils of Ho Chi Minh City and Mekong Delta. Provided technical advice and staff training on production and research and supervised adviser inputs on Mechanisation, Processing, Weed Control, Soil Management and Pest and Disease Control. 11 months

**1988–1990 THAILAND ACNARP PROJECT DEPARTMENT OF AGRICULTURE THAILAND AIDAB/IFAD/WORLD BANK FOR W.A. DEPT. AGRICULTURE, AUSTRALIA**

**Horticulture Research Adviser.** Advised on Development of all the Horticulture Research Institute's Research Management Systems at the National and Regional levels and Research Planning and Methodologies throughout Thailand. Crops included horticultural and industrial crops grown in a wide range of farming systems. Trained staff in Regional Centres and Bangkok in the above areas and in Research Thinking, Design, Analysis and Interpretation of Tree Crop Experiments, Irrigation Technology and Design, Monitoring and Reporting Systems, Resource and Personnel management. **Administered ACNARP'S University Research Grants Program and was Visiting Professor of Horticulture at Kasetsart University, Bangkok and Joint Supervisor of three Post-Graduate Students.**

(Seconded to West Australian Department of Agriculture from Queensland Department of Primary Industries.)—2.4 years.

**1988–1990 SHORT TERM CONSULTANCIES UNDERTAKEN IN THAILAND AND VIETNAM, ON LEAVE FROM THE ACNARP PROJECT:**

**1988 VIETNAM HANOI FRUIT AND VEGETABLE PRODUCTION PROJECT VIE/80/005-UNDP/FAO FOR FAO**

**Horticulture Consultant.** Final input - training in management of Citrus Nurseries and Production of Lychee, Papaya and Guava. Reviewed the Project for UNDP. Provided Recommendations on linking the Project to a National Project on Lychee and Citrus Propagation, Nursery Management and Production-Vie/86/005 - UNDP/FAO. 1 month

**1988–1990 THAILAND FIVE (5) FOLLOW-UP CONSULTANCY VISITS TO THAI-AUSTRALIA PRINCE OF SONGKLA UNIVERSITY PROJECT, HATYAI THAILAND -AIDAB FOR UNIV OF QLD**

**Horticulture Fruit Crops Research Adviser.** Developed Fruit Crops Research in the Department of Plant Science including: Training, assistance with Curriculum Development, Development of Field Trials Research Program and Development of two Research Farms. Assisted in the establishment of Tree Crops Research Institute within the Faculty of Natural Resources. Several visits made over a period of 1986-1990. 5 months

**1989 VIETNAM LYCHEE AND CITRUS PROPAGATION, NURSERY MANAGEMENT AND PRODUCTION PROJECT-UNDP/FAOVIE/86/005, FOR FAO**

**Horticulture Consultant.** Advised on the setting-up of Lychee and Citrus Nurseries and Screen Houses for holding disease-free Citrus plants as nucleus mother stock and location of Nurseries and Mother Tree Orchards. Trained project staff in Lychee and Citrus Propagation and Nursery Management and Production. 1 month

**1990 VIETNAM PRODUCTION OF PINEAPPLE ON ACID SULPHATE SOILS, PROCESSING AND WASTE UTILIZATION-UNDP/FAO VIE/86/004, FOR FAO**

**Horticulture Consultant.** Undertook an overview of the Project prior to taking up the Chief Technical Adviser position. 0.25 months

**1984–1988 LIST OF 17 CONSULTANCIES UNDERTAKEN ON BEHALF OF QUEENSLAND DEPARTMENT OF PRIMARY INDUSTRIES FOR AIDAB AND UNDP/FAO:**

- 1) Participation in Tree Crops and Soil Section of the **Livestock and Agricultural Project Feasibility, Design and Management Study at Uthal Bela, Baluchistan Pakistan** for G.R.M. International Pty. Ltd., Brisbane for the National Logistics Cell, **Pakistan** - May 1984. 25 days-1.5 months

- 2) Follow up visit to **Sugarcane Research Institute of Sri Lanka** to assist with further Institute development and advised on research/extension and regulatory programs on behalf of ADAB - Oct/Nov 1984. 0.75 months
- 3) Follow up visit to **Sugarcane Research Institute for Sri Lanka** to assist with Institute development and advised on proposed research/extension and regulatory programs, training and funding, on behalf of AIDAB - Oct/Nov 1985. 0.75 months
- 4) **Horticultural Sector Study of Seychelle Islands** for ADAB - Nov/Dec 1985. 0.1 month
- 5) **Tropical Fruit Sector Study of Mauritius** for ADAB - Dec 1985. 0.75 months
- 6) Tropical Fruits Curriculum and Experimental Research Training and Orchard Development at the **Thai-Australia Prince of Songkla University Project (TAPSUP)** at Hatyai, **Thailand** managed by the University of Qld, funded by ADAB - April 1986. 0.5 months
- 7) **Royal Highland Projects of Thailand** - Consulted on horticulture crop management, research needs, development, problem identification and technical assistance inputs in upland rice based farming systems for Kasetsart University and Dept. of Agriculture Royal Project Offices -April 1986. 0.5 months
- 8) **UNDP/FAO Horticulture Project Vie/80/005, Hanoi, Vietnam,** - Consulting on fruits (tropical, sub-tropical and temperate) for Vietnam - May 1986. 0.5 months
- 9) **ACNARP Project, Dept. of Agriculture, Thailand.** Consulting on Development of Horticulture Research programs on Tree Fruit crops within the Horticultural Research Institute for West Australian Dept. of Agriculture, managing agents for AIDAB - August 1986. 1 month
- 10) Follow up on **TAPSUP Project** consulting at Hatyai, **Thailand** on Research Program Development - August 1986. 0.25 months
- 11) Consulting for the **Nusa Tenggara Timor Integrated Area Development Project in West Timor, Indonesia** on tree crops for development, for ACIL, Australia Ltd., managing agents for AIDAB - Nov/Dec 1986. 1 month
- 12) Follow up visit to **TAPSUP Project** consulting at Hatyai, **Thailand** on curriculum development, orchard establishment and research on tropical fruits – for Univ. of Qld. March 1987. 0.75 months
- 13) Follow up visit to **ACNARP Project, Thailand** on staff and facilities at regional Horticultural Research Centres, for W.A. Dept. of Agriculture, Australia. - AIDAB- April 1987. 0.5 months
- 14) Follow up visit to **UNDP/FAO Horticulture Project Vie/80/005 to Hanoi, Vietnam** on tree fruit nursery establishment and propagation - May 1987. 0.5 months
- 15) Compilation of preparatory Assistance Technical Report and Project Document for **Vie/86/005 Project Development of Citrus and Lychee Production in Vietnam,** for UNDP - June/July 1987. 1.0 months
- 16) Follow up visit to **TAPSUP Project, Hatyai, Thailand** on orchard management and research on tropical fruits - for Univ. of Queensland. September 1987. 1.0 months
- 17) Follow up training visit to **ACNARP Project,** 3 workshops run with Mr D.Mayer and **Thai** DOA staff on - Design, Layout and Analysis of Tree Crop Experiments - for WA Dept of Agriculture, Australia- AIDAB- October 1987. 1 month

**1984–1988**            **SENIOR RESEARCH SCIENTIST DEPT PRIMARY INDUSTRIES**  
**AUSTRALIA**        **(QDPI) MAROOCHY HORT. RESEARCH STATION, NAMBOUR, QLD**  
**AND ON LOAN TO OVERSEAS DEVELOPMENT SECTION**  
**QDPI. BRISBANE**

**Executed** the above 17 Consultancies for QDPI and conducted Research on: Design of Macadamia plantations, tree size, planting density and relating yield to tree size; Investigation of Mango research needs involving yield, and water requirements; Citrus, Cashew and Durian, jointly with Thailand; Grape Production in the Tropics-reviewed research needs; Developing Guidelines on how to assess the Horticultural Resource Potential of Queensland; Avocado water losses from inflorescences; Design of a Mechanical Harvester for Pineapple. Participated in National Germplasm Repository Submissions on Fruits and Vegetables for Standing Committee on Agriculture – **Annual lectures** on tropical fruits to University of Queensland students. 5 years

**1982–1983 SRI LANKA FOUNDING DIRECTOR / ADVISER OF THE SUGARCANE RESEARCH INSTITUTE OF SRI LANKA; ON SECONDMENT TO AUSTRALIAN DEVELOPMENT ASSISTANCE BUREAU FROM QDPI**

Set-up the complete new Institute including all aspects of the research, extension and regulatory functions as well as developing a Corporate Plan and the Administration, Training, Information Systems Management and Funding of the Institute. 2 years

**1974–1981 AUSTRALIA SENIOR RESEARCH SCIENTIST / RESEARCH LEADER -QDPI, MAROOCHY HORTICULTURAL RESEARCH STATION, NAMBOUR, QUEENSLAND**

During the years 1974-1981, acted as **Research Team Leader**, replanning the complete Research Program on 11 new crops and 4 major existing crops with staff of the Maroochy H.R.S. and laying the foundations for Maroochy's highly productive Research Team which has gained world-wide recognition. The research helped generated new crop industries worth now over \$800 million per year to Queensland. Personal Research on Tropical/Sub-Tropical Fruits included: Irrigation Research and scheduling; First definition of Boron Deficiency in Papaya; Development of Passionfruit Harvester; Crop development, cultivar selection and cropping manipulation in Guava; Review of Dieback in Papaya; Lychee cultivar evaluation and identification, plant manipulation and flowering studies; Pineapple water stress studies; Assessment of Horticultural Potential of S. Burnett Region; Propagation of papaya, lychee and guava; **Tropical Fruit Cultivar collecting in S.E. Asia and China**; Induction of nut drop in Macadamia. **Annual lectures** to University of Queensland students on tropical and sub-tropical fruits. 8 years

**1965–1974 AUSTRALIA DIVISION I / RESEARCH SCIENTIST (PLANT PHYSIOLOGIST) QDPI, GRANITE BELT HORTICULTURE RESEARCH STATION**

Research included; Studies on plant water relationships, yield responses and irrigation requirements of apples under low and high planting densities; Trickle irrigation of deciduous fruits and vines; Irrigation scheduling of Temperate Fruits; Development of a Weather Controlled Automatic Irrigation System based on Class A Pan Evaporation. Outcome of the research resulted in a five-fold increase of apple yields and completely weather controlled automated irrigation systems. Annual lectures to University of Queensland students on temperate fruit horticulture. 9 years

**PUBLICATIONS: Consultancy Reports – 88; Training publications – 59; Research publications –22; Extension publications – 70; Conference and Workshop papers – 32; Technical publications/ reports – 31, Technical Reviews of Projects/Proposals- approximately 24**

**COMPUTER LITERACY:** Competent in the use of a range of word processing, spread sheet, database, statistical, email and internet programs as well as standard office technical equipment and models for matching plants to land using minimal sets of climatic, soils and topographic data.

**REFEREES FOR K.R. CHAPMAN:**

- |                 |   |
|-----------------|---|
| Dr K.S. Fischer | Former Deputy Director-General, IRRI and IITA<br>10 Gilruth Ave<br>Kenmore 4069, QLD Australia<br>Phone: 61-7-33789961<br>Email: <a href="mailto:kenfischer@iinet.net.au">kenfischer@iinet.net.au</a>                     |
| Dr J. Schiller  | Adjunct Professor University of Queensland<br>“Kingshome”<br>312/190 Swann Road<br>Taringa 4068, QLD Australia<br>Home Phone/Fax: 61-7-3871 0387<br>Email: <a href="mailto:j.schiller@uq.edu.au">j.schiller@uq.edu.au</a> |
| Mr B. Gorddard  | International Agricultural Consultant<br>78 Loralyn Avenue<br>St Georges Basin<br>NSW 2540<br>Australia<br>Skype: bryan.gorddard1 Email: <a href="mailto:bgorddard@westnet.com.au">bgorddard@westnet.com.au</a>           |

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