
CURRICULUM VITAE

GEORGE FREDERIK (Frikkie) LIEBENBERG

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1 Contact Details

Work address: Department of Agricultural Economics, Extension and Rural Development, University of Pretoria, Private Bag X20, Hatfield, PRETORIA, South Africa

2 Qualifications in Brief

- PhD in Agricultural Economics, University of Pretoria in collaboration with Minnesota University. Title: *South African Agricultural Production, Productivity and Research Performance in the 20th Century*. 2013.
- MSc: International Agricultural Marketing, University of Newcastle-Upon-Tyne, UK; 1991
- MSc(Agric) Agricultural Economics, University of Pretoria; 1990. Title: Impact of Exchange Rates on South African Export Earnings (translated).
- BSc(Agric) Hons. Agricultural Economics, University of Pretoria, 1988
- BSc(Agric)Agricultural Economics: Agriculture, University of Pretoria; 1987

3 Experience in Brief

- Agricultural Trade & Marketing Policy Analysis with Dept of Agriculture, 1989 to 1994
- Agricultural Economics research at Elsenburg Agricultural Development Institute (now Western Cape Department of Agriculture, 1994 to 1997
- Research on Agricultural Technology Research Policy, project monitoring and evaluation and research management at Agricultural Research Council 1997 to October 2010
- Research on agricultural productivity and innovation, Department of Agricultural Economics, Extension and Rural Development, University of Pretoria, November 2010 to date.

4 Employment History

Institution	PERIOD	POSITION & EMPLOYER	RESPONSIBILITIES
University of Pretoria	November 2010 to date	Senior Lecturer/Researcher, LEVLO	<ul style="list-style-type: none"> • Study guidance to students • Productivity research • Conduct short consultancy studies on R&D funding and capacity development • R&D Impact Assessment
ARC	August 2003 – October 2010	Agricultural Economist; Institute for Agricultural Engineering, later stationed at Central Office, Pretoria	<ul style="list-style-type: none"> • Service contract to DOA on R&D investments • Assistance to Research Institutes on project planning, monitoring and evaluation • Principal Investigator on two ASTI Surveys and one AWARD survey for IFPRI-ISNAR. • Principal Investigator on IFPRI-University of Minnesota HarvestChoice program on FAO African Data Rescue Initiative. Funded by Gates Foundation • Mentorship of colleagues
	4/2001 to September 2003	Manager: Policy & Planning, Central Office, ARC	<ul style="list-style-type: none"> • Strategy planning facilitation • Research policy analysis & advice • Advisor to NARF Steering Committee until its establishment in May 2003 • Development & implementation of organizational performance evaluation for ARC • Trainer on Planning, Monitoring & Evaluation, ISNAR Training Workshops (co-editor of training manual & resource book).
	6/1999 – 3/2001	Transformation Secretariat, Central Office, ARC	<ul style="list-style-type: none"> • Coordinate & facilitate of ARC transformation planning and the implementation of corporate programs • Analysis & advice on stakeholder perceptions on ARC change initiatives • Monitor progress on transformation
	8/1997 - 5/1999	Senior Researcher, Development Impact Analysis Group, Agricultural Research Council (ARC)	<ul style="list-style-type: none"> • Project level Impact Assessment studies • Formulate proposals on ARC program management • Feasibility studies on spatial development initiatives • RSA representative on international study on the quality of IA indicators (UNIQAIM) • Served on various transformation planning working groups • Mentor 5 Professional Development candidates in the completion of their MSc degrees in Agric. Economics
Elsenburg & University of Stellenbosch	6/1995 - 6/1997	Principal Economist, Elsenburg Agricultural Development Institute, Western Cape.	<ul style="list-style-type: none"> • Develop WC Agricultural SAM • Research project planning, and M&E • Develop agricultural budget allocation formula for National and Provincial governments in 1994/95 • Lecture on Linear Programming at University of Stellenbosch
	3/1994 - 5/1995	Senior Researcher, Seconded by NDA to Agrifutura Project, Institute for Futures Research, Stellenbosch Univ.	<ul style="list-style-type: none"> • Futures research in support of strategic information services to agricultural decision makers • Lecture on Operational Research Methodology at the University
Department of Agricultural Economics and Marketing	4/1989 - 2/1994	Economist, Department of Agriculture, Directorate Marketing	<ul style="list-style-type: none"> • Marketing policy analysis & advice • Monitor multi-lateral (GATT, SACU) and bi-lateral trade agreements • Monitor Control Board marketing schemes • Research on trade control mechanisms • Lecturing on international agricultural trade policy at University of Pretoria • Train departmental staff in the use of micro computers • Seconded to Study at Univ. of Newcastle-Upon-Tyne (1990/91)
University of Pretoria	2/1988 - 4/1989	Research Assistant, University of Pretoria	<ul style="list-style-type: none"> • IO modelling • Student guidance
Part-time work	1983 - 1988	Driver, Hansa Brewery, Welthagen Farms	<ul style="list-style-type: none"> • Long distance driver during Summer Holidays • Farm maintenance over weekends and winter holidays
	1979 - 1983	J Coetzee, Osborne & Burger (Farmers: Vaalharts)	<ul style="list-style-type: none"> • Farmhand and general maintenance • Supervisor of contract harvesting and planting

5 Training and Development

YEAR	QUALIFICATION	CONTENTS	INSTITUTION
1987	BSc(Agric)Agricultural Economics: Agriculture.	<ul style="list-style-type: none"> Economics I-III Agricultural Economics II-IV Business Economics I-III Wide selection of biological science courses 	University of Pretoria
1989	Junior Management	<ul style="list-style-type: none"> Basic public service administration & management 	Public Service Commission
1990	MSc(Agric) Agricultural Economics	<ul style="list-style-type: none"> Production Economics Research Methodology Capital and Labour Management Econometrics International Agricultural Trade Policy International Economics Agricultural Marketing <p><u>Dissertation:</u> "Invloed van Wisselkoerse op die Uitvoerdiens van die RSA-Landbou." (Effect of exchange rates on the export revenue of the RSA Agriculture) Study leaders: Proff. JA Groenewald and FL Vivier</p>	University of Pretoria
1991	MSc: International Agricultural Marketing (Advanced course)	<ul style="list-style-type: none"> International Agricultural Marketing Policy Marketing Agricultural Development Marketing in LDCs <p><u>Dissertation:</u> "Instability in the Southern African Maize Market." Study leader: Prof. D Harvey</p>	University of Newcastle-Upon-Tyne, Great Britain
1992	Supervisor Course	Training Responsibility of the Supervisor	Public Service Commission
1995	Logframe Planning	<ul style="list-style-type: none"> Use of Logframe planning in project and programme planning 	Prof De Haase, Ghent University
1996	Impact Assessment	<ul style="list-style-type: none"> R&D evaluation and Impact Assessment Methodologies 	ISNAR & SACCAR
1999	Balanced Score Card Strategy Planning	<ul style="list-style-type: none"> Development of Score Card Identification of Activities Identification of Performance Indicators 	Renaissance Worldwide Inc.
2013	PhD in Agricultural Economics	<ul style="list-style-type: none"> Evaluate the performance of the RSA agricultural research system. Promoters: Professors Kirsten (UP) & P. Pardey (Minnesota, USA) Econometrics, Mathematical Optimization, Micro Economics, & Science & Technology Policy Analysis at M of U during Fall 2006 	Universities of Pretoria & Minnesota Funding: International Food Policy Research Institute

6 International recognition

- Serve as data collection specialist on Advisory Committee of the IFPRI-ASTI initiative from 2009 to 2012.
- Served as country “Focal Point” for the 2003, 2008 (AWARD) and 2009 ASTI country surveys and now again for the 2015 ASTI Survey.
- Research fellow of the International Science and Technology Practice and Policy (www.instepp.umn.edu), an institute of the Department of Applied Economics of the University of Minnesota, since 2006.
- Theme coordinator of the Data Rescue Initiative (www.harvestchoice.org/production/data_rescue) for the HarvestChoice program. First phase now complete and second phase commence in April 2012.
- Survey Coordinator on the on farm maize survey in Tanzania and Kenya as part of the Capacity and Action for Aflatoxin Reduction in Eastern Africa (CAAREA). Project is led by Livestock Research Institute in Nairobi, Kenya.

7 Training Experience & Short Courses

- 1989 Presented lectures on Bi-lateral and Multi-lateral trade mechanisms as part of the International Agricultural Trade Policy course at UP, which the Directorate of Marketing was then responsible for.
- 1995 and 1996 Presented the module on Linear Programming as part of the Operational Research Methodologies course at University of Stellenbosch
- 2002-3 Training workshops and in-country field work to develop capacity in surveying techniques and project-level M&E.
- 2003 Trainer on *Project Planning, Monitoring and Evaluation* training workshops presented by ISNAR in South Africa.
- 2010 Presented sections on project monitoring and evaluation of the CAAMP course on Project Planning and Management
- Served as co-study leader on 4 MSc studies since 1991
- Study Leader on 3 completed MSc studies and two Phd studies
- External Examiner on 2 MSc dissertations
- Since 2012 Lecture the LEK 832 module on Agricultural Science and Technology Policy Analysis presented via video-link in collaboration with the Dept of Applied Economics, University of Minnesota.
- Training of country collaborators of ASTI in the use of ASTI-type indicators in policy analysis and organizational monitoring and evaluation; February 2015 ASTI Training Workshops in Senegal and Uganda.

8 Publications

8.1 Journal Articles

- Liebenberg, G.F. & Groenewald, J.A. (1990) Die RSA-Landbouurilvoet. *Agrekon*. Vol. 29 (3).
- Liebenberg, G.F. Vivier, F.L. & Groenewald, J.A. (1991) Exchange Rate Depreciation and Costs of Agricultural Inputs in South Africa. *Agrekon*. Vol. 30 (1).
- Liebenberg, G.F. Vivier, F.L. & Groenewald, J.A. (1991) Research Note: Exchange Rates and South African Wool Prices. *Agrekon*. Vol. 30 (2).
- Liebenberg, G.F. & Van Schalkwyk, H.D. (1994) Floor Prices and the Free Market: An Alternative Approach. *Agrekon* Vol. 33(4): 252-256.
- Eckert, J.B., Liebenberg, G.F. & Troskie, D.P. (1997) Research Note: An Agricultural SAM for the Western Cape. *Development Southern Africa*. Vol. 14(2): 275-283.

- Eckert, J.B., Liebenberg, G.F. & Troskie, D.P. (1997) Commercial Agriculture in the Western Cape: Macro Economic Analysis with A Social Accounting Matrix. *Agrekon*. Vol 36(3): 302-324.
- Esterhuizen, JM & Liebenberg, GF. (2000) The Use of Indicators Within A Comprehensive Impact Assessment Approach in Three South African Research Programmes. *Agriculture Ecosystems & Environment*. Special Issue: Vol 87 (2).
- Liebenberg, F, & Pardey, P.G. (2011) South African agricultural R&D: Policies and public institutions, 1880-2007, *Agrekon*, Vol:50(1): 1-15.
- Liebenberg, F., Pardey, P.G. and Khan, M. (2011) South African agricultural R&D investments: Sources, structure, and trends, 1910–2007. *Agrekon* 50(2): 1-26.
- Liebenberg, F, & Pardey, P.G. (2012) A Long-run View of South African Agricultural Production and Productivity Developments. *African Journal of Agricultural and Resource Economics*. Vol: 7(1).
- Liebenberg, F, Kirsten, J., and P. Pardey, P. (2015) South African Agricultural Production Value and Quantity Indexes: 1910-2010. *Agrekon*. Vol. 54(#) (forthcoming).

8.2 Books and Chapters in Books

- Liebenberg, F., & Kirsten, J. (2003) Status of Agricultural Research and Development Policy in South Africa. In: *The Challenge of Change: Agriculture, Land, and the South African Economy*. (Eds. Lieb Nieuwoudt & Jan Groenewald). University of Natal Press: Pietermaritzburg.
- Anandajayasekeram, P., & Liebenberg, F. (2003) *Project Planning, Monitoring and Evaluation of Investments in Agricultural Research: Training Manual*. ISNAR: The Hague.
- Anandajayasekeram, P., Van Rooyen, C.J., & Liebenberg, F. (eds.) (2004) *Agricultural Project Planning & Analysis: A Resource Book*. University of Pretoria: Pretoria.
- Liebenberg, F., & J. Kirsten. (2006). South Africa: Coping With Structural Changes. In: *Agricultural R&D in the Developing World: Too Little, Too Late?* (Eds. P.G Pardey, J. Alston & R Piggott.). Washington D.C.: International Food Policy Research Institute.
- Anandajayasekeram, P., Rukuni, M, Keswani, CL., & Liebenberg, F. (eds.) (2007) *Impact of Science on African Agriculture: Lessons and Experience from Eastern and Southern Africa*. CABI.
- Liebenberg, F. and P.G. Pardey(2009). Changes in South African Agricultural Production and Productivity. In *The Shifting Patterns of Agricultural Production and Productivity Worldwide*. Eds. J.M. Alston, B. A. Babcock and P.G. Pardey. CARD-MATRIC Electronic Book. (Received the AARES 2010 Prize for Quality of Communication)
(http://www.card.iastate.edu/books/shifting_patterns/pdfs/shifting_patterns_book.pdf).
- Liebenberg, F. (2012) Chapter 14: South African Agricultural Production and Investment Patterns. In: *“Productivity Growth in Agriculture: An International Perspective,”* Editors: Keith Fuglie, Sun Ling Wang and V. Eldon Ball. Cambridge: CAB International

8.3 Bulletin Articles

- Spies, P.H. Liebenberg, G.F. & Laubscher, J. (1994) Six Key Issues in Agriculture. *Agri futura Bulletin* Vol. 1(1): 8-24.
- Liebenberg, G.F. & Kleynhans, T.E. (1994) Projections of Supply and Demand for 2000 and 2010. *Agri futura Bulletin*. Vol. 1(2): 18-40.
- Liebenberg, G.F. (1994) The Terms of Trade of Agriculture. *Agri futura Bulletin*. Vol. 1(2): 64-66.
- Liebenberg, G.F. & Uys, P.M. (1995) Agriculture, Forestry, Conservation and the use of Water.

Agrifutura Bulletin. Vol. 2(2): 36-42

- Liebenberg, G.F. (1995) The Devolution of Government Authority in Agriculture. *Agrifutura Bulletin*. Vol. 2(3): 19-31
- Liebenberg, G.F. (1995) The Exchange of Wheat and Maize With Oil: 1964-1994. *Agrifutura Bulletin*. Vol. 2(3): 32-34.
- Liebenberg, G.F. & Reid, G.W. (1995) The South African Poultry Industry. *Agrifutura Bulletin*. Vol. 2(4): 1-33.
- Liebenberg, G.F. (1995) The Competitiveness of South African Agriculture. *Agrifutura Bulletin*. Vol. 2(4): 34-49.
- Liebenberg, G.F. (1995) Trends in Grain Yield. *Agrifutura Bulletin*. Vol. 2(4):50-53.
- Liebenberg, F., N.M. Beintema, and J. Kirsten. (2003) *South Africa*. Agricultural Science and Technology Indicators Country Brief No. 14. Washington, D.C. and The Hague: IFPRI, ISNAR, and ARC.
- Flaherty, K., Liebenberg, F. and Kirsten, J. (2010) *South Africa*. ASTI Country Note No. December 2010. International Food Policy Research Institute, Washington, DC.
- Liebenberg, F. (2011) Staff Aging and Turnover in African Agricultural Research: A Case Study on the Agricultural Research Council and the Faculties of Natural and Agricultural Sciences and Veterinary Sciences of the University of Pretoria. Background paper prepared for the ASTI-FARA Conference on *Agricultural R&D: Investing in Africa's Future: Analyzing Trends, Challenges and Opportunities*. Accra, Ghana.
- Liebenberg, F. (2011) An Overview of Productivity and Research in South African Agriculture. *FSSA Journal*.

8.4 Popular Publications

- Liebenberg, G.F. & Van Schalkwyk, H.D. (1994) Floor Price Policy: A Free Market Alternative. Part 1. *Farmers Weekly*, No 84035.
- Liebenberg, G.F. & Van Schalkwyk, H.D. (1994) Floor Price Policy: A Free Market Alternative. Part 2. *Farmers Weekly*, No 84036.

8.5 Research and Consultancy Reports

- Van Zyl, J. & Liebenberg, G.F. (1989) *Inset-Uitset Tabelle vir die RSA-Landbou*. Study done for the Human Science Research Council.
- Liebenberg, G.F. Helm, W.E. & Van Zyl, J. (1990) *Aspekte van die Internasionale Koringmark*. Study done for the South African Wheat Board.
- Liebenberg, G.F. (1992) *Berekening van 'n faktor vir die aanpassing van tariewe in die Landbou Aanbod*. Internal research report. Directorate Marketing. Department of Agriculture: Pretoria.
- Liebenberg, G.F. (1993) *Floor Price Policy*. Internal report. Directorate Marketing, Dept of Agriculture: Pretoria. July 1993.
- Liebenberg, G.F. (1993) *The Elasticity of Supply and Demand of Agricultural Products*. Internal Report done for the Basson Committee. Directorate Marketing, Dept of Agriculture: Pretoria. August 1993.
- Van Schalkwyk, H.D., Van Zyl, J. & Liebenberg, G.F. (1993) *Effek van wisselkoers en internasionale faktore op die mededingendheid van Suid-Afrikaanse koringprodusente en die vasstelling van tariewe op koring*. Study done for the South African Wheat Board.
- Liebenberg, G.F. (1994) *The Economic Environment*. In: Kleynhans, TE & Liebenberg, GF (Eds). *Agrifutura 1994/1995*.

- Liebenberg, G.F.. (1994) *Die effek van BTW belasting*. Internal research report. Directorate Marketing. Department of Agriculture: Pretoria.
- Liebenberg, G.F. & Groenewald, J.A. (1997) *The Demand and Supply Elasticities of Agricultural Commodities: A Compilation of South African Estimates*. Development Impact Analysis Group - Agricultural Research Council. August 1997.
- Liebenberg, G.F. & Eckert, J.B. (Eds.) (1997) *The Western Cape Agricultural Social Accounting Matrix (WCAGRSAM)*. Compiled for: Strategic Micro and Macro Modelling Project (SM³). A joint research project between the Department of Agriculture, Western Cape, and the Development Impact Analysis Unit of the Agricultural Research Council. Progress Report: Volume 1.
- Eckert, J.B., Liebenberg, G.F. & Troskie, D.P. (1997) *Compiling a Agricultural SAM for the Western Cape Agriculture*. SM³ research report, Sub-Directorate of Agricultural Economics, Western Cape Department of Agriculture. Elsenburg.
- Eckert, J.B., Liebenberg, G.F. & Troskie, D.P. (1997) *The Macro Economics of Western Cape Agriculture: Analysis with a Social Accounting Matrix*. SM³ research report, Sub-Directorate of Agricultural Economics, Western Cape Department of Agriculture. Elsenburg.
- Liebenberg, GF & Gill, M (1998) Programme Approach to Science Research Management. In *Report to the Working Group on Research Management, Programmes, and Resourcing. Volume 2: to the Transformation Committee of the Agricultural Research Council*. September 1998, ARC Pretoria.
- Liebenberg, GF & Aucamp, A. (Eds.) (2000) *Transformation Secretariat Report: Recommendations to the CEO. Volume 1*. 19 April 2000. ARC, Pretoria.
- Sutherland, JA., Sibanda, S & Liebenberg, GF. (2001) *Review of the role of the ARC in the new look Ministry of Lands, Agriculture and Rural Settlement. Volume 1: Main Report and Recommendations*. 12 January – 24 February 2001. Harare.
- Sutherland, JA., Sibanda, S & Liebenberg, GF. (2001) *Review of the role of the ARC in the new look Ministry of Lands, Agriculture and Rural Settlement. Volume 2: Annexes to Main Report*. 12 January – 24 February 2001. Harare.
- Liebenberg, F. & Kirsten, J. (2005) *Policy Research and Capacity Strengthening Needs For Agricultural Research and Innovation in SADC: Synthesis Report*. ISNAR: Addis Ababa.
- Liebenberg, F. & Kirsten, J. (2005) *Policy Research and Capacity Strengthening Needs for Agricultural Research and Innovation in SADC*. Consultant's Synthesis Report. Addis Ababa: International Food Policy Research Institute.
- Liebenberg, F. & A.J. Van Der Merwe. (2006) Potential for Bio-Fuel Production in Zambia. Report to Evergreen Biofuels in preparation of a Biofuels Strategy for Depart of Energy of Zambia. Evergreen Biofuels: Pretoria.
- Liebenberg, F. PG Pardey, & M Khan. (2010) *South African Agricultural Research and Development: A Century of Change. Staff Paper P10-1*. Department of Applied Economics, International & Technology Practice and Policy. College of Food, Agricultural and Natural Resource Sciences, University of Minnesota, St Paul.
- Liebenberg, F. (2011) *South African Agricultural Production and Investment Patterns. Staff Paper P10-1*. Department of Applied Economics, International & Technology Practice and Policy. College of Food, Agricultural and Natural Resource Sciences, University of Minnesota, St Paul. (submitted August 2011).
- Liebenberg, F & Kirsten J. (2013) Statistics on Farm Labour in South Africa. UP Agricultural Economics Working Paper 2013/#2. University of Pretoria.
- Liebenber, F, Makhura, M.N. and Moloto, K. (2015) *The South Africa Agriculture Public Expenditure Review*. World Bank.
- Liebenberg, F. (2015) *Review of Agricultural Advisory Services in South Africa*. World Bank.

8.6 Papers Presented

(This list does not include papers presented at Farmer Associations and planning workshops)

8.6.1 National

- Eckert, J.B., Liebenberg, G.F. & Troskie, D.P. (1997) *Commercial Agriculture in the Western Cape*. Paper presented at the Western Cape Agricultural Summit. August 1997, Goudini Spa.
- Eckert, J.B., Liebenberg, G.F. & Troskie, D.P. (1997) *Commercial Agriculture in the Western Cape*. Paper presented at the Offices of the Director General of the Western Cape.
- Eckert, J.B., Liebenberg, G.F. & Troskie, D.P. (1997) *Commercial Agriculture in the Western Cape: Macro Economic Analysis with A Social Accounting Matrix*. Paper presented at ARC Directors Meeting, August 1997: Pretoria.
- Eckert, J.B., Liebenberg, G.F. & Troskie, D.P. (1997) *Commercial Agriculture in the Western Cape: Macro Economic Analysis with A Social Accounting Matrix*. Paper presented at the Annual Conference of the Agricultural Economics Association of South African. September 1997, East London.
- Randela, R, Liebenberg, GF, Kirsten & Townsend, RF. (2000) Demand for Livestock Tick Control Service in the Venda Region: Northern Province. Proceedings of Annual Conference of the Agricultural Economics Association of South African, September 2000, Lost City. Also published in *Agrekon* Vol. 39(4): 644-655.
- Liebenberg, F & Kirsten J. (2002) *Agricultural R&D Policy in South Africa: Reflections on the past and options for the future*. Paper presented at the Annual Conference of the Agricultural Economics Association of South African. September 2002, Bloemfontein.
- Liebenberg, F. P.G. Pardey & M. Khan. (2007) Rethinking South African Agricultural R&D: Contemporary Changes in a Long-Term Context. Paper presented at the Annual Conference of the Agricultural Economics Association of South African. September 2007,
- Liebenberg, F. (2011) An Overview of Productivity and Research in South African Agriculture. Presented at Fertilizer Society of South Africa Conference on *Fertilizer and Productivity in South Africa*. Lord Charles Hotel, Somerset West, South Africa, 2nd June 2011.

8.6.2 International

- Liebenberg, GF. (1998) *Revitalising Agricultural Production & Related Enterprises by Promoting Economically Viable Small-scale Farming Systems in the Amatola Region of the Eastern Cape*. Paper presented at the UNIQUAIMS Workshop held at Rothamsted Experimental Station, June 1998: Harpenden (UK).
- Liebenberg, GF (1999) *Considerations in Multi-level Research Planning*. Paper presented at the UNIQUAIMS Workshop held at Hotel Bougainvillea, April 1999: San José, Costa Rica.
- Esterhuizen, J & Liebenberg F (2002) *Performance Indicators for National Agricultural Research Organisations: A South African Case Study*. Paper presented at the Annual Conference of the International Biometric Society. July 21-26, Freiburg, Germany.
- Liebenberg, F. (2003). *Trends in South African Agricultural Science and Technology Indicators*. Paper presented at the Tri- Annual Conference of the International Association of Agricultural Economists. 16-22 August 2002, Durban.
- Liebenberg, F. (2010) Investment in Agricultural R&D. Presented at a mini symposium on *Agricultural Policy Prospects and Perspectives Facing sub-Saharan Africa*, at the 54th Annual Conference of the

Australian Agricultural & Resource Economics Society, Adelaide Conference Centre, Adelaide, South Australia. 10 February 2010.

Liebenberg, F. (2010) South African agricultural production and investments patterns. Presented at Farm Foundation-ERS Conference on *Global Agricultural Productivity*. Waugh Conference Center, USDA-ERS, Washington DC. 11-12 May 2010.

9 Membership of Professional Societies

1. The Agricultural Economics Association of Southern Africa.
Served as Referee for the *Agrekon Journal* since 1996
2. The Australian Agricultural and Resource Economics Society since 2009.
3. Global Agricultural Productivity Network sponsored by the USA Farm Foundation, NFP and the Economic Research Services of the US Department of Agriculture.