

Thomas L. Nordblom

Record of Publication, Training, Grant-writing & Outreach

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A. THESES

A.3 Nordblom, T.L. 1982. *Simulation of cattle cycle demography: cohort analysis of recruitment and culling decisions in the national beef cow herd.* PhD Dissertation, Oregon State University, Corvallis, Oregon. 286 pp. Available at <http://disexpress.umi.com/> Order Number 8128574 or download from <http://purl.umn.edu/202441>

A.2 Nordblom, T.L. 1972. *Economics of spring vs. fall-calving in eastern Oregon.* MSc Thesis, Dept. of Agricultural & Resource Economics, Oregon State University, Corvallis, Oregon. 101 pp. <http://hdl.handle.net/1957/25977>

A.1 Nordblom, T.L. 1969. *Simi Brothers' Ranch Situation.* BSc (Honors) Thesis, Dept of Ag. Management, California State Polytechnic College, San Luis Obispo, California. 368 pp. (206MB) <https://tinyurl.com/3apcyj6h>

B. REFERRED SCIENTIFIC JOURNAL ARTICLES

Details in GoogleScholar: <https://scholar.google.com.au/citations?user=AN7XIKkAAAAJ&hl=en&oi=ao>

B.34 Godfrey, S.S., Khokhar, M., Ip, R. H. L., Bhatti, M.A. & **Nordblom, T.L. (2025).** A conjoint analysis of mutton purchase preferences of urban consumers in Punjab and Islamabad regions, Pakistan. *Journal of Agribusiness in Developing and Emerging Economies.*

B.33 Rai, P., Godfrey, S. S., Storer, C. E., Behrendt, K., Ip, R. H. L., & **Nordblom, T.L. (2025).** Unravelling Regenerative Agriculture's Sustainability Benefits and Outcomes: A Scoping Review. *Sustainability*, 17(3). DOI: [10.3390/su17030981](https://doi.org/10.3390/su17030981)

B.32 **Nordblom, T.**, Gurusinghe, S., Hendriks, P-W., Rebetzke, G., Weston, L.A. 2025. An economic model evaluating competitive wheat genotypes for weed suppression and yield in a wheat and canola rotation. MDPI *Agronomy* 2025, <https://doi.org/10.3390/agronomy15010103>

B.31 **Nordblom, T.**; Gurusinghe, S.; Erbacher, A.; Weston, L.A. 2023. Opportunities and Challenges for Cover Cropping in Sustainable Agriculture Systems in Southern Australia. *Agriculture* 2023, 13, 688. <https://doi.org/10.3390/agriculture13030688>

B.30 Godfrey, Sosheel S.; **Nordblom, Thomas L.**; Anwar, Muhuddin R.; Ip, Ryan, H.L.; Luckett, David J.; Bange, Michael P. (2023). Untangling the complex mix of agronomic and economic uncertainties inherent in decisions on rainfed cotton." *Crop & Pasture Science, CSIRO* <https://www.publish.csiro.au/cp/pdf/CP22145>

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B. REFERRED SCIENTIFIC JOURNAL ARTICLES, continued

B.29 Godfrey, S.S., Ip, R.H.L. & **Nordblom**, T.L. 2021. Risk Analysis of Australia's Victorian Dairy Farms Using Multivariate Copulæ. *Journal of Agricultural and Applied Economics*. Cambridge University Press. <https://doi.org/10.1017/aae.2021.23>

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B.27 **Nordblom**, T.L., Hutchings, T.R., Godfrey, S.S., Schefe, C.R. (2021). Precision variable rate nitrogen for dryland farming on waterlogging Riverine Plains of Southeast Australia? *Agricultural Systems*, <https://doi.org/10.1016/j.agsy.2020.102962>

B.26 **Nordblom**, T.L., Penfold, C., Whitelaw-Weckert, M., Norton, M., Howie, J., Hutchings, T.R. (2021). Financial comparisons of under-vine management systems in four South Australian vineyard districts. *Australian Journal of Agricultural & Resource Economics*. <https://doi.org/10.1111/1467-8489.12411>

B.25 Anderson, W.K., Brennan, R.F., Jayasena, K.W., Micic, S., Moore, J.H., **Nordblom**, T. (2020). Tactical crop management for improved productivity in winter-dominant rainfall regions: a review. *Crop & Pasture Science*. <https://doi.org/10.1071/CP19315>

B.24 Godfrey, G.S., Ramsay, G.C., Behrendt, K., Wynn, P.C., **Nordblom**, T.L., Aslam, N. (2018). Analysis of agribusiness value chains servicing small-holder dairy farming communities in Punjab, Pakistan: three case studies. *International Food and Agribusiness Management Review*. <https://doi.org/10.22434/IFAMR2017.0122>

B.23 Godfrey, S., Behrendt, K., **Nordblom**, T., Wynn, P., Cowling, A., McGill, D., Warriach, H. (2018). Dairying and Whole-farm Economics of Crop-livestock Farming Systems - Comparing Arid and Irrigated Districts of Punjab, Pakistan. *Australian Farm Business Management Journal* 15, Paper G, 18 p., G. <https://blog.une.edu.au/afbm-journal/2018/05/15/profitability-from-dairying-in-pakistani-punjab/>

B.22 **Nordblom**, T.L., Hutchings, T.R, Hayes, R.C., Li, G.D., Finlayson, J.D. (2017). Does establishing lucerne under a cover crop increase farm financial risk? *Crop & Pasture Science* 68 (12): 1149–1157 <https://doi.org/10.1071/CP16379>

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B.20 Yang, Y., Yang, Y., Liu, D., **Nordblom**, T., Wu, B., Yan N. 2014. Regional Water Balance Based on Remotely Sensed Evapotranspiration and Irrigation: An Assessment of the Haihe Plain, China. *Remote Sensing*. 6(3):2514-2533. <https://doi.org/10.3390/rs6032514>

B.19 Finlayson, J.D., Real, D., **Nordblom**, T., Revell, C., Ewing, M., Kingwell, R. 2012. Farm level assessments of a novel drought tolerant forage: Tedera (*Bituminaria bituminosa* C.H.Stirt var. *albomarginata*). *Agricultural Systems* 112: 38-47 <https://doi.org/10.1016/j.agsy.2012.06.001>

B.18 **Nordblom**, T.L., Finlayson, J.D., Hume, I.H. 2012. Upstream demand for water use by new tree plantations imposes externalities on downstream irrigated agriculture and wetlands. *The Australian Journal of Agricultural and Resource Economics* 56 (4): 455-474 <https://doi.org/10.1111/j.1467-8489.2012.00593.x>

B.17 Hutchings, T.R. and **Nordblom**, T.L. 2011. A financial analysis of the effect of the mix of crop and sheep enterprises on the risk profile of dryland farms in south-eastern Australia. *AFBM (Australian Farm Business Management) Journal*. 8 (1): 19-42. <https://ageconsearch.umn.edu/record/120908/>

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B.13 Morin, L., Reid, A.M., Sims, N.M., Buckley, Y.M., Dhileepan, K. Hastwell, G.T., **Nordblom**, T.L., Raghu, S. 2009. Review of approaches to evaluate the effectiveness of weed biological control agents. *Biological Control* 51: 1–15. <https://doi.org/10.1016/j.biocontrol.2009.05.017>

B.12 **Nordblom**, T., Hume, I., Bathgate, A., Reynolds, M. 2006. Mathematical optimisation of drainage and economic land-use for target water and salt yields. *Australian Journal of Agricultural and Resource Economics*, 50 (3): 381-402. <https://doi.org/10.1111/j.1467-8489.2006.00356.x> <http://purl.umn.edu/116973>

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B.9 **Nordblom**, T., Smyth, M., Swirepik, A., Sheppard, A., Briese, D. 2002. Spatial economics of biological control: investing in new releases of insects for earlier limitation of Paterson's curse in Australia. *Agricultural Economics*, 27 (3): 403-424. <https://doi.org/10.1111/j.1574-0862.2002.tb00128.x>

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B.7 Medd, R.W., Van de Ven, R., Pickering, D.I., **Nordblom**, T.L. 2001. Determination of environment-specific dose response relationships for clodinafop-propargyl on *Avena* spp. *Weed Research*, 41 (4):351-368. <https://doi.org/10.1046/j.1365-3180.2001.00243.x>

B.6 Christiansen, S., Bounejmate, M., Sawmy-Edo, H., Mawlawi, B., Shomo, F., Cocks, P.S., **Nordblom**, T.L. 2000. Tah village project in Syria: Another unsuccessful attempt to introduce ley-farming in the Mediterranean basin. *Experimental Agriculture*, 36 (2):181-193. doi: 10.1017/S0014479700002015

B.5 Pannell, D.J., **Nordblom**, T.L. 1998. Impact of risk aversion on whole-farm management in Syria. *Australian Journal of Agricultural and Resource Economics*, 42 (3): 227-247. <https://doi.org/10.1111/1467-8489.00048>

B.4 Hamadeh, S.K., Shomo, F., **Nordblom**, T., Goodchild, A., Gintzburger, G. 1996. Small ruminant production in Lebanon's Bekaa Valley. *Small Ruminant Research*, 21 (3): 173-180. [https://doi.org/10.1016/0921-4488\(95\)00831-4](https://doi.org/10.1016/0921-4488(95)00831-4)

B.3 Thomson, E.F., Bahhady, F.A., **Nordblom**, T.L., Harris, H. 1995. A model-farm approach to research on crop-livestock integration: III. Benefits of crop-livestock integration and a critique of the approach. *Agricultural Systems*, 49 (1):161-170. [https://doi.org/10.1016/0308-521X\(95\)91632-9](https://doi.org/10.1016/0308-521X(95)91632-9)

B.2 **Nordblom**, T.L., Pannell, D.J., Christiansen, S., Nersoyan, N., Bahhady, F. 1994. From weed to wealth? Prospects for medic pastures in the Mediterranean farming system of north-west Syria. *Agricultural Economics*, 11 (1): 29-42. <https://ageconsearch.umn.edu/record/173438>

B.1 **Nordblom**, T.L., Ahmed, A.H., Miller, S.F., Glenn, D.M. 1985. Long-run evaluation of fertilization strategies for dryland wheat in northcentral Oregon: simulation analysis. *Agricultural Systems*, 18: 133-153. [https://doi.org/10.1016/0308-521X\(85\)90028-9](https://doi.org/10.1016/0308-521X(85)90028-9)

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C. COMMISSIONED REPORTS

C.6 Schmidtke, L.M., **Nordblom**, T.L., Robertson, S.M., Wills, B., Manyweathers, J., Bond, J., Hayes, L. and Xie, G. 2023. *Profitability Project – Part 1 Desktop Research*. Project CSU2201, Commissioned by Wine Australia.

C.5 Penfold, C., Weckert, M., **Nordblom**, T., Howie, J. & Norton, M. (2018). *Development of a low-input under-vine floor management system which improves profitability without compromising yield or quality: Final Report to Wine Australia*, University of Adelaide. 98 p. <https://www.wineaustralia.com/getmedia/fa895fab-efa3-4f86-8072-9c2f20e76f97/UA-1303-Final-Report>

C.4 **Nordblom**, T.L. and Hume, I.H. (eds.). 2011. *Developing Environmental Service Policy for Salinity and Water*. RIRDC Pub 10/219 <https://www.agrifutures.com.au/wp-content/uploads/publications/10-219.pdf>

C.3 Chaherli, N., Hazell, P., Ngaido, T., **Nordblom**, T., Oram, P. (eds). 1999. *Agricultural growth, sustainable resource management, and poverty alleviation in the low rainfall areas of West Asia and North Africa*. Proceedings of the International Conference held from 2-6 September 1997 in Amman, Jordan. Published by Deutsche Stiftung für internationale Entwicklung (DSE), (Food and Ag Development Center of the German Foundation for International Development). Feldafing, Germany. Sept. 1999. 283pp. ISBN: 3-931227-49-9

C.2 **Nordblom**, T.L., Ahmed, A.H., Potts, G.R. (eds). 1985. *Research Methodology for Livestock On-Farm Trials*, proceedings of a workshop held at Aleppo, Syria, 25-28 March 1985. IDRC, Ottawa, Canada. IDRC-242e. 313 pages in English and 42 page summary in Arabic. ISBN: 0-88936-469-9. NOTE: the entire proceedings were also published in **Arabic** and **French** by IDRC in 1987 and 1988, respectively: Arabic: IDRC-242a, ISBN: 0-88936-517-2. French: IDRC-242f, ISBN: 0-88936-469-9. <https://idl-bnc-idrc.dspacedirect.org/bitstream/handle/10625/20877/IDL-20877.pdf?sequence=1>

C.1 Miller, S.F., Bolton, F.E., Booster, D.E., Fitch, J.B., Jackson, T.L., Miller, R.F., **Nordblom**, T.L., Winward, A.H. 1979. *Dryland Agriculture in Winter Precipitation Regions of the World: Status of the Technical Art*. Office of International Agriculture, Oregon State University, Corvallis, Oregon. 218 pp. Library of Congress Catalogue Card No.: 79-90916

D. REFERRED RESEARCH BULLETINS

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D.27 **Nordblom**, T. Hutchings, T., Godfrey, S., Schefe, C. (2019). *Precision N rates for dryland farming? Financial analysis of variable-rate Nitrogen (VRN) in the Riverine Plains Region*. Selected Paper, 63rd AARES Annual Conf 2019, Melbourne Victoria. 12-15 Feb 2019. <https://ageconsearch.umn.edu/record/285048>

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D.25 **Nordblom**, T., Penfold, C., Weckert, M., Norton, M. (2017). *Straw and living mulches compared with herbicide for under-vine weed control in a Public-Private Benefit Framework*. Selected Paper, 61st Annual Conf, Australian Ag & Resource Econ Society, Brisbane, Qld 8-10 Feb, 2017. <http://ageconsearch.umn.edu/record/258677> (paper); <http://ageconsearch.umn.edu/record/258678> (slides)

D.24 **Nordblom**, T.L., Hutchings, T.R., Hayes, R.C., Li, G.D. 2015. *A Framework for Modelling Whole-Farm Financial Risk*. Selected Paper, Australian Agricultural & Resource Economics Society, 59th Annual Conf, Feb 10-13, 2015, Rotorua, New Zealand. <http://purl.umn.edu/202581> (paper); <http://purl.umn.edu/202986> slides

D.23 Hutchings, T.R., **Nordblom**, T., Hayes, R., and Li, G.D. 2014. *Financial risk modelling with long-run weather and price variations: Effects of pasture options on the financial performance of a representative dryland farm at Coolamon, NSW, comparing results of average-year linear programming and sequential multivariate analysis (SMA)*. Future Farm Industries CRC Technical Report 14 - Economic Analysis. 46pp. ISBN: 978-0-9925425-1-1 <http://ssrn.com/abstract=2495186> or http://www.futurefarmonline.com.au/publications/Technical%20Reports/Technical_Reports

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D. REFERRED RESEARCH BULLETINS, continued

D.22 **Nordblom**, T., Finlayson, J., Hume, I. and Kelly, J., 2009. *Supply and demand for water use by new forest plantations: a market to balance increasing upstream water use with downstream community, industry and environmental use?* Economic Research Report No 43, NSW DPI, Wagga Wagga. Future Farm Industries CRC. 58pp. ISBN 978 0 7347 1977 5 <http://archive.dpi.nsw.gov.au/content/science-and-research/economic-reports/economic-research-reports/43>

D.21 Cresswell, H.P., Hume, I.H., Wang, E., **Nordblom**, T.L., Finlayson, J.D., Glover, M. 2009. *Catchment response to farm scale land-use change*. CSIRO Land and Water Science Report 09/09 2009, CSIRO Land and Water and NSW Department of Primary Industries. 92 pp. HP_Cresswell_Catchment_Response_to_Farm_20160201-11554-1iovpv.pdf

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D.19 Brennan, J.P., Aw-Hassan, A., Quade, K.J., **Nordblom**, T.L. 2002. *Impact of ICARDA Research on Australian Agriculture*, Economic Research Report No. 11, NSW Agriculture, Wagga Wagga. 96 pp. ISBN 0 7347 1338 X. The full text is posted as ERR 11 at: <https://ageconsearch.umn.edu/bitstream/28012/1/er020011.pdf>

D.18 Rae, J., Arab, G., **Nordblom**, T., Jani, K., Gintzburger, G. 2001. *Tribes, State, and Technology Adoption in Arid Land Management, Syria*. System-Wide Program on Collective Action and Property Rights. CAPRI Working Paper No. 15. IFPRI, Washington, D.C. <http://www.ifpri.org/sites/default/files/publications/capriwp15.pdf>

D.17 **Nordblom**, T., Shomo, F., Gintzburger, G., Thomson, E. 1997. *Population, land, grain production and consumption, range and other feed sources for livestock: past, present and projected to 2025 for Central Asia*. Report prepared for the Global Livestock-CRSP workshop on “GIS modeling tools for international donors and local policy makers to understand and predict regional trends of rangeland production in Central Asia”, Almaty, Kazakhstan, 17-20 March, 1997; and for **International Centers Week 1997**, Washington, D.C., ICARDA-Ankara, Turkey. 25 pp. English (with **Russian** translation by Zouheir Massri and Elena Vostrikova).
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D.16 **Nordblom**, T.L., Shomo, F. 1995. *Food and feed prospects to 2020 in the West Asia / North Africa region*. ICARDA Social Science Paper No. 2., ICARDA, Aleppo. ICARDA 048. 66 pp. ISBN: 92-9127-033-4.
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D.14 **Nordblom**, T.L., Shomo, F. 1993. *Importance and role of feedlots*. Task Force 7 Document. Prepared for development of ICARDA's Medium Term Plan, 1994-1988. January 1993. 18 pp.

D.13 **Nordblom**, T., Christiansen, S., Nersoyan, N., Bahhady, F. 1992. *A Whole-farm Model for Economic Analysis of Medic Pasture and other Dryland Crops in Two-year Rotations with Wheat in Northwest Syria*. ICARDA-066. ICARDA. Oct. 1992. 100 pp. Electronic copy of report available at: <http://ssrn.com/abstract=2147598>

D.12 **Nordblom**, T.L. 1987. *Farming Practices in Southern Idleb Province, Syria: 1985 Survey Results*. ICARDA-107En. ICARDA. 88 pp. Electronic copy of report available at: <http://ssrn.com/abstract=2145183>

D.11 **Nordblom**, T.L., Thomson, E.F. 1987. *A Whole-Farm Model Based on Experimental Flocks and Crop Rotations in Northwest Syria*. ICARDA-102En. ICARDA. January 1987. 78 pp. <http://ssrn.com/abstract=2147573>

D.10 Hawtin, G.C., Bhardwaj, B.D., Saxena, M.C., Hussein, M.M., Nassib, A.M., Salih, F.A., **Nordblom**, T.L. 1984. *The Nile Valley Project: A Model of Cooperation Between International and National Programs in Research and Extension*. ICARDA. 14 pp.

D.9 Thomson, E.F., F.A. Bahhady, B.S. Capper and T.L. **Nordblom**. 1983. *Livestock in the Farming System*. Project IV Progress Report, Farming Systems Program, ICARDA. December 1983. 97 pp.

D.8 **Nordblom**, T.L. 1983. *Livestock-Crop Interactions: The Decision to Harvest or to Graze Mature Grain Crops*. Discussion Paper No. 10, ICARDA. May 1983. 21 pp. Available at: pdf.usaid.gov/pdf_docs/PNAAN862.pdf

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D.5 Cooper, P., Keatinge, D., Harmsen, K., **Nordblom**, T., Islam, R., Nygaard, D., Salkini, A.B., Saxena, M.C. 1982. *Biological Nitrogen Fixation, Productivity and Water Use of Grain and Forage Legumes*. Project II Research Report, Farming Systems Program, ICARDA. Dec 1982. 62 pp.

D.4 Brokken, R.F., O'Connor, C.W., **Nordblom**, T.L. 1980. *Costs of Reducing Grain Feeding of Beef Cattle*. Agricultural Economic Report 459. Economics, Statistics and Cooperatives Service, USDA, Washington, D.C. <https://naldc.nal.usda.gov/download/CAT87202120/PDF>

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D. REFEREED RESEARCH BULLETINS, continued

D.3 McNamee, W.A., **Nordblom**, T.L., Fitch, J.B., Roberts, R.S. 1977. *Potential for Agricultural Development on the Umatilla Indian Reservation*. Special Report 491. Agricultural Experiment Station, Oregon State University, Corvallis, Oregon. June 1977. 66 pp.

D.2 Radtke, H.D., **Nordblom**, T.L. 1976. *Economics of Small Rural Hospitals in Nevada*. Cooperative Extension Service Circular C-178. University of Nevada, Reno. December 1976. 12 pp. <https://tinyurl.com/3exfrcer>

D.1 Radtke, H.D., **Nordblom**, T.L. 1975. *Economics of a Small Rural Physician Practice in Nevada*. Cooperative Extension Service Circular C-167. Univ. of Nevada, Reno. Oct. 1975. 13 pp. <https://tinyurl.com/yybhprxs>

E. BOOK CHAPTERS & RESEARCH PAPERS IN REFEREED PROCEEDINGS

Note: to save space, where two or more papers are published in the same book they are listed in a box

E.51 Godfrey, S.S., Nordblom, T.L., and Ip, R.H.L. (2022). Business risk profiles for irrigated cotton in the Murrumbidgee catchment of Southern New South Wales. System Solutions for Complex Problems. Ed. Bell, L. Proc, 20th Australian Agronomy Conference, 18-22 September 2022, Toowoomba, Qld, Australia. http://www.agronomyaustraliaproceedings.org/images/sampleddata/2022/SystemFinancialEconomicPerformance/ASAgodfrey_s_481s.pdf

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G.5 Mohamed, G.E., **Nordblom**, T.L. 1983. On-farm trials in Sudan. *In: Saxena, M.C., Stewart, R.A. (eds). Faba Bean in the Nile Valley. Report on the first phase of the ICARDA/IFAD Nile Valley Project. Martinus Nijhoff Publishers, The Hague. 1983.* pp. 47-57.

G.4 Salkini, A.B., **Nordblom**, T.L. 1983. Socio-economic surveys in Sudan. *In: Saxena, M.C., Stewart, R.A. (eds). Faba Bean in the Nile Valley. Report on the first phase of the ICARDA/IFAD Nile Valley Project. Martinus Nijhoff Publishers, The Hague. 1983.* pp. 30-35.

G.3 Salkini, A.B., Nygaard, D.F., **Nordblom**, T.L. 1982. Farmer and consumer perspectives on insect pests of faba beans: survey results in Sudan. *FABIS* No. 5, October 1982. pp. 27-29.

G.2 **Nordblom**, T., Halimeh, H.. 1982. Lentil crop residues make a difference. *LENS* No.9, 1982. pp. 8-10.

G.1 Salkini, A., Halimeh, H., Mazid, A., **Nordblom**, T. 1982. National and farm level perspectives on faba bean production in crop-livestock systems in Syria, Egypt and Sudan. *FABIS* No. 4, May 1982. pp. 5-8

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H. PhD THESIS RESEARCH CO-SUPERVISED

H.14 Rai, Pradeep (in progress from 2023). *Unravelling Regenerative Farming Realities: Investigating Economic, Social and Environmental Outcomes and Preferences of Regenerative Farmers in Southeastern Australian Farming Context*. PhD proposal., Supervised by Dr S. Godfrey, Prof Behrendt, Dr R. Ip, Dr C. Storer and myself. School of Agricultural, Environmental and Veterinary Sciences. Charles Sturt University, Faculty of Science and Health. **Soils CRC project:** Defining the economic and social benefits of regenerative farming systems, with Gulbali Institute, Agriculture, Water, Environment.

H.13 John Lacy (in progress from 2022). *Identifying best practice drivers of farm profitability for dryland and irrigated winter crop sequences in Eastern Murray Valley of southeastern Australia*. PhD study with Dr Sosheel Godfrey, Prof Jim Pratley, Dr Jeff McCormick, Dr Ryan Ip, and myself. CSU School of Ag.

H.12 Godfrey, Sosheel. 2016. *Traditional milk marketing, domestic supply chains and dairy policy environment in Pakistan*. PhD study with Prof Gavin Ramsay, Dr Karl Behrendt, Prof Peter Wynn and myself, Charles Sturt University Wagga Wagga and Bathurst. Support, EH Graham Centre (Charles Sturt University and NSW DPI) and ACIAR on the project: “Strengthening dairy value chains in Pakistan through Improved farm management and more effective extension services”.

H.11 Hutchings, Timothy. 2013. “*Managing financial risk on dryland farms in SE Australia*”. PhD Study with Prof Kevin Parton, Head of Campus, Charles Sturt University, Orange (and Editor, Australian Farm Business Management Journal) and Prof Deirdre Lemerle, Director, EH Graham Centre, and myself. Support from the Future Farm Industries CRC. <http://purl.umn.edu/204434>

H.10 Pape-Christiansen, Andrea. 2001. *Intensification of rainfed agriculture in northern Syria: implications of perennial crops and irrigation on farm-household development*. PhD Thesis, Institute of Agricultural Economics and Social Sciences in the Tropics and Sub-Tropics, University of Hohenheim, Stuttgart, Germany. Published by Wissenschaftsverlag Vauk, Kiel, as Vol. 102 in the series: *Farming and Rural Systems Economics*, Werner Doppler and Siegfried Bauer (eds). ISBN: 3-8175-0347-7. (ICARDA)

H.9 Rae, Jonathan. 1999. *Tribe and State: management of the Syrian Steppe..* PhD Thesis, Department of Geography, Oxford University, Oxford, England. With Drs Wilkinson and Dawn Chatty. ICARDA Project 4.3 support

H.8 Darwich, Mustafa. 1998. *Economics of crop / livestock systems in the Abdul Aziz Mountain area of Hassakeh Province, northeast Syria*. PhD Thesis, Department of Agricultural Economics, University of Cukurova, Adana, Turkey. With Prof Dr Onur Erkan. Partial support from BMZ/GTZ special project grant to ICARDA's PFLP for livestock research. ICARDA Project 4.3 support. (ICARDA)

H.7 Leybourne, Marina L. 1997. *Changes in the northern Syrian steppe: a socio-geographic study*. Doctorat de géographie. Dept of Geography, University of Lyon, France. With Prof. Dr Georges Mutin and Dr Ronald Jaubert. Support from Centre d'étude et de recherche sur le Moyen-Orient (CERMOC, Amman, Jordan). (ICARDA)

H.6 Wachholtz, Rolf. 1996. *Socio-economics of bedouin farming systems in dry areas of northern Syria*. PhD Dissertation, Hohenheim, Germany. Published by Wissenschaftsverlag Vauk, Kiel, as Vol. 24 in the series: *Farming Systems and Resource Economics in the Tropics*, W. Doppler, (ed). ISBN: 3-8175-0233-8 (ICARDA)

H.5 Abdelmagid, Salah A. 1992. *The Economic Impact of Faba Bean Introduction in Smallholdings: A Case Study of the Gezira Scheme, Sudan*. PhD Thesis, Hohenheim, Germany. Wissenschaftsverlag Vauk, Kiel, as Vol. 13 in the series: *Farming Systems and Resource Economics in the Tropics*, W. Doppler (ed). (ICARDA)

H.4 Saade, Maurice. 1991. *An Economic Analysis of Fertilizer Allocation and Import Policies in Syria*. PhD Dissertation, Dept. of Agricultural Economics, Michigan State University, East Lansing, Michigan, USA. With Dr Stephen Harsh. Ford Foundation FSR grant support. (ICARDA)

H.3 Whitaker, Meri Lynn. 1991. *Optimizing Input Use in Highly Variable Environments: Nitrogen Fertilizer Use on Rainfed Wheat in Northwest Syria*. PhD Dissertation. Food Research Institute, Stanford University, California, USA. With Dr Carl Gotsch. Fulbright scholarship grant. (ICARDA)

H.2 Razzouk, Talal. 1990. *A Study of the Adoption of Innovations by Syrian Farmers*. PhD Dissertation, Dept. of Agriculture and Horticulture, the Univ. of Nottingham, School of Agriculture, Sutton Bonington, Loughborough, England. With Dr M.F. Seabrook. Supported by Aleppo University scholarship. (ICARDA)

H.1 März, Ulrich. 1990. *Farm Classification and Impact Analysis of Mixed Farming Systems in Northern Syria*. PhD Dissertation, Institute of Agricultural Economics and Social Sciences in the Tropics and Sub-Tropics, University of Hohenheim, Stuttgart, Germany. With Dr Werner Doppler. GTZ grant support. Published by Wissenschaftsverlag Vauk, Kiel, as Vol. 7 in the series: *Farming Systems and Resource Economics in the Tropics*, W. Doppler, editor. ISBN: 3-8175-0060-2 (ICARDA) [back to Index](#)

L. MSc THESIS. RESEARCH CO-SUPERVISED THROUGH ICARDA

I.10 Faour, Khaled. 1996. *Small ruminant production and land use in the Bekaa Valley, Lebanon: a bioeconomic model.* MSc Thesis, Faculty of Agricultural and Food Sciences, American University of Beirut, Lebanon. With Dr Shady Hamadeh. ICARDA/IFPRI Mashreq/Maghreb Project Support.

I.9 Hammad, Rifaat M. 1995. *Bio-economic analysis of small ruminant production systems in Bekaa Valley, Lebanon.* MSc Thesis, Faculty of Agricultural and Food Sciences, American University of Beirut, Beirut, Lebanon. With Drs Shady Hamadeh and Anthony Goodchild.

I.8 Pape, Andrea. 1994. *The Contribution of Women to Labor and Decision Making Processes in Bedouin Families. An Example from Syria.* MSc Thesis. Institute of Agricultural Economics and Social Sciences in the Tropics and Sub-Tropics, University of Hohenheim, Stuttgart, Germany. With Prof Dr Werner Doppler. Same BMZ/GTZ German government research grant, to the University of Hohenheim for the special project with ICARDA, that supported Mr Wachholtz, below.

I.7 Nasser, Shabab. 1994. *Agricultural systems analysis in dryland areas: Al-Hassakeh Province.* MSc Thesis, Dept. of Ag Economics, Agriculture Faculty, University of Damascus, Syria. With Dr Iskandar Ismail and Dr Noureddin Mona. Ford Foundation Graduate Research Training Grant support.

I.6 Heylen, Katy. 1993. *Sheep Marketing in Aleppo.* Diplomarbeit / MSc Thesis. With Prof Dr Pfeiffer, Institute of the Tropics, University of Leipzig, Germany, and Dr N. Mona, Dept. of Agricultural Economics, University of Aleppo, Syria. Study funded by the Universities of Leipzig and Aleppo.

I.5 Khazma, Mohamed. 1992. *Introduction of Ley-Farming System into Crop Rotations by Small Farmers Southern Idleb Region.* MSc Thesis, Dept. of Economics, Agriculture Faculty, University of Damascus, Syria. With Dr Samak and Dr Noureddin Mona. Ford Foundation Graduate Research Training Grant.

I.4 Issa, Majdeddin Sayed. 1991. *Economics of Wheat Production in Syria.* MSc Thesis. Dept. of Agricultural Economics, Faculty of Agriculture, University of Aleppo, Aleppo, Syria. With Dr Noureddin Mona. Ford Foundation Graduate Research Training grant support.

I.3 Yousif, Fuad S. 1988. *Faba Bean Marketing and Markets in Sudan.* MSc Thesis, Faculty of Economics and Rural Development. University of Gezira, Wad Medani, Sudan. With Dr Abd El Bagi Subaei. ICARDA / IFAD Nile Valley Project and Ford Foundation FSR grant support.

I.2 Sting, Jürgen. 1987. *The Economy of The Integration of Livestock and Trees in a Dry Area of Syria.* MSc Thesis, Institute of Agricultural Economics and Social Sciences in the Tropics and Sub-Tropics, University of Hohenheim, Stuttgart, Germany. With Dr Werner Doppler. GTZ grant.

I.1 Abdelmagid, Salah A. 1986. *An Economic Analysis of Dairy/Forage Enterprises in the Rahad Agricultural Project, Sudan.* MSc Thesis, Faculty of Economics and Rural Development, University of Gezira, Wad Medani, Sudan. With Dr Awadelkarim Ahmed. Ford Foundation FSR grant support.

J. POST DOCTORAL WORK ARRANGED AND SUPERVISED AT ICARDA

J.5 Dr Tidiane Ngaido (1996-97), Joint ICARDA/IFPRI Fellow on property rights research with the IFAD/AFESD-funded M&M Project in West Asia and North Africa. With Peter Hazell.

J.4 Dr Nabil Chaherli (1995-97), Joint ICARDA/IFPRI Fellow on policy research with the IFAD/AFESD-funded Mashreq/Maghreb (M&M) Project in West Asia and North Africa. With Peter Hazell.

J.3 Dr Mohamed Shykhoun (1987-88), Agricultural Economics Research Institute, Ministry of Agriculture, Cairo, Egypt. Co-authoring a study of farm resource management on the N.W. coast of Egypt, with Drs. Sobhi Najjar and Eugene Perrier. Ford Foundation FSR grant.

J.2 Dr Hamid Fakki (1987-88), Agricultural Research Corporation, Wad Medani, Sudan. Preparation of an ICARDA manual for farm surveys and on-farm trials, in English and Arabic. Ford Found. FSR grant.

J.1 Dr Awadelkarim Ahmed (1984-85), Gezira University, Wad Medani, Sudan. N-fertilizer strategies for rainfed wheat, and workshop on research methodology for livestock on-farm trials. Ford Foundation FSR grant.

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K. GRANT-WRITING SUCCESSES

1988-2024 total approx: A\$15.5M

K.13 With Sosheel Godfrey, Susan Robertson, Karl Behrendt, Ryan Ip, Catherine Allen and Christine Storer Gulbali Institute and Soil CRC, Economic, Social and Environmental aspects of Regenerative Agriculture. Approx. A\$514K

K.12 With Tim Hutchings and Sosheel Godfrey, a study on the economics of precision agriculture through Graham Centre for Riverine Plains Inc, (GRDC), using results of their trials in farmer's fields on variable rate Nitrogen (Aug 2017 – June 2018): Approx. A\$30K

K.11 Participated in 2013-14 preparations for “The development of a low-input under-vine floor management system” a (2014-2018) project supported by AGWA, The Australian Grape and Wine Authority, in collaboration with CIs Dr Melanie Weckert (NSW DPI, National Wine & Grape Industry Centre, Wagga Wagga) and Chris Penfold (University of Adelaide, Roseworthy). Approx. A\$13K

K.10 Participated in 2012-14 preparations for (2014-2016) project supported by GRDC on the agronomic, economic and farm financial risk questions around the establishment of perennial (lucerne) and annual pasture species under rainfed cover-crops. In collaboration with Tim Hutchings, Richard Hayes and Guangdi Li. Allocation for economic, financial risk analysis totals: Approx. A\$24K

K.9 Principal Investigator, “Developing environmental service policy for salinity and water”, under the E H Graham Centre for Agricultural Innovation, funded by the Rural Industries Research and Development Corporation, the CRC for Future Farm Industries (formerly CRC for Plant-based Management of Dryland Salinity), NSW DPI, VIC DPI, Charles Sturt University, University of Western Australia, and the Murray-Darling Basin Commission. (2006 - 2009) Approx. A\$440K

K.8 Participated in 2003-04 preparations with Hamish Cresswell (CSIRO Land & Water), Iain Hume (NSW DPI) and Geoff Beale (NSW DIPNR), of a proposal to GRDC: “Farming system options and catchment salinity response” in the Billabong Creek catchment in Southern NSW. Three years, 2005-07 Approx. A\$627K

K.7 Led on ICARDA's behalf in 1998, with Dr Ahmed Sidahmed (IFAD, International Fund for Agricultural Development-Rome), Gus Gintzburger and Euan Thomson (ICARDA), in preparing an IFAD-financed US\$1,500,000, three-year project on feed/livestock integration in Central Asia. Approx. A\$2.3M

K.6 Led on ICARDA's behalf in 1997, with Drs Emilio Laca (UC-Davis), Tagir Gilmanov (U. South Dakota), Douglas Johnson (Utah State U.), Gus Gintzburger, Euan Thomson (ICARDA), preparation of a proposal with the University of California-Davis for a Small-Ruminant (Global) Livestock-CRSP project: “Integrated Tools for Livestock Development and Rangeland Conservation in Central Asia” (ICARDA's share: US\$250,000 over three years, from 1998). Approx. A\$416K

K.5 Led on ICARDA's behalf in 1997 (with Drs Peter Hazell, Nabil Chaherli, Tidiane Ngaido and Maurice Saade) a proposal to IDRC-Cairo for co-funding (US\$180,000) to the M&M Project in 1998 and 1999: “Community-level impacts of policy, property right and technical options in the low rainfall areas of Morocco, Tunisia and Syria”. Approx. A\$300K

K.4 Participated in proposal writing for the IFAD/AFESD US\$3,000,000, 3-year (1995-1997) grant to ICARDA and IFPRI in 1994 (and its Phase II renewal in 1997 for the 1998-2001 period): *“Research program for the development of sustainable crop/livestock production technologies in the low rainfall areas of WANA”*. This was the Mashreq / Maghreb (M&M) Project with national programs of (Morocco, Algeria, Tunisia, Libya, Lebanon, Iraq, Jordan and Syria). Approx. A\$5M

K.3 Led on ICARDA's behalf (with Prof Dr W. Doppler) ICARDA's (1989) DM 400,000 proposal to BMZ for West German support of a research project on land use management in the marginal lands of Syria and Jordan; to be done with two PhD students from Hohenheim University and regional consultants. Approx. A\$360K

K.2 Prepared (with Dr Ahmed Kamel) ICARDA's US\$3,000,000, 3-year (April 1988) proposal to IFAD for a North Africa Regional project on agricultural technology transfer and research for barley, livestock and food legumes, covering Morocco, Algeria, Tunisia and Libya. Approx. A\$5M

K.1 Participated in writing grant proposal, with Dr H. Harris and W. Goebel in 1987-88, for US\$325,000 from IDRC to support an ICARDA project for Agro-Ecological Characterization with NARS of Turkey and Morocco. Approx. A\$541K

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L. WORKSHOPS ORGANIZED WITH THE INTERNATIONAL DEVELOPMENT RESEARCH CENTRE (IDRC-Canada), CAIRO, EGYPT:

L.3 "Research Methodology for Livestock On-Farm Trials," held at Aleppo, 25-28 March 1985, T. Nordblom with Awadelkarim Ahmed (ICARDA Post Doc) and Gordon R. Potts (IDRC). Twenty two non-ICARDA participants from Canada, Egypt, Ethiopia, Kenya, Libya, Morocco, Nigeria, Sudan, Syria, Turkey and the USA. See 'Books' section (**B.2**) for proceedings details.

L.2 "Food Legume Economics Workshop," held at Aleppo, 23-26 July 1984. Eleven training participants from Egypt, Sudan and Syria. With Gordon R. Potts (IDRC).

L.1 "Economics in the Design, Execution and Analysis of On-Farm Trials," held at Cairo and El-Minya, Egypt, 17-22 March 1983. With Gordon R. Potts (IDRC) and Dr Robert Deuson of the Egyptian Major Cereals Improvement Project (EMCIP/USAID). Participants from Sudan and Egypt.

M. WORKSHOPS ORGANIZED WITH THE INTERNATIONAL FOOD POLICY RESEARCH INSTITUTE (IFPRI), WASHINGTON, D.C.

(Peter Hazell, Nabil Chaherli, Tidiane Ngaido and Peter Oram)

M.9 Workshop on Property Rights, Collective Action (PRCA) and Technology Adoption, ICARDA, Aleppo, 22-25 November 1997. Participation by 13 of the 16 CGIAR Centers in this first workshop of the System-wide Program on PRCA: CIAT, CIMMYT, ICARDA, ICLARM, ICRAF, ICRISAT, IFPRI, IITA, ILRI, IIMI, IPGRI, IRRI, and WARDA. (Proceedings published by IFPRI in 2002, see **E.38**).

M.8 Agricultural Growth, Sustainable Resource Management and Poverty Alleviation in the Low Rainfall Areas of West Asia and North Africa, Amman, Jordan, September 2-6, 1997. Policy makers and representatives of the M&M Policy and Property Rights researchers of the eight M&M countries met over early research results and key issues; with sponsorship by ICARDA, IFPRI, NCARTT, IFAD, AFESD and DSE (Deutsche Stiftung für internationale Entwicklung: German Foundation for International Development) lead by Jürgen Richter; Chairman: Dr Nasrat Fadda (also see **B.3**).

M.7 Property Rights Research in the Low Rainfall Areas, a workshop at Amman, Jordan, 9-13 November 1996; organized with Drs Tidiane Ngaido, Peter Müller (GTZ), and Nasri Haddad. Policy makers and M&M researchers from Morocco, Algeria, Tunisia, Lebanon, Jordan and Syria, with Dr John Bruce (Land Tenure Center, U. of Wisconsin-Madison), met to discuss early Property Rights research results and methods (also see **F.12**).

M.6 Community Modeling Workshop, at Amman, Jordan, 12-16 May 1996, organized with N. Chaherli, B. Barbier (IFPRI) and M. Bendaoud (CRRA/INRA-Settat, Morocco). M&M modelers from Morocco, Tunisia, Jordan and Syria, met to unify thinking on methods (also see **F.10**).

The following workshop sequence was an extension of our "First M&M Policy Workshop" (see item 1, below)

M.5 Amman, Jordan, 21 March 1996, with M&M National Coordinators Qassem Mamdouh (Jordan), Salah Haj Hassan (Lebanon) and Dr Kamel Shideed (Iraq); with Jordanian, Lebanese and Iraqi policy makers and researchers; and Dr Nasri Haddad (ICARDA's West Asia Regional Program Coordinator and Coordinator of the M&M Project).

M.4 Damascus, Syria, 14 March 1996, with Yassin Sweidan (M&M National Coordinator) and Syrian policy makers and researchers.

M.3 Tunis, Tunisia, 6 March 1996; with M&M National Coordinators Ali Nefzaoui (Tunisia), Ali Zeghida (Algeria), and Adnan Sbeita (Libya); with Tunisian, Algerian and Libyan policy makers and researchers; and ICARDA's North Africa Regional Coordinator, Dr Mohammed Mekni.

M.2 Rabat, Morocco, 13 December 1995; with Dr Mohammed El-Mourid (M&M National Coordinator) and Moroccan policy makers and researchers.

M.1 The "First M&M Policy Workshop" of the ICARDA/IFPRI Mashreq / Maghreb (M&M) Project, at Tunis, 8-10 October 1995, with policy makers, researchers and M&M National Coordinators of Morocco, Algeria, Tunisia, Libya, Lebanon, Iraq, Jordan and Syria. Organized with Dr Nasri Haddad (ICARDA's West Asia Regional Program Coordinator and Coordinator of the M&M Project) and Dr Mohammed Mekni (ICARDA's North Africa Regional Program Coordinator). This was followed by **four "Mini-Policy Workshops"** (2, 3, 4 & 5 above, at Rabat, Tunis, Damascus and Amman, respectively) in conjunction with intensive planning meetings resulting, by 26 March '96, on consolidating work plans and budgets for the Policy and Property Rights research.

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N. MEMBERSHIP IN PROFESSIONAL SOCIETIES

Agricultural & Applied Economics Association (formerly *American Ag. Econ. Assoc.*) <http://www.aaea.org/>
Australasian (formerly Australian) Agricultural & Resource Economics Society <https://www.aares.org.au/>
Gulbali Institute (Agriculture, Water, Environment) (Charles Sturt University), where I am *Adjunct Associate Professor* <https://sciprofiles.com/profile/691820>

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Latest version of my *Record of Research, Training, Grant writing and Outreach*, available on request.

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