

# Professor Karl Behrendt: Publications<sup>1</sup>

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## Journal Papers

1. Abdullah Al-Amin, A. K. M.; Lowenberg-DeBoer, J.; Franklin, K.; **Behrendt, K.** (2023). Economics of field size and shape for autonomous crop machines. *Precision Agriculture*. <https://doi.org/10.1007/s11119-023-10016-w>
2. Martignone, G. B.; Paparas, D.; **Behrendt, K.** (2023). Asymmetric Price Transmission Analysis of the international Soybean Market. *Agricultural Sciences*, 14(3), 317-334. <https://doi.org/10.4236/as.2023.143020>
3. Kelly, J. E.; **Behrendt, K.**; Quinn, J. (2023). Simulating the population dynamics and impacts of weed management strategies on barley grass in a southern Australian lucerne pasture. *Crop and Pasture Science*. <https://doi.org/10.1071/CP22297>
4. Maritan, E.; Lowenberg-DeBoer, J.; **Behrendt, K.**; Franklin, K.; (2023). Economically optimal farmer supervision of crop robots. *Smart Agricultural Technology*, 3, 100110. <https://doi.org/10.1016/j.atech.2022.100110>
5. Martignone, G. B.; **Behrendt, K.**; Paparas, D. (2022). Price transmission analysis of the international soybean market in a trade war context. *Economies*. 10 (8), 203-226. <https://doi.org/10.3390/economies10080203>
6. **Behrendt, K.**; Brown, C.G.; Qiao, G.; Bao, Z. (2022). Assessing the opportunity costs of Chinese herder compliance with a payment for environmental services scheme. *Ecological Economics*. 193, 107313. <https://doi.org/10.1016/j.ecolecon.2021.107313>
7. Jargalsaihan, G.; Gombosuren, U.; Kemp, D.R.; **Behrendt, K.**; Lkhagvasuren, D.; Gankhuyg, L.; Brown, C.G. (2021) The size, structure and efficiency of Mongolian flocks and herds on degraded grasslands. *The Rangeland Journal*. 43(4), 235-246. <https://doi.org/10.1071/RJ21014>
8. Wynn Mitscherlich, C.C.; Voss, V-M.; Bhatti, M.A.; Eik, L.O.; **Behrendt, K.**; Wynn, P.C. (2021). Impact of increasing global connectedness and trade intensification on livestock's contribution to human welfare. *Animal Frontiers*. 11(5) pp. 40-51. <https://doi.org/10.1093/af/vfab058>
9. Lowenberg-DeBoer, J.; **Behrendt, K.**; Ehlers, M-H.; Dillon, C.; Gabriel, A.; Huang, I.; Kumwenda, I.; Mark, T.; Meyer-Aurich, A.; Milics, G.; Olgunju, K.O.; Pedersen, S.M.; Shockley, J.; Rose, D. (2021). Impact of Regulation on the Adoption of Autonomous Equipment for Field Crops. *Applied Economic Perspectives & Policy*. 1-17. <http://doi.org/10.1002/aep.13177>
10. Lowenberg-DeBoer, J.; Franklin, K.; **Behrendt, K.**; Godwin, R. (2021). Economics of Autonomous Equipment for Arable Farms. *Precision Agriculture*. <https://doi.org/10.1007/s11119-021-09822-x>
11. Godfrey, S.; Nordblom, T.; Ip, R.; Robertson, S.; Hutchings, T.; **Behrendt, K.** (2021) Drought shocks and gearing impacts on the profitability of sheep farming. *Agriculture*, 11(4), 366-387. <https://doi.org/10.3390/agriculture11040366>
12. Brown, C.G.; **Behrendt, K.**; Li, P.; Qiao, G.; Bennett, J.; Bao, Z.; Addison, J.; Kemp, D.R.; Han, G.D.; Zhang, J. (2021). Revising China's grassland policies: an interdisciplinary and ex-ante analysis. *The Rangeland Journal*. 42(6), 435-445. <https://doi.org/10.1071/RJ20097>
13. Holland, J.; **Behrendt, K.** (2021). The economics of liming in arable crop rotations: analysis of the 35-year Rothamsted and Woburn liming experiments. *Soil Use and Management*. 37(2), 342-352. <http://dx.doi.org/10.1111/sum.12682>
14. Kemp, D.R.; **Behrendt, K.**; Badgery, W.; Han, G.D.; Li, P.; Zhang, Y.J.; Wu, J.P.; Hou, F.J. (2020). Chinese degraded grasslands – pathways for sustainability. *The Rangeland Journal*. 42(5), 339-346. <https://doi.org/10.1071/RJ20033>
15. **Behrendt, K.**; Takahashi, T.; Kemp, D.R.; Han, G.D.; Li, Z.; Wang, Z.; Badgery, W.; Liu, H. (2020). Modelling Chinese grassland systems to improve herder livelihoods and grassland sustainability. *The Rangeland Journal*. 42(5), 329-338. <https://doi.org/10.1071/RJ20053>

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<sup>1</sup> By category and reverse chronological listing – [Google Scholar](#), [ORCID](#), [ResearchGate](#)

16. Badgery, W.; Kemp, D.R.; Zhang, Y.J.; Wang, Z.; Han, G.D.; Hou, F.J.; Liu, N.; Michalk, D.; **Behrendt, K.** (2020). Optimising grazing for livestock production and environmental benefits in Chinese grasslands. *The Rangeland Journal*. 42(5), 347-358. <https://doi.org/10.1071/RJ20049>
17. May, D.; Arancibia, S.; **Behrendt, K.**; Adams, J. (2019). Assessing the effectiveness of the young farmer payment in preventing young farmers from leaving the farm: a behavioural approach. *Land Use Policy*, 82, (March 2019) 317-327. doi: <https://doi.org/10.1016/j.landusepol.2018.12.019>
18. Godfrey, S.S.; Wynn, P.C.; Ramsey, G.; **Behrendt, K.**; 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*, 22(1), 119-136. doi: <https://doi.org/10.22434/IFAMR2017.0122>
19. Kelly, J.E.; Quinn, J.C.; Loukopoulos, P.; Broster, J.C.; **Behrendt, K.**; Weston, L.A. (2018). Seed contamination in sheep: new investigations into an old problem. *Animal Production Science*, 58(8), 1538-1544. doi: <http://www.publish.csiro.au/AN/AN17771>
20. Godfrey, S.S.; **Behrendt, K.**; Nordblom, T.L.; Wynn, P.C.; Ann Cowling, A.; McGill, D.M.; Warriach, H.M. (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, 30-47.
21. Amidy, M.R.; **Behrendt, K.**; Badgery, W.B. (2017). Assessing the profitability of native pasture grazing systems: a stochastic whole-farm modelling approach. *Animal Production Science*, 57(9) (June 2017), 1859-1868. doi: <http://dx.doi.org/10.1071/AN16678>
22. Luo, Q.; **Behrendt, K.**; Bange, M. (2017). Economics and risk of adaptation options in the Australian cotton industry. *Agricultural Systems*, 150 (January 2017), 46-53. doi: <http://dx.doi.org/10.1016/j.agsy.2016.09.014>
23. **Behrendt, K.**; Cacho, O.; Scott, J.M.; Jones, R. (2016). Using seasonal stochastic dynamic programming to identify optimal management decisions that achieve maximum economic sustainable yields from grasslands under climate risk. *Agricultural Systems*, 145 (June 2016), 13-23. doi: <http://dx.doi.org/10.1016/j.agsy.2016.03.001>
24. Li, Z.; Han, G.; Zhao, M.; Wang, J.; Wang, Z.; Kemp, D.R.; Michalk, D.L.; Wilkes, A.; **Behrendt, K.**; Wang, H.; Langford, C. (2015). Identifying management strategies to improve sustainability and household income for herders on the desert steppe in Inner Mongolia, China. *Agricultural Systems*, 132 (January 2015), 62-72. doi: <http://dx.doi.org/10.1016/j.agsy.2014.08.011>
25. **Behrendt, K.** (2014). Price risk exposure of Australian Merino's - is it in the bloodline? *Animal Production Science*, 54(9), 1317-1322. doi: <http://dx.doi.org/10.1071/AN14305>
26. **Behrendt, K.**; Scott, J. M.; Mackay, D. F.; Murison, R. (2013). Comparing the climate experienced during the Cicerone farmllet experiment against the climatic record. *Animal Production Science*, 53(8), 658-669. doi: <http://dx.doi.org/10.1071/AN12300>
27. **Behrendt, K.**; Cacho, O.; Scott, J.M.; Jones, R. (2013). Optimising pasture and grazing management decisions on the Cicerone Project farmllets over variable time horizons. *Animal Production Science*, 53(8), 796-805. doi: <http://dx.doi.org/10.1071/AN11174>
28. **Behrendt, K.**; Scott, J.M.; Cacho, O.; Jones, R. (2013). Simulating the impact of fertiliser strategies and prices on the economics of developing and managing the Cicerone Project farmllets under climatic uncertainty. *Animal Production Science*, 53(8), 806-816. doi: <http://dx.doi.org/10.1071/AN11173>
29. Scott J.M.; **Behrendt K.**; Colvin A.; Scott F.; Shakhane L.M.; Guppy C.; Hoad J.; Gaden C.A.; Edwards C.; Hinch G.N.; Cacho O.J.; Donald G.E.; Cottle D.; Coventry T.; Williams G.; Mackay D.F. (2013) Integrated overview of results from a farmllet experiment which compared the effects of pasture inputs and grazing management on profitability and sustainability. *Animal Production Science*, 53(8), 841-855. doi: <http://dx.doi.org/10.1071/AN12284>
30. Guisard, Y.; **Behrendt K.**; Mills, P.; Telfser, S.; Wheatley, W.; Hunter, C.; Acheson, R.; Bone, Z. (2012) A Course Approach to Student Transition to University: A Case Study in Agricultural Business Management, *Creative Education*, Special Edition – Higher Education, 3, 896-902, doi: 10.4236/ce.2012.326135.
31. **Behrendt, K.**; Cacho, O.; Scott, J.M.; Jones, R. (2006) Methodology for assessing optimal rates of pasture improvement in the high rainfall temperate pasture zone, *Australian Journal of Experimental Agriculture*, 46(6 & 7), 845-849.

## Peer-reviewed Conference Papers

1. Abdullah Al-Amin, A. K. M.; Lowenberg-DeBoer, J.; Franklin, K.; **Behrendt, K.** (2022). Economic Implications of Field Size for Autonomous Crop Machines. In *Proceedings of the 15th International Conference on Precision Agriculture*, Minneapolis, Minnesota, United States. 26-29 June, [15 pages](#).
2. Broadfoot, K.; Cashen, M.; **Behrendt, K.**; Clark, A.J.; Graham, P. (2021). Building responsive bio-economic models to replicate complex farm management decisions for mixed irrigation farming systems in southern NSW. In Vervoort, R.W., Voinov, A.A., Evans, J.P. Marshall, L. (eds) *MODSIM2021, 24th International Congress on Modelling and Simulation*. 5-9 December, Sydney, Australia, pp176-182. <https://doi.org/10.36334/modsim.2021.B8.broadfoot>
3. Kemp, DR; Addison, J; **Behrendt, K.**; Udval, G; Lkhagvaa, D; Han, GD; Li ZG; Li P (2021) Management changes and strategies to improve the environmental services from grasslands in northern China and Mongolia. In *Proceedings of the XXIV International Grasslands / XI Rangelands Congress: Sustainable Use of Grassland and Rangeland Resources for Improved Livelihoods*, Nairobi, Kenya. [4 pages](#).
4. **Behrendt, K.**; Kemp, DR; Udval, G; Jargalsaihan, G; Han, GD; Li ZG; Li P; Lkhagvaa, D (2021) Modelling the long-term impact on herder incomes and environmental services in an uncertain world. In *Proceedings of the XXIV International Grasslands / XI Rangelands Congress: Sustainable Use of Grassland and Rangeland Resources for Improved Livelihoods*, Nairobi, Kenya. [4 pages](#).
5. Abdullah Al-Amin, A. K. M.; Lowenberg-DeBoer, J.; Franklin, K.; **Behrendt, K.** (2021). Economic Implications of Field Size for Autonomous Arable Crop Equipment. In *Proceedings of the 3rd INFER Symposium on Agri-Tech Economics for Sustainable Futures*, In K. Behrendt and D. Paparas (eds), Global Institute for Agri-Tech Economics, Harper Adams University, Newport, United Kingdom. 20-21 September, [pp 25-44](#).
6. Theofanous, P.; Tremma, O.; Grigoriadis, V.; Walley, K.; Manning, L.; Paparas, D.; **Behrendt, K.** (2021). A Review of Olive Oil Price Relations through a Systematic Map. In *Proceedings of the 3rd INFER Symposium on Agri-Tech Economics for Sustainable Futures*, In K. Behrendt and D. Paparas (eds), Global Institute for Agri-Tech Economics, Harper Adams University, Newport, United Kingdom. 20-21 September, pp 125-128.
7. Lowenberg-DeBoer, J.; **Behrendt, K.**; Canavari, M.; Ehlers, M.-H.; Gabriel, A.; Huang, I.; Kopfinger, S.; Lenain, R.; Meyer-Aurich, A.; Milics, G.; Oluseyi Olagunju, K.; Pedersen, S.M.; Rose, D.; Spykman, O.; Tisseyre, B.; Zdráhal, I. (2021). The Impact of Regulation on Autonomous Crop Equipment in Europe. In *Proceedings of the 13<sup>th</sup> European Conference on Precision Agriculture, Precision Agriculture '21* In J.V. Stafford (ed). 19-22 July, Budapest, Hungary. pp. 851-857. Wageningen Academic Publishers. [https://doi.org/10.3920/978-90-8686-916-9\\_85](https://doi.org/10.3920/978-90-8686-916-9_85)
8. Lowenberg-DeBoer, J.; **Behrendt, K.**; Boot, A.; Byrne, R.; de Silva, C.; Eastham, J.; Huang, I.; Keeble, S.; May, D.; Munley, M.; Paparas, D.; Schröer -Merker, E.; Thelwell, S. (2020) Longer Term Impacts of the COVID-19 Pandemic on European Agriculture. *Proceedings of the 3rd INFER Symposium on Agri-Tech Economics for Sustainable Futures*, In K Behrendt and D Paparas (eds), Global Institute for Agri-Tech Economics, Harper Adams University, Newport, United Kingdom. 7-13.
9. Li, P.; **Behrendt, K.** (2019) Small households' efficiency in typical steppe in Inner Mongolia. *Proceedings of the INFER Workshop on Agri-Tech Economics*, In: K. Behrendt and D. Paparas (eds), 18-19 October, Newport, United Kingdom, [pp 80-85](#).
10. Badgery W, Kemp D, Zhang Y, Wang Z, Han G, Sun Y, Hou F, Michalk D, **Behrendt K** (2019) Grazing management practices for the future of Chinese grasslands. In *Proceedings of the 19th Australian, Rangeland Society Biennial Conference*, Canberra, Australia. P1.
11. Herbert, K.; Wu, H.; Bowden, P.; **Behrendt, K.**; Higgins, V. (2016) A national program to improve awareness and adoption of best management practice for silverleaf nightshade control. *Proceedings of the 20th Australasian Weeds Conference*, In R. Randall, S. Lloyd and C. Borger (eds), 11-15 September, Perth, Australia, [pp. 60-63](#).
12. Higgins, V.G.J.; Herbert, K.S.; Bowden, P.I.; Wu, H.; **Behrendt, K.** (2016) Social factors influencing landholder management of silverleaf nightshade, In: R. Randall, S. Lloyd and C. Borger (eds), *Proceeding of the 20th Australasian Weeds Conference*, 11-15 September, Perth, Australia, [pp 55-58](#).
13. **Behrendt, K.**; Deblitz, C.; Schutz, W.; Li, Z.; Ribero, G.G. (2016) Can rangeland livestock systems compete in a global market? Evidence from the past and present, *The Future Management of Grazing and Wild Lands in a*

- High-Tech World: Proceedings 10<sup>th</sup> International Rangeland Congress*, In: A. Iwaasa, H.A. Lardner, W. Willms, M. Schellenberg & K. Larson (eds), 17-22 July, Saskatoon, [pp. 123-125](#).
14. Takahashi, T.; Li, Z.; Wang, Z.; Han, G.; **Behrendt, K.**; Kemp, D. (2015) Quantifying the economic value of evidence-based animal selection on the Inner Mongolian desert steppe, In: A.K. Roy (ed), *Proceedings of the 23rd International Grasslands Congress*, 20-24 November, New Delhi, 2 pages.
  15. **Behrendt, K.** (2015) The value of modelling botanical composition change in grasslands, In: A.K. Roy (ed), *Proceedings of the 23rd International Grasslands Congress*, 20-24 November, New Delhi, 2 pages.
  16. Takahashi, T.; **Behrendt, K.**; Kemp, D. (2015) An R package to compute the energy balance for ruminants under both grazing and pen-fed conditions, In: A.K. Roy (ed), *Proceedings of the 23rd International Grasslands Congress*, 20-24 November, New Delhi, 2 pages.
  17. **Behrendt, K.** (2013) Optimising management to achieve sustainable economic yields from grasslands, Invited Poster Paper, In: D. Michalk; G. Millar, W. Badgery and K. Broadfoot (eds), *Proceedings of the 22nd International Grasslands Congress*, 15-19 September, Sydney, pp 883-884.
  18. Badgery, W.B.; Cranney, P.; Millar, G.; Mitchell, D.; **Behrendt, K.** (2012) Intensive rotational grazing can improve profitability and environmental outcomes, In: C. Harris; G. Lodge and C. Waters (eds), *Proceedings of the 27th Annual Conference of the Grassland Society of NSW Inc.*, 25-26 July, The Grassland Society of NSW Inc., 85-91.
  19. Guisard, Y.; Hunter, C.; **Behrendt, K.**; Acheson, R.; Bone, Z.; Mills, P.; Telfser, S.; Wheatley, W. (2012) Seeking new horizons for student transition: an integrated course approach. In Mortimer, R. (Ed.), *Proceedings of the 15<sup>th</sup> International First Year in Higher Education Conference*, 26-29 June, pp. 1-10.
  20. Godfrey, S.S.; Aslam, N.; Nordblom, T.; Warriach, H.M.; Ishaq, M.; Wynn, P.C.; Ramsay, G.; **Behrendt, K.** (2012) Marketing milk from small-holder dairy farmers in Pakistan, In S. Koonawootrittriron, T. Suwanasopee, T. Jaichansukkit, D. Jattawa, K. Boonyanuwat, and P. Skunmun (eds.), *Proceedings of the 15<sup>th</sup> AAAP Animal Science Congress*, 26-30 November, Asian-Australasian Association of Animal Production Societies, pp. 1404-1407.
  21. **Behrendt, K.**; Eppleston, J. (2011) Threats, realities and opportunities of grassland farming in the Central Tablelands, In: G. Lodge; J.M. Scott and W. Wheatley (eds), *Proceedings of the 26th Annual Conference of the Grassland Society of NSW Inc.*, 27-28 July, The Grassland Society of NSW Inc., 12-22.
  22. Mason, J.; **Behrendt, K.** (2009) Producers dealing with problem pasture species that cause seed contamination and production losses in lamb production systems, In: D. Brouwer; N. Griffiths and I. Blackwood (eds), *Proceedings of the 24th Annual Conference of the Grassland Society of NSW Inc.*, 5-6 August, The Grassland Society of NSW Inc., pp. 94-96.
  23. Mason, J.; **Behrendt, K.**; Toohey, E.; White, A. (2008) Using Bioclip™ to manage the impact of grass seed contamination on lamb production, In: S. Hatcher and J.S. Richards (eds) *NSW DPI Sheep & Beef Conference 2008 – Coping with a changing environment: environmental, technological, social and economic*, 2-4 September, Orange Agricultural Institute. NSW Department of Primary Industries, pp. 237-238.
  24. **Behrendt, K.**; Cacho, O.; Scott, J.; Jones, R. (2006) Pasture improvement: Optimal strategies for the New England, In: P.B. Cronje and D. Maxwell (eds) *Wool meets Meat – Tools for a modern sheep enterprise. Proceedings of the 2006 Australian Sheep Industry CRC conference*, Orange, Australia, pp256-257.
  25. **Behrendt, K.**; Cacho, O.; Scott, J.M. (2006) Optimisation of Pasture Improvement, In 'The Cicerone Farms: Coming to Conclusions, *Proceedings of 2006 Symposium*'. Armidale, NSW. (Ed. JM Scott) pp. 39-41. (The Cicerone Project Inc. and The Centre for Sustainable Farming Systems, University of New England).
  26. **Behrendt, K.** (2005) Pasture productivity and persistence: Optimal strategies for different livestock production systems. In 'The Cicerone Farms: Under the microscope, *Proceedings of 2005 Symposium*'. Armidale, NSW. (Ed. JM Scott) pp. 48-51. (The Cicerone Project Inc. and The Centre for Sustainable Farming Systems, University of New England).
  27. **Behrendt, K.** (2005) Grazing management and pasture innovations: what's best for your farming system?, In: H. Lloyd Davies (eds) *Proceedings of the 20th Annual Conference of the Grasslands Society of NSW Inc.*, Orange pp 69-73.

28. **Behrendt, K.**; Stefanski, A.; Salmon, E.M. (2000) Fine tuning the time of lambing in spring: is it profitable?, In: W. McDonald 9 (eds) *Proceedings of the 15th Annual Conference Grassland Society of NSW Inc.*, Armidale, pp. 127-129.
29. Davies, L; **Behrendt, K.** (1995) Economics of using silage and hay for increasing beef turn off weights, In: AA. Charry and M. McKerchar (eds) *'Keys to farm business success', Proceedings of the 21st Australian Farm Management Society Conference.* Orange, NSW.

## Books/Proceedings

1. Proceedings of the 5<sup>th</sup> Symposium on Agri-Tech Economics for Sustainable Futures (2022) Eds D Pappas, K. **Behrendt**. Global Institute for Agri-Tech Economics, Food, Land & Agribusiness Management Department, Harper Adams University. HAU Publications, Newport, United Kingdom, 19-20 September 2022, 224 pages. ISBN: 978-1-7398183-3-3
2. Proceedings of the 4<sup>th</sup> Symposium on Agri-Tech Economics for Sustainable Futures (2021) Eds **K Behrendt**, D Pappas. Global Institute for Agri-Tech Economics, Food, Land & Agribusiness Management Department, Harper Adams University. HAU Publications, Newport, UK, 20-21 September 2021. 177 pages. ISBN: 978-1-7398183-2-6 [10.22004/ag.econ.316594](https://doi.org/10.22004/ag.econ.316594)
3. Proceedings of the 3<sup>rd</sup> INFER Symposium on Agri-Tech Economics for Sustainable Futures (2020) Eds **K Behrendt**, D Pappas. Global Institute for Agri-Tech Economics, Land, Farm & Agribusiness Management Department, Harper Adams University. HAU Publications, Newport, UK, 21-22 September 2020. [131 pages](#). ISBN: 978-1-7398183-1-9
4. **Behrendt, K.**; Liu, H.; Takahashi, T.; and Kemp, D. (2020) StageTHREE Sustainable Grassland Model (v1.08) – Model description and users guide. Australian Centre for International Agricultural Research. Revised July 2020, 69 pages.
5. Proceedings of the infer Workshop on Agri-Tech Economics (2019) Eds **K Behrendt**, D Pappas. Global Institute for Agri-Tech Economics, Land, Farm & Agribusiness Management Department, Harper Adams University. HAU Publications, Newport, UK, 18-19 September 2019. [137 pages](#). ISBN: 978-1-7398183-0-2
6. Proceedings of the 30<sup>th</sup> Conference of the Grassland Society of NSW Inc. (2017) Eds **K Behrendt**, H Burns, B Hackney, D Harbison (Grassland Society of NSW Inc., Orange). 112 pages. ([ISBN 978-0-9943749-2-9](#))<sup>2</sup>
7. Collins, A.; Fitzsummons, P.; **Behrendt, K.**; Camac, M.; McCormick, L.; Latta, R.; John, C.; Sheehan, M.; Prance, T.; Humphries, A.; Hooke, T.; McEachern, S.; Jolly, S.; Dickson, H.; Shands, C.; James, R.; Evans, N. (2013) Winning against seeds: Management tools for your sheep enterprise. Meat & Livestock Australia. (ISBN: [1 74036 578 X](#))<sup>3</sup>
8. **Behrendt, K.** (2008) *Bioeconomics of pasture resource development in sheep production systems*, Doctor of Philosophy, University of New England, Armidale. <https://hdl.handle.net/1959.11/10980>
9. Hancock, B.; Schuster, H.; Krupa, P.; Fowler, P.; Hay, A.; Fletcher, R.; Spicer, G.; Wallace, M.; Jackson, G.; Cameron, D.; Thomas, D.; Sampson, V.; Fitzsummons, P.; **Behrendt, K.**; Waller, R.; Grech, C.; Prance, T.; Strugnell, T.; Devenish, K.; Apps, R.; McEachern, S.; Jolly, S.; Camac, M.; Jackson, A.; James, R.; Evans, N. (2004) Winning against seeds: Management tools for your sheep enterprise. Meat & Livestock Australia Ltd. (ISBN: [1 74036 578 X](#))
10. **Behrendt, K.** (1999) Rabbit Control: getting it right, Edited by Holmes Sackett & Associates Pty Ltd, The Woolmark Company. (ISBN: 0958543801)
11. **Behrendt, K.**; Walsh B.P. (1995) Strategic planning by open learning for farming and peri-urban agriculture, C.B. Alexander Agricultural College, Rural Industries Research and Development Corporation. 108 pages. (ISBN: 1862771561)

## Chapters in Books

1. Kemp, D, Wu, JP, Gong, XF, Li, P, Han, G, Zhao, M, **Behrendt, K**, Waldron, S (2020) Chinese livestock numbers and grassland impact. In 'Sustainable Chinese Grasslands.' Monograph 210 (Ed. D Kemp.) [Chapter 2 pp. 17-38](#). (Australian Centre for International Agricultural Research: Canberra, Australia)<sup>4</sup>

<sup>2</sup> [ISBN 978-0-9943749-3-6 \(Web\)](#)

<sup>3</sup> Peer-reviewed book.

<sup>4</sup> ISSN 1031–8194 (print) ISSN 1447–090X (online) ISBN 978-1-922345-21-9 (print) ISBN 978-1-922345-20-2 (online)

2. **Behrendt, K.**, Liu, H, Kemp, DR, Takahashi, T (2020) Sustainability modelling of grassland systems. In 'Sustainable Chinese Grasslands.' Monograph 210 (Ed. DR Kemp.) [Chapter 6 pp. 97-124](#). (Australian Centre for International Agricultural Research: Canberra)
3. Liu, H, **Behrendt, K.**, Wu J, Du W (2020) Modelling the sustainability of Qinghai-Tibetan Plateau grasslands. In 'Sustainable Chinese Grasslands.' Monograph 210 (Ed. DR Kemp.) [Chapter 7 pp. 125-152](#). (Australian Centre for International Agricultural Research: Canberra)
4. Badgery W, Kemp DR, Zhang Y, Wang Z, Han G, Sun Y, Hou F, Michalk DL, **Behrendt K** (2020) Devising sustainable grasslands grazing management practices for the future of Chinese grasslands. In 'Sustainable Chinese Grasslands.' Monograph 210 (Ed. DR Kemp.) [Chapter 10 pp. 191-210](#) (Australian Centre for International Agricultural Research: Canberra)
5. Kemp D, **Behrendt K.**, Han G, Hou F, Hou X, Wu J, Zhang Y (2020) Future-proof sustainable Chinese grasslands. In 'Sustainable Chinese Grasslands.' Monograph 210 (Ed. DR Kemp.) [Chapter 12 pp. 251-263](#). (Australian Centre for International Agricultural Research: Canberra)
6. Brown, C, Qiao G, Lkhagvadorj D, Addison J, Kemp D, Han G, Gombosuren U, **Behrendt K.**, Bennett J, Li P. (2020). Introduction. Chapter 1, In C. Brown (Ed) Common Grasslands in Asia: a comparative analysis of Chinese and Mongolian Grasslands. Edward Elgar Publishing, Cheltenham UK. pp 1-11 (ISBN: [978 1 78897 404 2](#))
7. Kemp, D., Ping, Li., Addison, J., **Behrendt, K.**, Zhongwu, W., Guodong, H., Mengli, Z., Bombosuren, U., Xiangyang, H. (2020). Grassland environmental services. Chapter 4, In C. Brown (Ed) Common Grasslands in Asia: a comparative analysis of Chinese and Mongolian Grasslands. Edward Elgar Publishing, Cheltenham UK. pp. 78-95 (ISBN: [978 1 78897 404 2](#))
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9. **Behrendt, K.**; Malcolm, B.; Jackson, T. (2014) Beef Business Management. In D.J. Cottle, L. Kahn (Eds.), Beef Cattle Production and Trade. (pp. 493-514). CSIRO Publishing, Melbourne. (ISBN: 9780643109889)<sup>5</sup>
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