

PLEASE FIND THE CV FORMAT BELOW

**Curriculum vitae**

1. **Family name: Rusinamhodzi**
2. **First names:**  Leonard
3. **Nationality: Zimbabwean**
4. **Country of Residence: Ghana**
5. **Contact details:** leonard.rusinamhodzi@gmail.com; +233208626052
6. **Education:**

|  |  |
| --- | --- |
| **Institution****[ Date from - Date to ]** | **Qualification obtained:** |
| Wageningen University 2009-2013 | PhD |
| University of Zimbabwe 2003-2006 | M.Phil |
| University of Zimbabwe 1999-2002 | BSc. Honors |

1. **Language skills:** (1 - excellent; 5 - basic)

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| **Language** | **Reading** | **Speaking** | **Writing** |
| English | 5 | 5 | 5 |
| Shona | 5 | 5 | 5 |
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1. **Membership** **of professional bodies:**

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| Soil Science Society of Zimbabwe; Africa Network for Soil Biology and Fertility (AFNET)  |

1. **Specialisation** (e.g. Agronomy, soil fertility, farming systems, crop ecology, modelling, data analytics, climate variability and change, cropping system design)
2. **Present position: Senior Systems Agronomist**
3. **Key Skills:**  **Agronomy** (Participatory Action Research, Integrated Soil Fertility Management, agronomic surveys), **Systems modelling** (Cropping and Farming Systems Analysis/ modelling in East and Southern Africa), **Data handling** (Expertise in agronomic and farm survey data analysis, scientific writing)
4. **Specific experience:**

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| **Country** | **Date from - Date to** |
| Zimbabwe/Malawi/Mozambique | 2008 - 2014 |
| Kenya | 2015 - 2018 |
| Nepal | 2018 -2019 |
| Ghana  | 2019 - present |

1. **Professional experience (Formal employment and Assignments/consultancies**)

| **Date from - to** | **Location** | **Organisation** | **Position** | **Description of Duties and achievements** |
| --- | --- | --- | --- | --- |
| 11/2019 - present | Accra, Ghana | IITA | Senior Systems Agronomist | * Strategic leader of the Research for development (R4D) of the CocoaSoils Program
* Manage the research team implementing the step-wise program
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| 01/2019-11/2019 | Kathmandu, Nepal | CIMMYT | Scientist | * Coordinate the soil fertility management component of the Nepal Seed and Fertilier (NSAF) project, including science, policy, market development, and technology scaling components
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| 04/2015-12/2018 | Nairobi, Kenya | CIMMYT | Scientist | * Advanced analyse of sustainable intensification sytems
* Field and farm modeling
 |
| 01/2014 – 03/2015 | Harare/Montpellier | CIRAD | Post-Doctoral Scientist | * Modelling impact of climate change on cropping systems across farming systems in southern Africa
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| 01/2012 – 12/2013 | Harare | CIMMYT | Consultant – Scientific Writer | * Data collection and analysis on all agronomic aspects
* Writing-up of scientific manuscripts
* Supervision of BSc and MSc students
 |

1. Publications

*Peer Reviewed Journal Publications*

1. Nyagumbo, I., Mupangwa, W., Chipindu, L., **Rusinamhodzi, L.,** Craufurd, P., (2020). A regional synthesis of seven-year maize yield responses to conservation agriculture technologies in Eastern and Southern Africa. Agriculture, Ecosystems & Environment 295.
2. Rusinamhodzi, L., et al. (2020). "Performance of elite maize genotypes under selected sustainable intensification options in Kenya." Field Crops Research **249**: 107738.
3. Dahlin, A.S., **Rusinamhodzi, L.,** 2019. Yield and labor relations of sustainable intensification options for smallholder farmers in sub‐Saharan Africa. A meta‐analysis. Agron. Sustain. Dev. 39, 32. https://doi.org/10.1007/S13593-019-0575-1
4. Krupnik T. J, Andersson, J. A, **Rusinamhodzi L**, Corbeels M, Shennan C GÉRard, Bruno (2019). DOES SIZE MATTER? A CRITICAL REVIEW OF META-ANALYSIS IN AGRONOMY. Experimental Agriculture: 1-30.
5. Grabowski, P., Schmitt Olabisi, L., Adebiyi, J., Waldman, K., Richardson, R., **Rusinamhodzi, L**., Snapp, S., 2019. Assessing adoption potential in a risky environment: The case of perennial pigeonpea. Agric. Sys. 171, 89-99.
6. Marc Corbeels, David Berre, **Leonard Rusinamhodzi**, Santiago Lopez-Ridaura (2018) Can we use crop modelling for identifying climate change adaptation options? Agriculture and Forest Meteorology **256-257:** 46-52.
7. Berre, D., Corbeels, M., **Rusinamhodzi, L.**, Mutenje, M., Thierfelder, C., Lopez-Ridaura, S. (2017). Thinking beyond agronomic yield gap: Smallholder farm efficiency under contrasted livelihood strategies in Malawi. Field Crops Research 214, 113-122.
8. **Rusinamhodzi, L.,** Makoko, B. & Sariah, J (2017). Ratooning pigeonpea in maize-pigeonpea intercropping: Productivity and seed cost reduction in eastern Tanzania. *Field Crops Research* **203**: 24-32.
9. **Rusinamhodzi, L**., Dahlin, S., Corbeels, M., 2016. Living within their means: Reallocation of farm resources can help smallholder farmers improve crop yields and soil fertility. Agric. Ecosyst. Environ. 216, 125–136. https://doi.org/10.1016/j.agee.2015.09.033
10. **Rusinamhodzi, L**., Corbeels, M., & Giller, K. E. (2016). Diversity in crop residue management across an intensification gradient in southern Africa: System dynamics and crop productivity. *Field Crops Research*, *185*[, 79–88. http://doi.org/10.1016/j.fcr.2015.10.007](http://doi.org/10.1016/j.fcr.2015.10.007)
11. Mafongoya, P., **Rusinamhodzi, L.,** Siziba, S., Thierfelder, C., Mvumi, B. M., Nhau, B., et al. (2016). Maize productivity and profitability in Conservation Agriculture systems across agro- ecological regions in Zimbabwe: A review of knowledge and practice. *Agriculture, Ecosystems & Environment*, *220*, 211–225. <http://doi.org/10.1016/j.agee.2016.01.017>
12. Thierfelder, C., **Rusinamhodzi, L.,** Setimela, P., Walker, F., & Eash, N. S. (2015). Conservation agriculture and drought-tolerant germplasm: Reaping the benefits of climate-smart agriculture technologies in central Mozambique. *Renewable Agriculture and Food Systems*, 1–15. http:// doi.org/10.1017/S1742170515000332
13. **Rusinamhodzi, L.,** Wijk, M. T. V., Corbeels, M., Rufino, M. C., & Giller, K. E. (2015). Maize crop residue uses and trade-offs on smallholder crop-livestock farms in Zimbabwe: Economic implications of intensification. *Agriculture, Ecosystems & Environment*, *214*, 31–45. <http://doi.org/10.1016/j.agee.2015.08.012>
14. **Rusinamhodzi, L (2015)** *Tinkering on the periphery: Labour burden not crop productivity increased under no-till planting basins on smallholder farms in Murehwa district, Zimbabwe*. Field Crops Research 01/2015; 170:66-75.
15. Christian Thierfelder, Rumbidzai Matemba-Mutasa, **Leonard Rusinamhodzi**: *Yield response of maize (Zea mays L.) to conservation agriculture cropping system in Southern Africa*. Soil and Tillage Research 10/2014; 146:230-242.
16. Tarirai Muoni, **Leonard Rusinamhodzi**, Joyful T. Rugare, Stanford Mabasa, Eunice Mangosho, Walter Mupangwa, Christian Thierfelder: *Effect of herbicide application on weed flora under conservation agriculture in Zimbabwe*. Crop Protection 01/2014; 66:1-7.
17. D.F. van Apeldoorn, B. Kempen, H.M. Bartholomeus, **Leonard Rusinamhodzi**, S. Zingore,

M.P.W. Sonneveld, K. Kok, K.E. Giller: *Analysing soil organic C gradients in a smallholder farming village of East Zimbabwe*. Geoderma Regional. 01/2014;

1. **Leonard Rusinamhodzi**, Marc Corbeels, Shamie Zingore, Justice Nyamangara, K. E. G. (2014). Managing degraded soils with balanced fertilization in Zimbabwe. *Better Crops with Plant Food*, *98*(3), 24–27.
2. Tarirai Muoni, **Leonard Rusinamhodzi,** Stanford Mabasa, Joyful T Rugare, C. T. (2014). Does the Use of Atrazine in Maize Grown Under Conservation Agriculture Adversely Affect Soybean Productivity in Maize-Soyabean Rotation in Zimbabwe? *Journal of Agricultural Science*, *6*(7), 294–302.
3. Christian Thierfelder, **Leonard Rusinamhodzi**, Amos R. Ngwira, Walter Mupangwa, Isaiah Nyagumbo, Girma T. Kassie, Jill E. Cairns: *Conservation agriculture in Southern Africa: Advances in knowledge*. Renewable Agriculture and Food Systems 12/2013;
4. Tarirai Muoni, **Leonard Rusinamhodzi**, Christian Thierfelder: *Weed control in conservation agriculture systems of Zimbabwe: Identifying economical best strategies*. Crop Protection 06/2013; 53:23-28.
5. **Leonard Rusinamhodzi**, Marc Corbeels, Shamie Zingore, Justice Nyamangara, Ken E. Giller (2013) *Pushing the envelope? Maize production intensification and the role of cattle manure in recovery of degraded soils in smallholder farming areas of Zimbabwe*. Field Crops Research 147:40-53.
6. Thierfelder C, Mombeyarara T, Mango N, **Rusinamhodzi Leonard** (2013) *Integration of conservation agriculture in smallholder farming systems of southern Africa: identification of key entry points*. International Journal of Agricultural Sustainability 11(3): 317-330.
7. Thierfelder C, Chisui J, Gama S, Cheesman S, Jere ZD, Bunderson WT, Nash N, Ngwira RA, **Rusinamhodzi Leonard**: *Maize-based conservation agriculture systems in Malawi: Long-term trends in productivity*. Field Crops Research 01/2013; 142:47-57.
8. Marc Corbeels, Jan de Graaff, Tim Hycenth Ndah, Eric Penot, Frederic Baudron, Krishna Naudin, Nadine Andrieu, Guillaume Chirat, Johannes Schuler, Isaiah Nyagumbo, **Leonard Rusinamhodzi**, Karim Traore, Hamisi Dulla Mzoba, Ivan Solomon Adolwa (2013) *Understanding the impact and adoption of conservation agriculture in Africa: A multi-scale analysis*. Agriculture Ecosystems & Environment 187:155-170.
9. Christian Thierfelder, Stephanie Cheesman, **Leonard Rusinamhodzi**: *A comparative analysis of conservation agriculture systems (2012) Benefits and challenges of rotations and intercropping in Zimbabwe*. Field Crops Research 137:237-250.
10. **Rusinamhodzi, L**., Corbeels, M., Nyamangara, J., Giller, K.E., 2012. Maize-grain legume intercropping is an attractive option for ecological intensification that reduces climatic risk for smallholder farmers in central Mozambique. F. Crop. Res. 136, 12–22.
11. Thierfelder C, Cheesman S, **Rusinamhodzi Leonard** (2012) *Benefits and challenges of crop*

*rotations in maize-based conservation agriculture (CA) cropping systems of southern Africa*. International Journal of Agricultural Sustainability 11(2): 108-124.

1. Thierfelder C, Mwila M, **Rusinamhodzi Leonard**: *Conservation agriculture in eastern and southern provinces of Zambia: Long-term effects on soil quality and maize productivity*. Soil and Tillage Research 01/2012; 126:246-258.
2. Rusinamhodzi, L., Corbeels, M., van Wijk, M.T., Rufino, M.C., Nyamangara, J., Giller, K.E., 2011. A meta-analysis of long-term effects of conservation agriculture on maize grain yield under rain-fed conditions. Agron. Sustain. Dev. 31, 657–673. https://doi.org/10.1007/s13593-011-0040-2
3. **Rusinamhodzi Leonard**, Murwira HK, Nyamangara J (2009) *Effect of cotton-cowpea intercropping on C and N mineralisation patterns of residue mixtures and soil*. Australian Journal of Soil Research 47:190-197.
4. **Leonard Rusinamhodzi**, H. K. Murwira, J. Nyamangara (2006) *Cotton–cowpea intercropping and its N2 fixation capacity improves yield of a subsequent maize crop under Zimbabwean rain-fed conditions*. Plant and Soil 287(1):327-336.

**Books**

**Rusinamhodzi, L (Ed) (2019)** The Role of Ecosystem Services in Sustainable Food Systems. Elsevier Inc. ISBN:978-0-12-816436-5. 302 pages, DOI: <https://doi.org/10.1016/C2018-0-00522-8>

**Book Chapters**

**Rusinamhodzi, L.** (2020). Challenges in maximizing benefits from ecosystem services and transforming food systems. In Rusinamhodzi, L (Ed) The Role of Ecosystem Services in Sustainable Food Systems. Elsevier Inc, pages 263-274.

**Rusinamhodzi, L** (2015) *Crop Rotations and Residue Management in Conservation Agriculture*.

Conservation Agriculture, Edited by Muhammad Farooq, Kadambot H. M. Siddique, 01/2015: chapter 2: pages 21-37; Springer International Publishing., ISBN: 9783319116198

Corbeels, M., Thierfelder, C., & **Rusinamhodzi, L**. (2014). Conservation Agriculture in Sub-Saharan Africa. In *Conservation Agriculture* (pp. 443–476). Cham: Springer International Publishing. <http://doi.org/10.1007/978-3-319-11620-4_18>

Justice Nyamangara, Regis Chikowo, **Leonard Rusinamhodzi** and Kizito Mazvimavi: Conservation Agriculture in Southern Africa: Lessons learnt. Conservation Agriculture Global Prospects and Challenges, Edited by Ram A Jat, Amir H Kassam, Kanwar L Sahrawat, 12/2013 : Chapter 14: 424 pages; CABI

**Rusinamhodzi L**, Delve R: *Participatory Variety Selection of Pulses Under Different Soil and Pest Management Practices in Kadoma District, Zimbabwe*. Innovations as Key to the Green Revolution in Africa, Edited by Bationo A, Waswa B, Okeyo JM, Maina F, Kihara JM, 01/2011: pages 1015-1022; Springer.

**Other publications**

Sigrun Dahlin and **Leonard Rusinamhodzi** (2014) Review of interventions and technologies for sustainable intensification of smallholder crop production in sub-humid sub-Saharan Africa – with an assessment of effectiveness of selected options on differently endowed case study farms. A working paper. SLU-Global Report 2014:5. SLU Global, Uppsala, Sweden

1. **Professional Referees**
2. **Prof. Marc Corbeels**

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