

## MULTISTRATA AGROFORESTRY REFERENCES

Albrecht, A., & Kandji, S. T. (2003). Carbon sequestration in tropical agroforestry systems. *Agriculture, Ecosystems & Environment*, 99(1–3), 15–27. [https://doi.org/10.1016/S0167-8809\(03\)00138-5](https://doi.org/10.1016/S0167-8809(03)00138-5)

Bisseleua, D. Hervé Bertin, Fotio, D., Yede, Missoup, A. D., & Vidal, S. (2013). Shade Tree Diversity, Cocoa Pest Damage, Yield Compensating Inputs and Farmers' Net Returns in West Africa. *PLoS ONE*, 8(3), e56115. <https://doi.org/10.1371/journal.pone.0056115>

Bisseleua, D.H.B., Missoup, A. D., & Vidal, S. (2009). Biodiversity Conservation, Ecosystem Functioning, and Economic Incentives under Cocoa Agroforestry Intensification. *Conservation Biology*, 23(5), 1176–1184. <https://doi.org/10.1111/j.1523-1739.2009.01220.x>

Bonn Challenge: A World of Opportunity | Global Partnership on Forest and Landscape Restoration. (2016, November 13). Retrieved November 12, 2016, from <http://www.forestlandscaperestoration.org/resource/bonn-challenge-world-opportunity>

Brakas, S. G., & Aune, J. B. (2011). Biomass and Carbon Accumulation in Land Use Systems of Claveria, the Philippines. In B. Mohan Kumar & P. K. R. Nair (Eds.), *Carbon Sequestration Potential of Agroforestry Systems* (Vol. 8, pp. 163–175). [https://doi.org/10.1007/978-94-007-1630-8\\_9](https://doi.org/10.1007/978-94-007-1630-8_9)

Cassidy, E. S., West, P. C., Gerber, J. S., & Foley, J. A. (2013). Redefining agricultural yields: from tonnes to people nourished per hectare. *Environmental Research Letters*, 8(3), 034015. <https://doi.org/10.1088/1748-9326/8/3/034015>

Caudill, S. A., DeClerck, F. J., & Husband, T. P. (2015). Connecting sustainable agriculture and wildlife conservation: Does shade coffee provide habitat for mammals? *Agriculture, Ecosystems & Environment*, 199, 85–93.

Clay, J. W. (2004). *World agriculture and the environment: a commodity-by-commodity guide to impacts and practices*. Washington, D.C: Island Press.

Clough, Y., Barkmann, J., Juhrbandt, J., Kessler, M., Wanger, T. C., Anshary, A., ... Tscharntke, T. (2011). Combining high biodiversity with high yields in tropical agroforests. *Proceedings of the National Academy of Sciences*, 108(20), 8311–8316. <https://doi.org/10.1073/pnas.1016799108>

Cooper, P. J. M., Leakey, R. R. B., Rao, M. R., & Reynolds, L. (1996). Agroforestry and the Mitigation of Land Degradation in the Humid and Sub-humid Tropics of Africa. *Experimental Agriculture*, 32(03), 235. <https://doi.org/10.1017/S0014479700026223>

Covey, K. R., Wood, S. A., Warren, R. J., Lee, X., & Bradford, M. A. (2012). Elevated methane concentrations in trees of an upland forest. *Geophysical Research Letters*, 39(15). <https://doi.org/10.1029/2012GL052361>

Cox, S., Crews, T., & Jackson, W. (2014). From genetics and breeding to agronomy and ecology. *Perennial Crops for Food Security: Proceedings of the FAO Expert Workshop*, 158–168. Retrieved from [https://landinstitute.org/wp-content/uploads/2014/11/PF\\_FAO14\\_ch12.pdf](https://landinstitute.org/wp-content/uploads/2014/11/PF_FAO14_ch12.pdf)

De Beenhouwer, M., Geeraert, L., Mertens, J., Van Geel, M., Aerts, R., Vanderhaegen, K., & Honnay, O. (2016). Biodiversity and carbon storage co-benefits of coffee agroforestry across a gradient of increasing management intensity in the SW Ethiopian highlands. *Agriculture, Ecosystems & Environment*, 222, 193–199.

De Leeuw, J., Njenga, M., Wagner, B., & Iiyama, M. (Eds.). (2014). *Treesilience: An assessment of the resilience provided by trees in the drylands of Eastern Africa*. Retrieved from <http://www.worldagroforestry.org/news/treesilience-assessment-resilience-provided-trees-drylands-eastern-africa>

Dixon, A. P., Faber-Langendoen, D., Josse, C., Morrison, J., & Loucks, C. J. (2014). Distribution mapping of world grassland types. *Journal of Biogeography*, 41(11), 2003–2019. <https://doi.org/10.1111/jbi.12381>

Duguma, L., Nzyoka, J., Minang, P., & Bernard, F. (2017). How agroforestry propels achievement of Nationally Determined Contributions. *ICRAF Policy Brief*, (34).

Elevich, C. (2015). Getting started with food-producing agroforestry landscapes in the Pacific. In *Agroforestry landscapes for pacific islands: creating abundant and resilient food systems* (1st edition). Holualoa, HI: Permanent Agriculture Resources.

Ellison, D., Morris, C. E., Locatelli, B., Sheil, D., Cohen, J., Murdiyarso, D., ... Sullivan, C. A. (2017). Trees, forests and water: Cool insights for a hot world. *Global Environmental Change*, 43, 51–61. <https://doi.org/10.1016/j.gloenvcha.2017.01.002>

Ewel, J. J. (1986). Designing agricultural ecosystems for the humid tropics. *Annual Review of Ecology and Systematics*, 17, 245–271.

Faber-Langendoen, D., & Josse, C. (2010). World Grasslands and Biodiversity Patterns: A Report to IUCN Ecosystem Management Programme. *Arlington: Nature Reserve*. 25p.

Feliciano et al. (2018). Which agroforestry options give the greatest soil and above ground carbon benefits in different world regions? *Agriculture, Ecosystems & Environment*, 254, 117–129.

Filho, E. de M. V. (2015). La productividad útil, la materia orgánica y el suelo en los primeros 10 años de edad en sistemas de producción de café a pleno sol y bajo varios tipos de sombra y niveles de insumos orgánicos y convencionales en Costa Rica. In F. Montangini (Ed.), *Sistemas Agroforestales: Funciones Productivas, Socioeconómicas y Ambientales*. Retrieved from

[https://www.researchgate.net/publication/273003069\\_LA\\_PRODUCTIVIDAD\\_UTIL\\_LA\\_MATERIA\\_ORGANICA\\_Y\\_EL\\_SUELO\\_EN\\_LOS\\_PRIMEROS\\_10\\_ANOS\\_DE\\_EDAD\\_EN\\_SISTEMAS\\_DE\\_PRODUCCION\\_DE\\_CAFE\\_A\\_PLENO\\_SOL\\_Y\\_BAJO\\_VARIOS\\_TIPOS\\_DE\\_SOMBRA\\_Y\\_NIVELES\\_DE\\_INSUMOS\\_ORGANICOS\\_Y\\_CONVEN](https://www.researchgate.net/publication/273003069_LA_PRODUCTIVIDAD_UTIL_LA_MATERIA_ORGANICA_Y_EL_SUELO_EN_LOS_PRIMEROS_10_ANOS_DE_EDAD_EN_SISTEMAS_DE_PRODUCCION_DE_CAFE_A_PLENO_SOL_Y_BAJO_VARIOS_TIPOS_DE_SOMBRA_Y_NIVELES_DE_INSUMOS_ORGANICOS_Y_CONVEN)

Garrity, D. P., Soekardi, M., van Noordwijk, M., de la Cruz, R., Pathak, P. S., Gunasena, H. P. M., ... Majid, N. M. (1996). The Imperata grasslands of tropical Asia: area, distribution, and typology. *Agroforestry Systems*, 36(1–3), 3–29. <https://doi.org/10.1007/BF00142865>

Gibbs, H. K., & Salmon, J. M. (2015). Mapping the world's degraded lands. *Applied Geography*, 57, 12–21. <https://doi.org/10.1016/j.apgeog.2014.11.024>

Ginoga, K., Wulan, C., Lugina, M., & Djaenudin, D. (2004). *Economic assessment of some agroforestry systems and its potential for C sequestration service in Indonesia*. Socio-Economic Forest Research & Development Center, Bogor.

Harvey, C. A., Chacón, M., Donatti, C. I., Garen, E., Hannah, L., Andrade, A., ... Wollenberg, E. (2014). Climate-Smart Landscapes: Opportunities and Challenges for Integrating Adaptation and Mitigation in Tropical Agriculture: Climate-smart landscapes. *Conservation Letters*, 7(2), 77–90. <https://doi.org/10.1111/conl.12066>

IFAD, & UNEP. (2013). *Smallholders, food security and the environment*. Retrieved from United Nations Environment Programme website:  
<https://www.ifad.org/documents/10180/666cac24-14b6-43c2-876d-9c2d1f01d5dd>

Jordan, N., Boody, G., Broussard, W., Glover, J. D., Keeney, D., McCown, B. H., ... Wyse, D. (2007). ENVIRONMENT: Sustainable Development of the Agricultural Bio-Economy. *Science*, 316(5831), 1570–1571. <https://doi.org/10.1126/science.1141700>

Jose, S. (2009). Agroforestry for ecosystem services and environmental benefits: an overview. *Agroforestry Systems*, 76(1), 1–10. <https://doi.org/10.1007/s10457-009-9229-7>

Koko, L. K., Snoeck, D., Lekadou, T. T., & Assiri, A. A. (2013). Cacao-fruit tree intercropping effects on cocoa yield, plant vigour and light interception in Côte d'Ivoire. *Agroforestry Systems*, 87(5), 1043–1052. <https://doi.org/10.1007/s10457-013-9619-8>

Kumar, B. M. (2006). Carbon sequestration potential of tropical homegardens. In *Tropical Homegardens* (pp. 185–204). Retrieved from [http://link.springer.com/content/pdf/10.1007/978-1-4020-4948-4\\_11.pdf](http://link.springer.com/content/pdf/10.1007/978-1-4020-4948-4_11.pdf)

Kumar, N. P. A., Khan, A. I. K. S., & Balakrishnan, V. (2019). Coffee, Climate and Biodiversity: Understanding the Carbon Stocks of the Shade Coffee Production System of India. In *Handbook of Climate Change and Biodiversity* (pp. 113–134). Springer.

Kumar, & Nair (Eds.). (2006). *Tropical Homegardens: A Time-Tested Example of Sustainable Forestry*. Springer.

Lal, R. (2014). Abating Climate Change and Feeding the World Through Soil Carbon Sequestration. In D. Dent (Ed.), *Soil as World Heritage* (pp. 443–457). [https://doi.org/10.1007/978-94-007-6187-2\\_47](https://doi.org/10.1007/978-94-007-6187-2_47)

Lasco. (2006). *2006 IPCC Guidelines for National Greenhouse Gas Inventories - Volume 5*.

Leakey, R. R. B. (2012). *Living with the trees of life: towards the transformation of tropical agriculture*. Wallingford, Oxfordshire, UK ; Cambridge, MA: CABI.

Leakey, R. R. B. (2013). Addressing the root causes of land degradation, food/nutritional insecurity and poverty: A new approach to agricultural intensification in the tropics and subtropics. In *Wake Up Before it Is Too Late: Make Agriculture Truly Sustainable Now for Food Security in a Changing Climate* (pp. 192–89). Retrieved from <http://permaculturenews.org/2013/12/05/addressing-the-causes-of-land-degradation-food-nutritional-insecurity-and-poverty-a-new-approach-to-agricultural-intensification-in-the-tropics-and-subtropics/>

Leakey, R. R. B. (2014). The Role of Trees in Agroecology and Sustainable Agriculture in the Tropics. *Annual Review of Phytopathology*, 52(1), 113–133. <https://doi.org/10.1146/annurev-phyto-102313-045838>

Liniger, H. (Ed.). (2007). *Where the land is greener: case studies and analysis of soil and water conservation initiatives worldwide*. Berne: WOCAT.

Lorenz, K., & Lal, R. (2018). *Carbon Sequestration in Agricultural Ecosystems*. <https://doi.org/10.1007/978-3-319-92318-5>

Lovell, S. T. (n.d.). *Multifunctional woody polyculture for sustainable food production*. Retrieved from <http://www.multipfunctionallandscape.com/Agroforestry4Food.html>.

Manner, H. (2015). Sustainable traditional agricultural systems of the Pacific Islands. In C. Elevich (Ed.), *Agroforestry Landscapes for Pacific Islands: Creating Abundant and Resilient Food Systems*. Holualoa, USA: Permanent Agriculture Resources.

Manner, Harley I. (1993). *A review of traditional agroforestry in Micronesia*. (No. Gen. Tech. Rep. PSW-GTR-140; pp. 32–36). Retrieved from Pacific Southwest Research Station, Forest Service, U.S. Department of Agriculture website:  
[https://www.fs.fed.us/psw/publications/documents/psw\\_gtr140/psw\\_gtr140\\_manner2.pdf](https://www.fs.fed.us/psw/publications/documents/psw_gtr140/psw_gtr140_manner2.pdf)

Mbow, C., Van Noordwijk, M., Luedeling, E., Neufeldt, H., Minang, P. A., & Kowero, G. (2014). Agroforestry solutions to address food security and climate change challenges in Africa. *Current Opinion in Environmental Sustainability*, 6, 61–67.  
<https://doi.org/10.1016/j.cosust.2013.10.014>

Miccolis, A., Vasconcelos, S. S., Castellani, D. C., Kato, O. R., Carvalho, W. R. D., & Silva, A. C. D. (2014, February 10). *Oil palm and agroforestry systems: Coupling yields with environmental services, an experiment in the Brazilian Amazon*. Presented at the World Congress on Agroforestry, Delhi, India. Retrieved from <http://www.slideshare.net/agroforestry/session-66-oil-palm-agroforestry-systems-brazilian-amazon>

Minnemeyer, S., Laestadius, L., Sizer, N., Saint-Laurent, C., & Potapov, P. (2011). *Bonn Challenge: A World of Opportunity*, 2011.

Montagnini, F. (2006). Homegardens of Mesoamerica: Biodiversity, food security, and nutrient management. In B. M. Kumar & P. K. R. Nair (Eds.), *Tropical Homegardens* (Vol. 3, pp. 61–84).  
[https://doi.org/10.1007/978-1-4020-4948-4\\_5](https://doi.org/10.1007/978-1-4020-4948-4_5)

Montagnini, F. (2015). Función de los sistemas agroforestales en la adaptación y mitigación del cambio climático. In *Sistemas Agroforestales: Funciones Productivas, Socioeconómicas y Ambientales* (pp. 269–298). Turrialba, Costa Rica: CATIE.

Montagnini, F., & Nair, P. K. R. (2004). Carbon sequestration: An underexploited environmental benefit of. *Agroforestry Systems*, 61–62(1–3), 281–295.  
<https://doi.org/10.1023/B:AGFO.0000029005.92691.79>

Nair. (2012). Climate Change Mitigation: A Low-Hanging Fruit of Agroforestry. In Nair & D. Garrity (Eds.), *Agroforestry - The Future of Global Land Use* (Vol. 9, pp. 31–67).  
[https://doi.org/10.1007/978-94-007-4676-3\\_7](https://doi.org/10.1007/978-94-007-4676-3_7)

Nair, Nair, V. D., Mohan Kumar, B., & Showalter, J. M. (2010). Carbon Sequestration in Agroforestry Systems. In *Advances in Agronomy* (Vol. 108, pp. 237–307).  
[https://doi.org/10.1016/S0065-2113\(10\)08005-3](https://doi.org/10.1016/S0065-2113(10)08005-3)

Nair, P. K. R. (1993). *An introduction to agroforestry*. Dordrecht ; Boston: Kluwer Academic Publishers in cooperation with International Centre for Research in Agroforestry.

Nair, P. K. R. (2006). Whither Homegardens? In B. M. Kumar & P. K. R. Nair (Eds.), *Tropical Homegardens* (Vol. 3, pp. 355–370). [https://doi.org/10.1007/978-1-4020-4948-4\\_20](https://doi.org/10.1007/978-1-4020-4948-4_20)

Nair, P. R., & Nair, V. D. (2014). ‘Solid–fluid–gas’: the state of knowledge on carbon-sequestration potential of agroforestry systems in Africa. *Current Opinion in Environmental Sustainability*, 6, 22–27. <https://doi.org/10.1016/j.cosust.2013.07.014>

Nijmeijer, A., Lauri, P.-É., Harmand, J.-M., & Saj, S. (2018). Carbon dynamics in cocoa agroforestry systems in Central Cameroon: afforestation of savannah as a sequestration opportunity. *Agroforestry Systems*. <https://doi.org/10.1007/s10457-017-0182-6>

Nunoo, I., & Owusu, V. (2017). Comparative analysis on financial viability of cocoa agroforestry systems in Ghana. *Environment, Development and Sustainability*, 19(1), 83–98. <https://doi.org/10.1007/s10668-015-9733-z>

Ohler, J. G. (Ed.). (1999). *Modern coconut management: palm cultivation and products*. London: Intermediate Technology Publications.

Pumariño, L., Sileshi, G. W., Gripenberg, S., Kaartinen, R., Barrios, E., Muchane, M. N., ... Jonsson, M. (2015). Effects of agroforestry on pest, disease and weed control: A meta-analysis. *Basic and Applied Ecology*, 16(7), 573–582. <https://doi.org/10.1016/j.baae.2015.08.006>

Rapidel, B. (2015). Efectos ecológicos y productivos del asocio de árboles de sombra con café en sistemas agroforestales. In *Sistemas Agroforestales: Funciones Productivas, Socioeconómicas y Ambientales* (pp. 5–20). Turrialba, Costa Rica: CATIE.

Smith, P. D., Martino, Z., Cai, D., & Gwary, H. (2007). Agriculture. In B. Metz (Ed.), *Climate change 2007: mitigation of climate change: contribution of Working Group III to the Fourth assessment report of the Intergovernmental Panel on Climate Change*. Retrieved from <http://www.ipcc.ch/pdf/assessment-report/ar4/wg3/ar4-wg3-chapter8.pdf>

Toensmeier, E. (2016). *The carbon farming solution: a global toolkit of perennial crops and regenerative agriculture practices for climate change mitigation and food security*. White River Junction, Vermont: Chelsea Green Publishing.

Toensmeier, E. (2017). Perennial Staple Crops and Agroforestry for Climate Change Mitigation. In Florencia Montagnini (Ed.), *Integrating Landscapes: Agroforestry for Biodiversity Conservation and Food Sovereignty* (Vol. 12, pp. 439–451). [https://doi.org/10.1007/978-3-319-69371-2\\_18](https://doi.org/10.1007/978-3-319-69371-2_18)

Tscharntke, T., Clough, Y., Bhagwat, S. A., Buchori, D., Faust, H., Hertel, D., ... Wanger, T. C. (2011). Multifunctional shade-tree management in tropical agroforestry landscapes - a review: Multifunctional shade-tree management. *Journal of Applied Ecology*, 48(3), 619–629. <https://doi.org/10.1111/j.1365-2664.2010.01939.x>

Udwatta, R. P., & Jose, S. (2011). Carbon Sequestration Potential of Agroforestry Practices in Temperate North America. In B. Mohan Kumar & P. K. R. Nair (Eds.), *Carbon Sequestration Potential of Agroforestry Systems* (Vol. 8, pp. 17–42). [https://doi.org/10.1007/978-94-007-1630-8\\_2](https://doi.org/10.1007/978-94-007-1630-8_2)

UN Climate Summit. (2014). New York Declaration on Forests. *United Nations, New York, NY*. Retrieved from  
<http://www.greenbeltmovement.org/sites/greenbeltmovement.org/files/Forests%20Declaration%20Text.pdf>

UNCCD. (2017). *Global Land Outlook* [First Edition]. Bonn, Germany: United National Convention to Combat Desertification.

UNFCCC. (2014). New York Declaration on Forests. *United Nations, New York, NY*. Retrieved from  
<http://www.greenbeltmovement.org/sites/greenbeltmovement.org/files/Forests%20Declaration%20Text.pdf>

USDA. (n.d.). *COMET-Planner tool online: Carbon and Greenhouse Gas Evaluation for NRCS Conservation Practice Planning*. Retrieved from <http://www.comet-planner.com/>.

Van Noordwijk, M., Lawson, G., Hairiah, K., & Wilson, J. (2015). Root distribution of trees and crops: competition and/or complementarity. In C. K. Ong, C. R. Black, & J. Wilson (Eds.), *Tree-crop interactions: agroforestry in a changing climate* (2nd ed., pp. 221–257).  
<https://doi.org/10.1079/9781780645117.0221>

Wibawa, G., Joshi, L., Noordwijk, M. V., & Penot, E. A. (2006). *Rubber-based agroforestry systems (RAS) as alternatives for rubber monoculture system*. Presented at the IRRDB annual conference, Ho-chi-minh city, Vietnam. Retrieved from [https://halshs.archives-ouvertes.fr/file/index/docid/137596/filename/Rubber\\_based\\_Agroforestry\\_Systems\\_IRRDB\\_Vietnam\\_2006.pdf](https://halshs.archives-ouvertes.fr/file/index/docid/137596/filename/Rubber_based_Agroforestry_Systems_IRRDB_Vietnam_2006.pdf)

Wojtkowski, P. A. (1999). *The theory and practice of agroforestry design*. Plymouth: Science.

Young, A. (1989). *Agroforestry for soil conservation*. In *Science and Practice of Agroforestry: Vol. 4*. Wallingford, Oxon, U.K: C.A.B. International ; International Council for Research in Agroforestry.

Zomer, R. J., Trabucco, A., Coe, R., & Place, F. (2009). *Trees on Farm: Analysis of Global Extent and Geographic Patterns of Agroforestry* (No. ICRAF Working Paper no. 89). Retrieved from World Agroforestry Centre website:  
[http://www.worldagroforestry.org/sites/default/files/WP89\\_text\\_only.pdf](http://www.worldagroforestry.org/sites/default/files/WP89_text_only.pdf)