

## **Ronald S. Revord, Ph.D.**

Assistant Research Professor, the Center for Agroforestry  
The University of Missouri, School of Natural Resources  
303Q ABNR Natural Resources Building, Columbia, Missouri 65211  
Phone: 573-882-9421; Email: r.revord@missouri.edu

---

### **Education**

Ph.D. in the Department of Crop Sciences, the University of Illinois at Urbana-Champaign (Aug. 2019)

M.S. in the Department of Natural Resources and Environmental Sciences, the University of Illinois at Urbana-Champaign (Jan. 2016)

B.S. in Molecular and Cellular Biology in the Department of Biological Sciences, the University of Illinois at Urbana-Champaign (May 2012)

### **Professional Appointments**

Assistant Research Professor	–	June 2019 to Present
Ball Horticulture Doctoral Fellow	–	Aug. 2018 to June 2019
Doctoral Research Assistant	–	Jan. 2016 to June 2019

### **Membership in Professional Organization**

International Society for Horticulture Science; American Society for Horticulture Science; Northern Nut Growers Association; Hybrid Hazelnut Consortium.

### **Publications**

#### ***Doctoral thesis***

*Towards the exploitation of the American hazelnut (Corylus americana).*

#### ***Refereed publications***

1. Revord, R. S., Lovell, S. T., Brown, P., Capik, J., & Molnar, T. J. 2020. Using genotyping-by-sequencing derived SNPs to examine the genetic structure and identify a core set of *Corylus americana* germplasm. *Tree Genetics & Genomes*, 16(5), 1-11. DOI: <https://doi.org/10.1007/s11295-020-01462-y>
2. Revord, R. S., Lovell, S. T., Capik, J. M., Mehlenbacher, S. A., Molnar, T. J. 2020. Eastern Filbert Blight Resistance in American and Interspecific Hybrid Hazelnuts. *Journal of the American Society for Horticultural Science*, 145(3), 162-173. DOI: <https://doi.org/10.21273/JASHS04732-19>
3. Revord, R., Lovell, S., Molnar, T., Wolz, K. J., Mattia, C. 2019. Germplasm development of underutilized temperate US tree crops. *Sustainability*, 11(6), 1546. DOI: 10.3390/su11061546
4. Wolz, K.J., DeLucia, E.H., Branham, B.E., Eddy, W.C., Keeley, K., Revord, R.S., Wander, M.M., Yang W.H., Lovell, S.T. 2018. Frontiers in alley cropping: transformative solutions for temperate agriculture. *Global Change Biology* 24, 883-894. DOI: 10.1111/gcb.13986
5. Lovell, S.T., Dupraz, C., Gold, M., Jose, S., Revord, R.S., Stanek, E., Wolz, K.J. 2017. Temperate agroforestry research: considering multifunctional woody polycultures and the design of long-term field trials. *Agroforestry Systems*, pp.1-19. DOI: 10.1007/s10457-017-

**Book chapter**

1. Lovell, S.T., Revord, R.S., Stanek, E. 2021. “Agroforestry integration and multifunctional landscape planning for enhanced ecosystem services from treed habitats.” In: Agroforestry Placement in the Watershed. Editors: Udawatta, R. and Jose, S. (*In press*).

**Acta Horticulturae (International Society for horticultural Science) publications:**

1. Molnar, T.J., J.A. Honig, A. Mayberry, R.S. Revord, S.T. Lovell, S.A. Mehlenbacher, and J.M. Capik. 2018. *Corylus americana*: a valuable genetic resource for developing hazelnuts adapted to the eastern United States. Acta Hort. 1226:115-122. DOI: <https://doi.org/10.17660/ActaHortic.2018.1226.16>

**Published abstracts and presentations**

1. Revord, R.S., Lovell, S.T., Molnar, T.J., Mehlenbacher, S.A. 2019. Studies of genetic structure and genetic resistance to eastern filbert blight in *Corylus americana*. 110<sup>th</sup> Northern Nut Growers Association Conference. Iowa City, Iowa. June 2019.
2. Revord, R.S., Lovell, S.T., Molnar, T.J., Wolz, K.J. Agroforestry for food in the U.S. Corn Belt: key aspect of tree crop improvement to enable novel systems. The European Agroforestry Conference. Nijmegen, Netherlands. May 2018.
3. Molnar, T., Capik, J., Mayberry, A., Revord, R.S., Lovell, S.T., Mehlenbacher, S., Farrar, D., Clare, A., Josiah, S. 2017. The hybrid hazelnut consortium's wild American hazelnut (*Corylus americana*) germplasm collection: establishment, evaluation, and utilization. International Congress on Hazelnut. Samsun, Turkey. August 2017.
4. Wolz, K.J., Branham, B., Guest, J., Paulson, N., Revord, R.S., Wander, M., Yang, W., Lovell, S.T. 2016. New Alley cropping trial in the Midwestern US with multi-layer nut and fruit tree rows. 3rd European Agroforestry Conference, Montpellier, France. Contributed Talk.
5. Wolz, K.J., Lovell, S.T., Revord, R.S., DeLucia, E.H. 2015. Diverse agroforestry systems as both restoration and agriculture: a meta-analysis and a new long-term research site. Oral Presentation. 99<sup>th</sup> Ecological Society of America. Baltimore, MD. August 2015.
6. Revord, R.S., Lovell, S.T., Wander, M.W., Wolz, K.J. 2015. Multifunctional woody polyculture—a new research direction for the University of Illinois. 106<sup>th</sup> Northern Nut Growers Association Conference. LaCrosse, Wisconsin. June 2015.
7. Revord, R.S., Molnar, T.J., Wander, M.W. 2015. The improvement of selection tools for applied hazelnut breeding at the University of Illinois. 106<sup>th</sup> Northern Nut Growers Association Conference. LaCrosse, Wisconsin. June 2015.
8. Revord, R.S., Lovell, S.T., Wander, M.W., Wolz, K.J. 2015. A plan to broaden Midwestern agroforestry via tree crops and multifunctional woody polyculture. 14<sup>th</sup> North American Agroforestry. Ames, Iowa. June 2015.
9. Revord, R.S., Wander, M.W., Molnar, T.J. 2014. Effects of indole-3-butyric acid, silver nitrate, and management on the rooting and stimulation of active growth of hybrid hazelnuts (*Corylus americana* x *C. avellana*) stem cuttings. 2014 American Society for Horticulture Science. Orlando, Florida. July 2014.

**Grants and Awards**

1. Revord, R.S (PI), Gold, M., Romero-Severson, J. Participatory chestnut breeding – establishing a participant network to characterize genetic diversity and ancestry of superior on-farm

germplasm. United States Department of Agriculture – Agriculture Marketing Service. 2020-2023. \$923,155.

2. Revord, R. (PI). MO Dept. of Conservation. Tree Improvement Program. Jan. 2020 – June 2020. \$18,895.65.
3. Revord, R. (PI). MO Dept. of Conservation. Tree Improvement Program. July 2020 – June 2021. \$33,000.00.
4. Revord, R.S. Ball Horticulture Graduate Fellowship. Department of Crop Sciences. 2018-2019.
5. Lovell, S.T. Utilizing the hazelnut breeding of recent decades to quickly establish Illinois hazelnut breeding and cultivars. Illinois Specialty Crop Block Grant Program. 2016-2018. \$97,661 [Co-author].
6. Lovell, S.T., Paulson, N., Guest, J., Yang, W., Wander, M., Branham, B. Multifunctional woody polyculture for sustainable food production. Institute for Sustainability, Energy, and Environment (iSEE) at University of Illinois, 2014-2017. Direct funds: \$400,000. [\$190,00 to Lovell; Co-author with Lovell]
7. Revord, R.S. AYRE International Research and Learning Scholarship, College of ACES, University of Illinois. 2015. \$2,350.
8. Revord, R.S. Agroecology and Sustainable Agriculture Program (ASAP) Scholar, University of Illinois. 2012. A two years research assistantship (50%).