



Truffle trouble: Field inoculation of pecan (*Carya illinoensis*) with the native, edible pecan truffle (*Tuber lyonii*)

Arthur Grupe, Friday, August 28, 2020

3:00 – 4:00 PM, Zoom Virtual meeting room

Presentation: Truffle fungi are esteemed for their aromatic and culinary qualities, which has led to them being among the most widely cultivated ectomycorrhizal fungi. Interest in co-cropping truffles and a compatible, economic nut-tree has spurred researchers to investigate practical and economical methods for providing growers with truffle-inoculated nut-trees. Our research investigated the potential for inoculating pecan (*Carya illinoensis*) seedlings in Georgia, U.S.A. with the native, edible pecan truffle (*Tuber lyonii*). Our results demonstrate successful methods that are complimentary to traditional pecan growing practices, for inoculating pecan seedlings in a commercial nursery setting. Additionally, we documented successional changes in the ectomycorrhizal community over the course of our 5-year experiments. While the pecan truffle is not yet widely cultivated, our results provide insight for future large-scale cultivation of this fungus.

About the speaker: Arthur is a Post-doctoral researcher in the lab of Dr. Alisha Quandt at the University of Colorado, Boulder. He specializes in the ecology and evolutionary history of fungal symbioses, including mutualistic and pathogenic relationships with plants and insects



Seminar information: This seminar will be help virtually via Zoom. To log into the seminar please use the following web link:

<https://zoom.us/j/94667395095?pwd=VWFiMTg2MVdCWVhxbXp2bnROcjdZz09>