

Curious about the impacts of soil health management practices on soil carbon and soil physical properties? **Join our study!**



Objectives

We want to better understand how multiple vineyard management practices, such as cover cropping, applying compost and biochar, grazing, and no-till, impact soil physical and chemical properties. We are interested in these practices on their own as well as in combination with each other.

Our questions

What is the impact of soil health management practice adoption, from few to many practices implemented, on:

1. soil physical properties, including compaction, erodibility, water infiltration, and water retention?
2. total soil organic carbon and soil carbon stability?

What we're looking for

- Vineyard blocks located within Napa County, CA
- Any soil management practices are eligible, since we'll be comparing few or no soil health management practices adopted to multiple practices implemented
- At least three years of using the same management practices within the block we'll be sampling

What we provide

- No cost to participate: we provide all the soil sampling equipment and collect the samples ourselves
- Data for your vineyard block on soil physical properties and total soil organic carbon
- Opportunities to engage with outreach and extension events



Who we are

We're a team of researchers at UC Davis with expertise in soil health and sustainable agricultural management:

- Dr. Cristina Lazcano
- Dr. Amélie Gaudin
- Dr. Mallika Nocco
- Dr. Nall Moonilall
- Sarah Brickman
- Charlie Reis

Would you like to participate? Have questions or ideas? Please contact Sarah Brickman at sbrickman@ucdavis.edu