



Washington

Regional objectives: *High disturbance; Nutrient management*

Production systems: *Organic basil in high tunnels & organic grain*

Biochar producers: [Myno Biochar](#) & [Olympic Biochar](#)

High-disturbance agricultural systems producing specialty crops are common in western Washington. Farms in these production systems can struggle to build soil health due to reliance on tillage and other high disturbance events to manage weed pressure and prepare soils for planting. Locally available biochar produced from wood feedstocks can offer a solution by improving soil organic carbon, aggregate stability, soil structure, water and nutrient cycling, and yield. Biochar may also facilitate the success of other soil health practices in degraded soils.

There are two trials in western Washington, both taking place on certified organic farms. The trials were established in Spring 2025. Biochar was applied to three plots on each farm, while three other plots did not receive a biochar application. The effect of this one application of biochar will be tracked over three growing seasons to determine the soil health and economic impacts of biochar application.

Questions? Contact State Lead:

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