



SUSTAINABLE PEACH ORCHARD SOIL MICROBIOME MANAGEMENT TO CONTROL REPLANT DISEASE

Western SARE Research and Education

A research-extension-producer team approach to identify peach RD etiology, evaluate alternative sustainable strategies of management and impact farmer decision.

OBJ
3

EDUCATION & OUTREACH

Materials: scientific articles, factsheets, videos & website

Dissemination: locally, regionally, nationally & globally

Activities: grower meetings, seasonal workshops, field days, webinars & on-farm trial tours



ROOTSTOCKS

TREATMENTS:

Peach rootstocks: 7 *Prunus* hybrids ✓

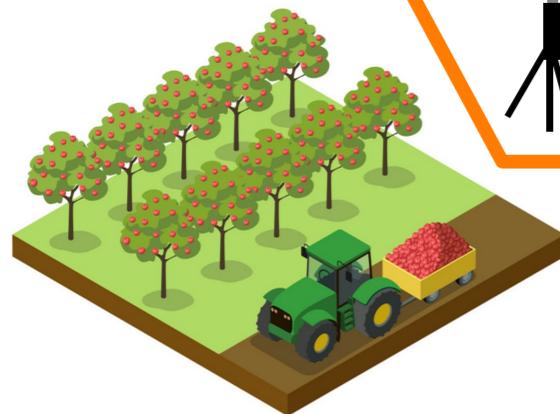
Soil types: replant & sterilized

DATA COLLECTION:

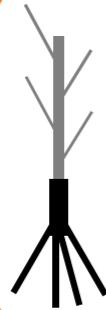
✓ Peach rootstocks growth

✓ Rhizosphere soil microbiome profiling

OBJ
2



ON-FARM
(CO)



PGPRs & COVER/ROTATION CROPS

TREATMENTS:

Cover crops: alfalfa & fescue

Rotation crops: corn & tomato

Soil types: replant & sterilized

DATA COLLECTION:

✓ Susceptible peach seedlings growth

✓ Rhizosphere soil microbiome profiling

OBJ
1



GREENHOUSE