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# SOIL CONDUCTIVITY *versus* INFILTRATION

## on a 6,000 Acre Almond Farm

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### materials and methods:

A new quad-phase (conductivity) and in-phase (susceptibility) conductivity meter was used to evaluate soil salinity that is exacerbating infiltration problems on a large corporate almond/pistachio farm. Initial measurements indicate the use of such a meter may be of value in evaluating some soil constituents for precision management on an extremely large farm in the Central Valley of California. We are also comparing this instrument to a new dual-band microwave sensor of our own design.