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Publication Date

2006

Center for Embedded Networked Sensing

AMARSS: Automated minirhizotron coupled with continuous monitoring of soil CO₂

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Spatial and temporal variation in root growth and soil CO₂ flux: **Research questions:** ·Hyphae turnover and space and time. • Which are the proper spatial and temporal scales to measure: a) 50 mycorrhizae turnover; b) soil respiration; c) soil moisture and soil • Does increasing the number of sensors provide more meaningful information? Node B • Soil CO₂ flux variati · How does aboveground processes relate with belowground processes (integration of NIMS with AMARSS)

Automated Minirhizotron and Arrayed Rhizosphere Soil Sensors (AMARSS):

