

Plant Cell Entry Zone

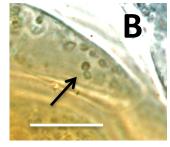
Microbes become intracellular in meristem cells as wall-less protoplasts.

meristem

Microbe Exit Zone

Microbes stimulate elongation of root hairs and exit at the tips of hairs where walls are thin. Microbes reform cell walls once outside root hair.

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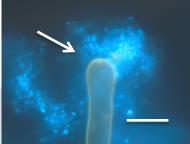


Bacteria (arrow) in root parenchyma cell near root tip meristem.

Microbes Exit Root Hairs Exhausted of Nutrients Nutrients Extracted from Microbes By Reactive Oxygen Produced by NOX on Root Cell Plasma Membranes

RHIZOPHAGY CYCLE

Microbes Recharge with Nutrients in the Rhizosphere



Bacteria (arrow) emerging from root hair tip of millet seedling.



