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Conclusion 3

- Pioneer roots that are thick when born are intended to become framework roots and are not involved directly in water and nutrient acquisition
- The small fibrous roots are the primarily roots involved in water and nutrient acquisition. They are short, high in N, metabolically active, ephemeral and often colonized by mycorrhizal fungi.

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Root distribution and irrigation

- Work done in Summerland, BC in sandy soils with Gala apples on M.9 rootstock.
- Trees were either mulched or not
- Trees were irrigated only sufficient to meet 50% of daily evapotranspiration or fully irrigated

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