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## Soil food web

## Per gram of soil

• Bacteria: 1 billion

• Fungi: 200 m hyphae

• **Protozoa**: 10,000

• Nematodes: 30

• **Arthropods**: 50,000

• Fungal: Bacterial Ratio Balance

• F:B R influences plant community growth, optimal ratio varies between annual, perennial and woody (trees)

Dix, N.J. & Webster, J. (1995) Fungal Ecology. Chapman and Hall.

## Tree-soil health signs



















