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Organism	Estimated number per g	Estimated biomass of species (kg/ha)
Bacteria	$10^8 - 10^9$	400-5000
Actinomycetes	$10^7 - 10^8$	400-5000
Fungi	$10^{5} - 10^{6}$	1,000-15,000
Algae	$10^4 - 10^5$	10-500
Protozoa	$10^4 - 10^5$	20-200
Nematodes	$10 - 10^2$	10-150
Mites	1-10	5-150
Collembola	1-10	5-150
Earthworms	$10 - 10^3  \text{per m}^2$	3,000 (in BC)













## Biologically mediated<br/>transformations in the N cycle:Input:Biological fixation of N2Transformation:Mineralization / Immobilization<br/>(of organic additions)

Loss:

Gaseous losses via denitrification

21