WHY WE NEED HEALTHY, LIVING SOILS

Increases in

CO2 levels are
creating junk-food
plants as levels of
carbohydrates
rise4

'Accelerated'
soil erosion can
result in desertification, loss of
nutrients, reduced
crop yield, and
water pollution³

Monocultures
can reduce
biodiversity; crop
yield and soil
nutrient
levels7

Use of
pesticides and
other chemicals
damages beneficial
microbes in the soil in
a similar way to
antibiotics in
humans'

Fewer

nutrients in the
soil affects the
health of plants and
in turn human
health

Loss of organic matter reduces soil nutrients and water holding leading to poor plant growth, reduced biodiversity and increased soil erosion 8

Loss of microbes

affects plants' abilities to defend themselves against pests and diseases and communicate with other plants², the

Synthetic fertilisers (e.g. NPK) can damage the composition of soil microbial communities and interfere with nutrient uptake, communication and resilience¹

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