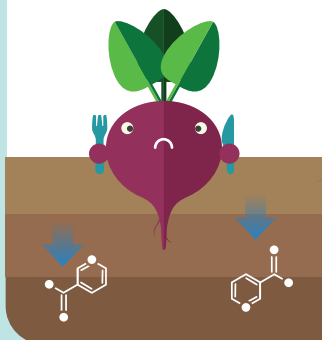


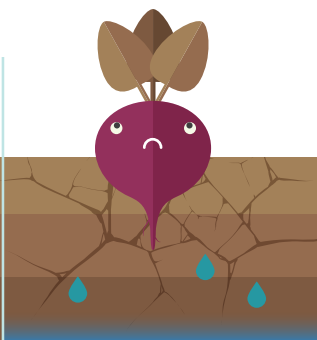
## CHALLENGES RELATED TO ORGANIC MATTER IN SOILS

### NUTRIENT LOSS



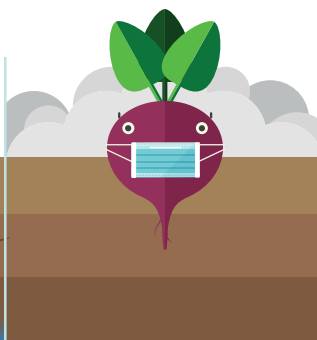
### POOR SOIL STRUCTURE

- air and water for plant roots and soil organisms
- water retention

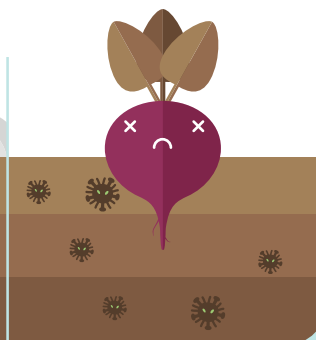


### FAST DECOMPOSITION

- CO<sub>2</sub> emissions

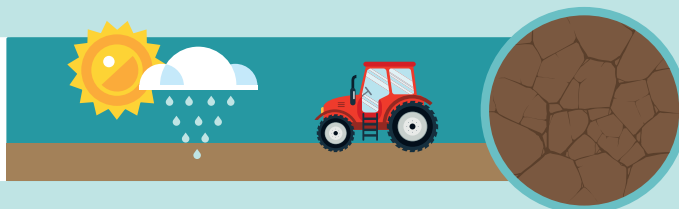


### SOIL-BORNE DISEASES



### SPECIFIC CHALLENGES IN MEDITERRANEAN REGIONS

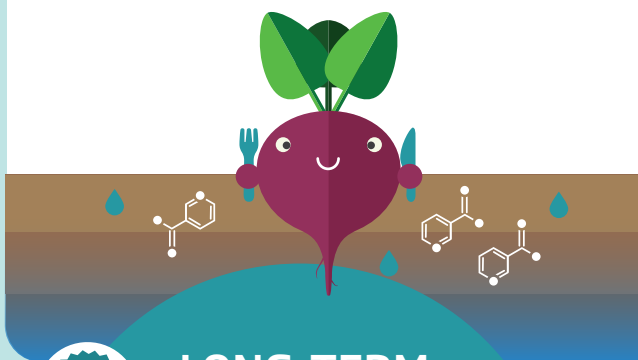
- Loss of soil organic matter (rainfall patterns - soil erosion - drought)
- Low soil organic matter content (soil types)



## IMPROVING SOIL ORGANIC MATTER

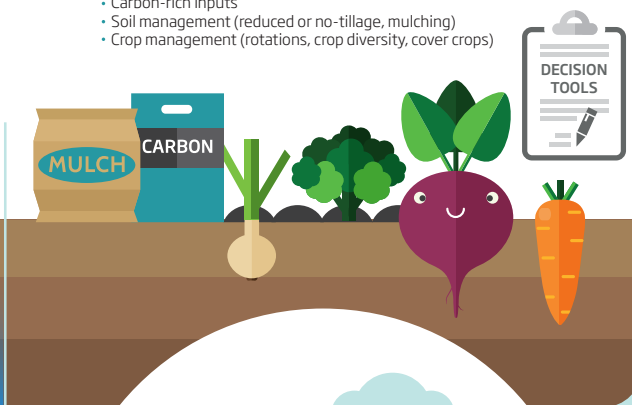
### DECREASE LOSS OF ORGANIC MATTER

- Prevent and fight against fast decomposition, leaching and erosion



### INCREASE SOIL ORGANIC MATTER CONTENT

- Carbon-rich inputs
- Soil management (reduced or no-tillage, mulching)
- Crop management (rotations, crop diversity, cover crops)



### LONG-TERM BENEFITS

- HIGH-QUALITY SOIL
- SOIL HEALTH
- CLIMATE CHANGE BENEFITS
- FINANCIAL & YIELD BENEFITS

