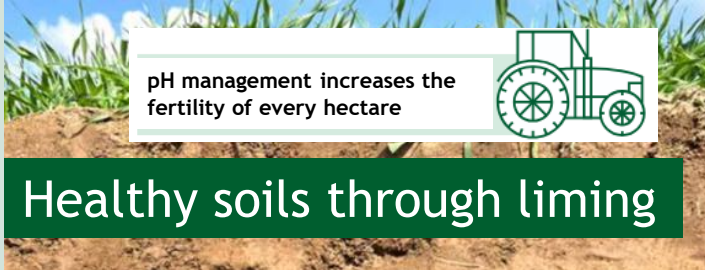


Minimal soil disturbance: Utilize regeneration time of soil

Minimal disturbance and targeted pH-management allow the natural regeneration of the soil to strengthen structure, soil fertility and resilience.



The importance of soil health:

- Liming improves soil structure, water absorption and nutrient availability
- The pH adjustment promotes active soil life and humus formation
- Healthy soil are more resistant to drought and heavy rainfall
- A balanced supply of basic nutrients is the basis for climate stable soils

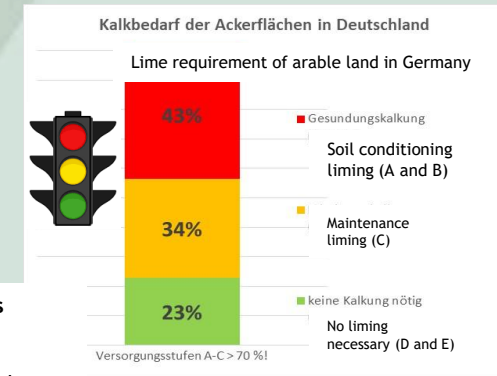
Challenges:

- Increasing extreme weather conditions (drought, heavy rainfall) require optimal soil management
- Slow drainage leads to structural damage and compaction
- Extensive tillage systems often fail due to incorrect management



Over 70% of arable land in Germany requires liming (supply levels A to C)

This means that over 8 million hectares of arable land should be limed approximately every three years, depending on the location - [Lime management](#)



Natural Lime for resilience to climate change - soil, climate, water
=> [Link for details](#)

Important steps in minimum tillage:

Importance of optimal supply, especially in the topsoil.
Regular, targeted supply of lime is essential.

=> [See here for details](#)

- 1 Regular soil analyses (VDLUFA position)
 - 2 Selection of lime fertilizer: Quality, neutralisation value, reactivity as well as regional availability and application technology.
 - 3 Application rate according to analysis results (calcium and magnesium content)
 - 4 Liming management and application time: take weather and soil conditions into account!
- Lime calculator
<https://naturkalk.de/kalkrechner/>

