

SOIL FOOD

**Business opportunities in the
circular economy: recycling
nutrients, sequestering carbon
and improving soil quality.**

Eljas Jokinen, CEO

CARBON FOOTPRINT OF NITROGEN FERTILIZERS

**In 2017, 11.6 million tonnes of nitrogen
fertilizer was used in EU agriculture**

**Greenhouse emissions
of ammonium nitrate
production and use
9,14 CO₂-eq/t N**



106 Mt CO₂

The UN FAO has calculated that we have about 60 years of harvests left.



**SOIL
FOOD**

Source: <http://www.fao.org/soils-2015/events/detail/en/c/338738/>

**IMPORTED FERTILIZER
PRODUCTS' SHARE
OF EU CONSUMPTION**

N 30 %

P 71 %

K 73 %



THREE MAIN EUROPEAN
ORGANIC SIDESTREAMS
CONTAINS

10-13 Mt N
2,5 Mt P



We need to change our mindset about how to produce food.

And when we do this, we are making positive impact which gives us following benefits:

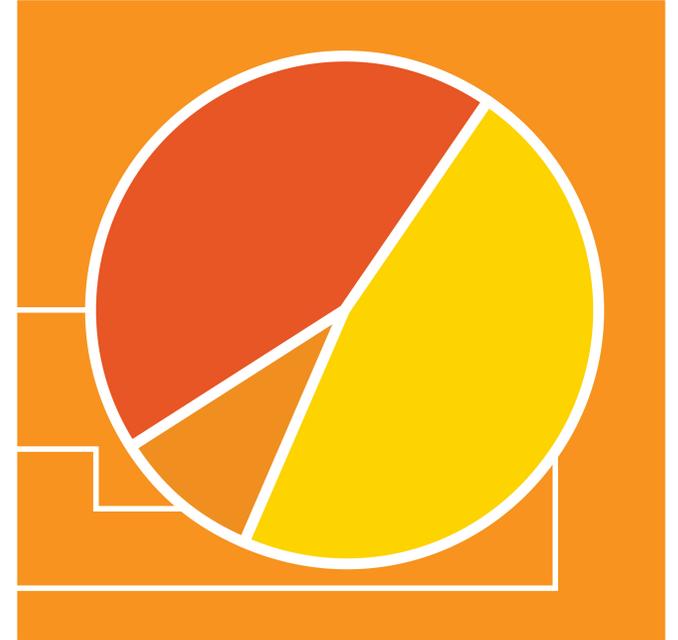
- Agriculture can move into carbon negativity
- Europe is no longer dependent from imported inputs
- We will receive enormous agronomical benefits
- We will increase well-being and farming income
- We will make global difference
- We can create new, ecological business opportunities all over Europe

FIELD APPLIED SOILFOOD PRODUCTS '18

Fibrous soil amendment products
59 231 t

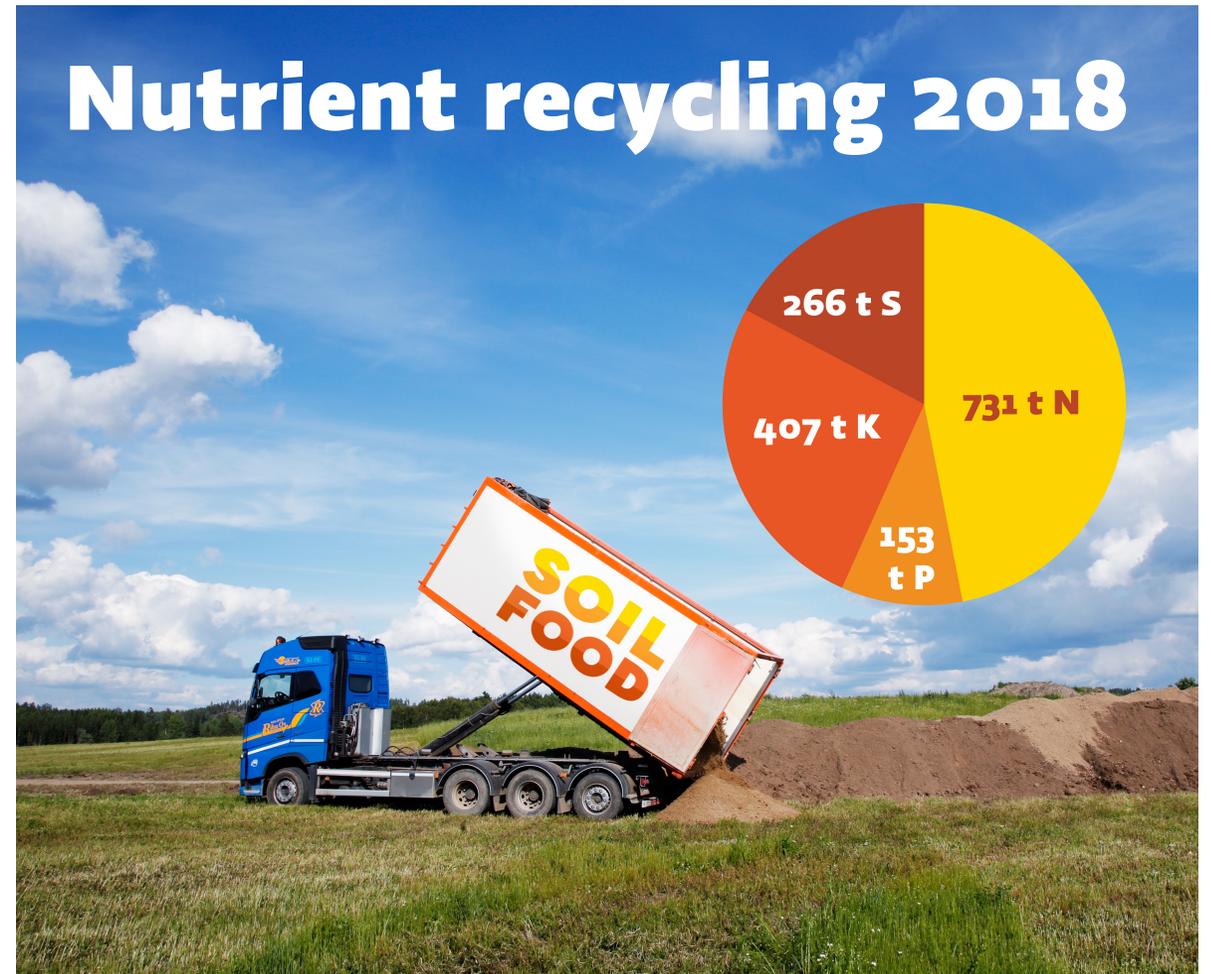
Recycled limes
21 468 t

Recycled fertilizers
63 036 t



And actually... We are doing it already in Finland

- Soilfood offers a wide range of cost-effective, operational and ecological services for the industry to deal with side streams, ie waste
- From these side streams we produce agronomically high-value fertilizers and soil improvers, which we deliver to farmers with total service, including everything from fertilization plan to field application



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Thank you!

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