



Water-efficiency in Agriculture

Remediation of salty soils

Holistic and sustainable concepts for
future agriculture

Introduction



Mr. F.J.C. Peters

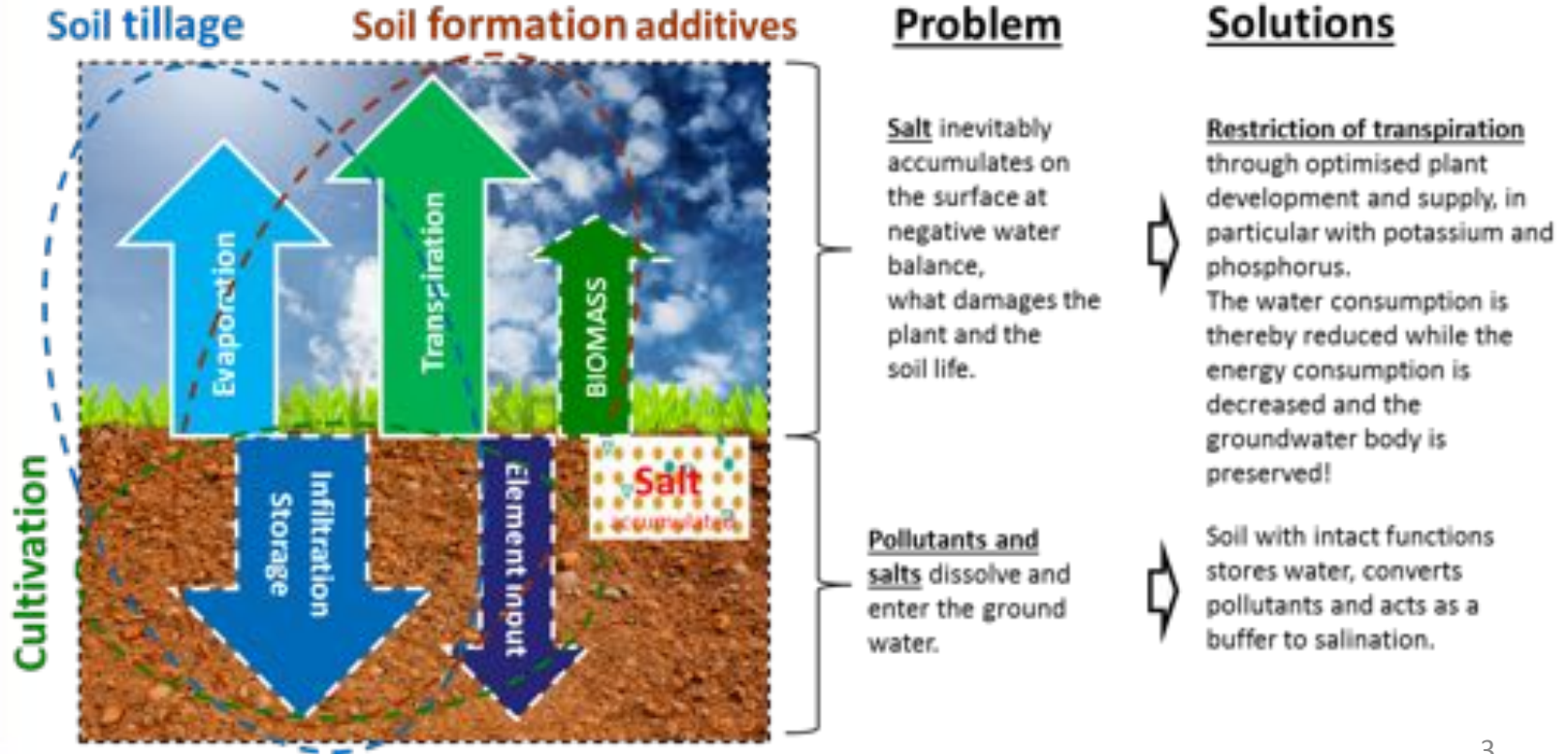
- Managing Director of Imants BV and Imants USA



Dr. Agr. Heiner Hoogen

- Senior consultant of Imants BV, Hoogen and Partner

Soil-salinity is a typical problem of arid regions often more water is been used than needed



Reduction of water consumption!

Research in collaboration with scientific institutes worldwide

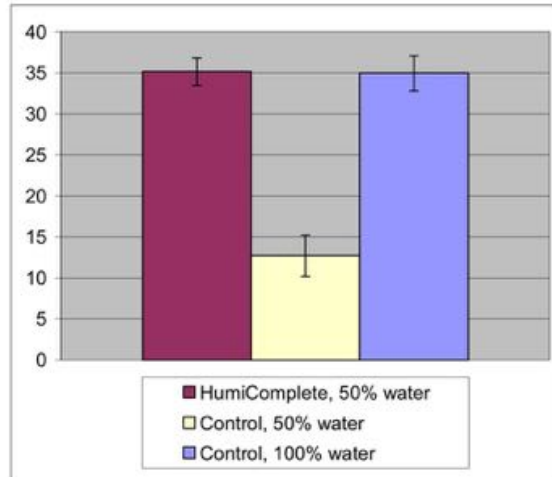
Water saving potential

Tested Product: **HumiComplete®**

Trial plant: Gras (*Festuca rubra*)

Location: Greenhouse

Reference: (2007) Research Project BAtrOS,
Hoogen Bodensanierung GmbH



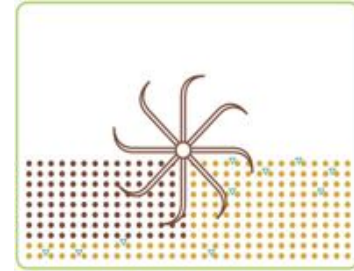
Degraded salty soils can be remediated We have the solution

Soil with high salinity in different horizons

Top soil with high salinity will be removed with innovative machines.

Soil that is damaged by soil-compaction

We loosen, decompact or mix the soil with very powerful special techniques



Innovative process for humus-enrichment

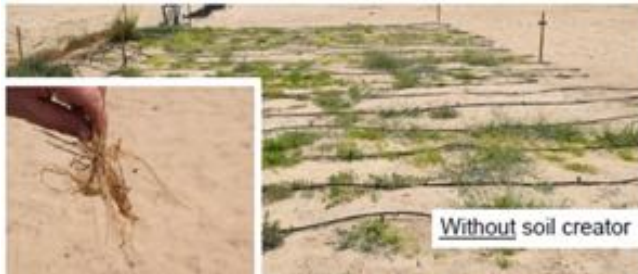


The organic soil auxiliaries are applied on the soil or the plants as required and incorporated into the root depth. They bind salts, store water and nutrients and stimulate the soil life. They also release nutrients through mineralization.

Our products helps the soil to regain its natural functions!

Soil-desalination and soil-additives

synergic effects



Root space / floor

The presented example shows the alfalfa plant on a very dry and extremely salty and chalky part of the desert near Abu Dhabi.



Holistic solutions = reduced water-consumption = agricultural land use all over the world!

Degraded salty soils can be remediated.

The operation of agricultural projects in a holistic way is possible, even in extremely arid climates of this world!

It makes a valuable contribution to the world's population.

These projects can be implemented very economically with **valuable ecological** effects and great **social benefits** in the long term.

The costs of rehabilitation

Land is not reproducible

Around
1,00 till 5,00 €/m²



Marginally small
compared



To the costs of water
consumption



The purchase of agricultural
products



No investment in foreign
countries land/soil anymore

imants



Digging the future

Questions

Visit our **booth A29** here at the GFIA

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Thank you for your attention

