Beter Bodem Beheer met Garnalen?

Gerard Korthals

Kollummerwaard 7-7-2016

WAGENINGEN UR
For quality of life

Centre for Soil Ecology

NIOO

ISRIC

2015
International
Year of Soils

Kenmerken CSE

- Sterk in integratie van kennis
- Brugfunctie tussen praktijk en wetenschap
- Excellent netwerk en faciliteiten
- Unieke kans voor samenwerking!

Centre for Soil Ecology

NIOO | Centre for Soil Ecology (CSE) | WAGENINGEN UR For quality of life

Korthals, G.W. and E.P. Brinkman

Centre for Soil Ecology

Pella Brinkman

Gerard Korthals

Soil ecology is the basis for life and a fast developing field of science!

The Centre for Soil Ecology (CSE) is a virtual cooperation between Wageningen University (WUR Environmental Science group and Plant Science group) and the Netherlands Institute of Ecology (NIOO-KNAW).

CSE wants to stimulate interactions between soil ecologists, to promote research opportunities and to cooperate with private companies and other stake holders.

'CSE on Tour' visits PPO Vredepeel

CSE activities

- Multidisciplinary project proposals
- Dissemination events: Workshops and symposia
- Scientific meetings:
  - 28 - 30 April 2015: 'Multitrophic Interactions in Soil', Living Soils Conference, Wageningen, The Netherlands
  - 21 - 24 June 2015: 'Rhizosphere 4' conference, Maastricht, The Netherlands
  - 23 – 26 August 2015: 'Wageningen Conference on Soil Science', The Netherlands

Course: Identification of terrestrial and freshwater nematodes

Themes

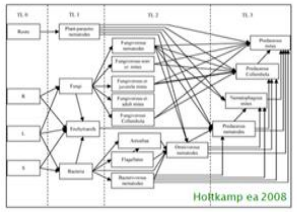
Soil health

Molecular laboratory

Soil quality

Soil organisms

Organic farming systems



Soil biodiversity

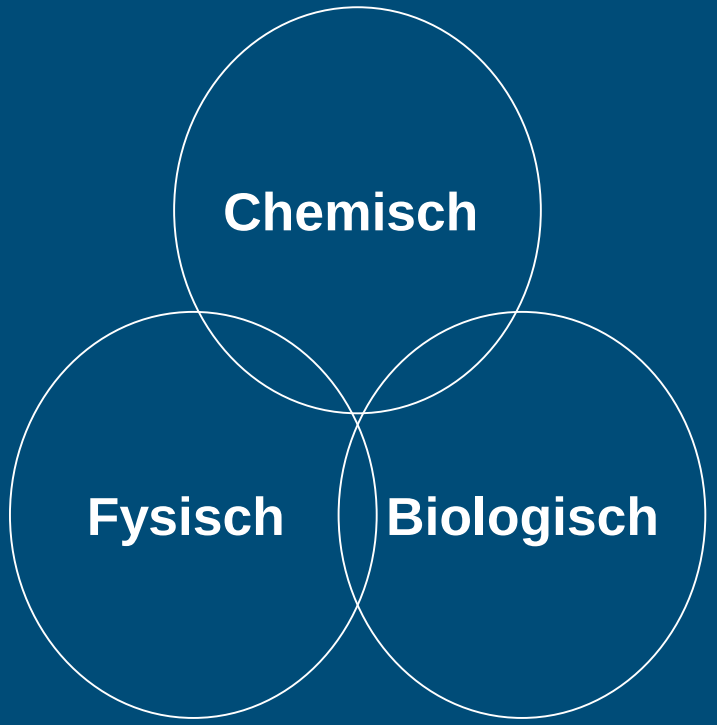
Nature restoration: soil transplantation

Virtual cooperation between WUR and NIOO-KNAW

The Netherlands Institute of Ecology (NIOO-KNAW) | The NIOO-KNAW is one of the largest institutes of the Royal Netherlands Academy of Arts and Sciences | Wageningen, The Netherlands
www.soilecology.eu – g.korthals@nioo.knaw.nl

Bodemecologie:

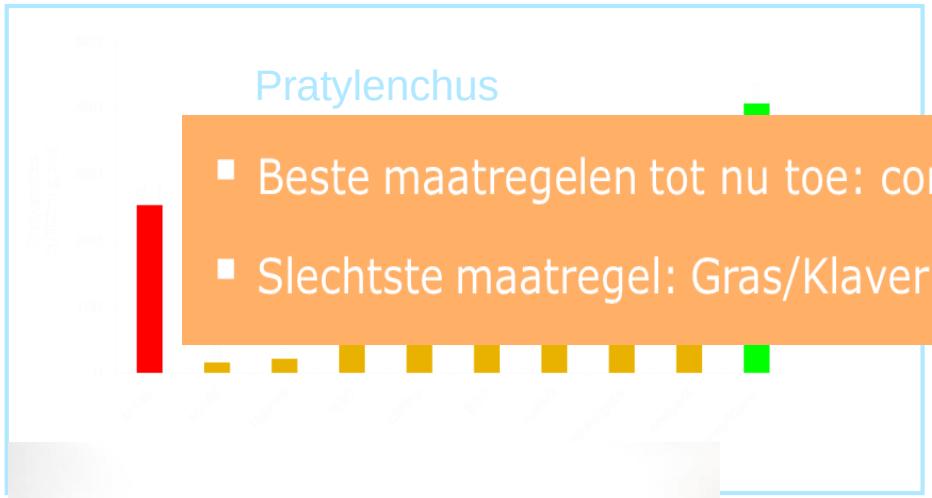
- De biologische wetenschap die zich bezighoudt met de bestudering van de relaties tussen organismen (inclusief planten) en het milieu in de bodem

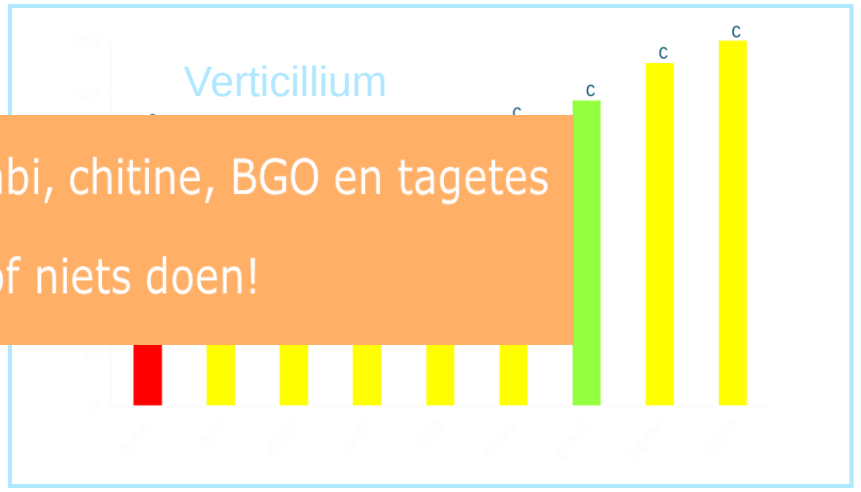


Duurzaam bodembeheer met behoud Agrarische produktie-functie

Onderzoek aan maatregelen (OS, groenbemesters, grondbewerking etc.) en meetmethodieken (aaltjes, biotoets, gewas, moleculair etc.)

Begin eens met een handje grond: duizenden soorten,
Net zo veel bacterie-cellen als mensen op aarde,
honderd meter schimmeldraad. Deze organismen zijn allemaal aan het werk voor de kwaliteit van ons leven.

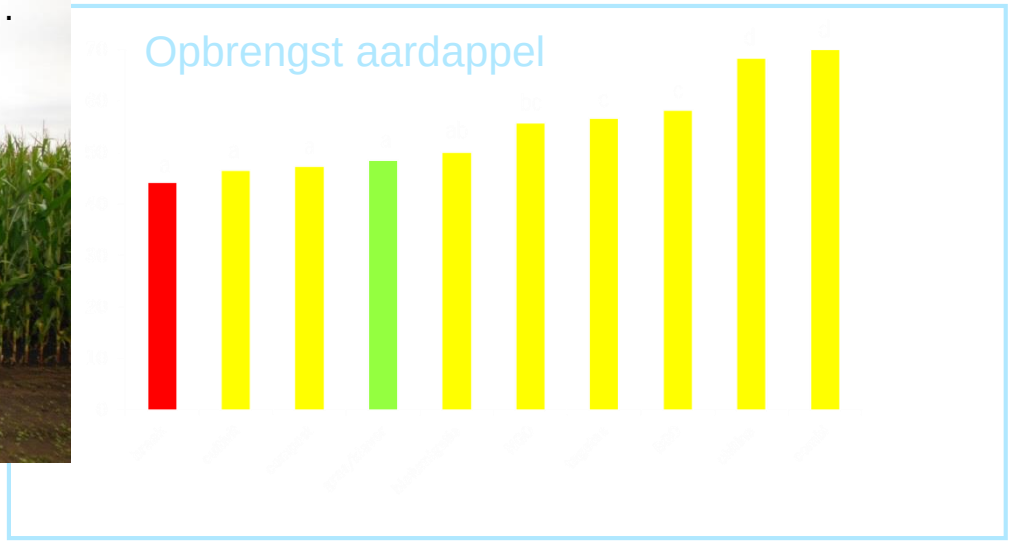




- Beste maatregelen tot nu toe: combi, chitine, BGO en tagetes
- Slechtste maatregel: Gras/Klaver of niets doen!

Combi

Onbeh .
(braak)



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Aardappel 2010

PRAKTIJKONDERZOEK
PLANT & OMGEVING
WAGENINGEN UR