

Title of Paper Subtitle Presenter Name		OK-Net Arable online knowledge platform Ilse A. Rasmussen, ICROFS, Denmark		

19th IFOAM ORGANIC WORLD CONGRESS (OWC) – 2017

9-11 November 2017, India Expo Centre and Mart, Greater Noida, India



OK-Net Arable online knowledge platform

I. A. Rasmussen; A. L. Jensen; M. S. Jørgensen; H. Kristensen; M. Conder; C. Micheloni & B. Moeskops



EIP-AGRI Focus Group Organic Farming Optimising Arable Yields



- Poor soil fertility management
- Inadequate nutrient supply
- Insufficient weed management
- Pest and disease pressure
- Variety choice.



farmknowledge.org



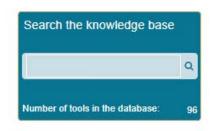
DISCUSSION

VIDEOS

COURSES

ABOUT

OK-Net Arable - exchange knowledge, enhance farming









Browse the knowledge base in one of the five theme

























ABOUT



NET

Suggest a tool

Crop rotation and its ability to suppress perennial weeds

Preventive control of perennial weeds through weed-suppressing crop rotation

Leaflets

and guidelines



Related content from Organic Eprints More about the tool on Organic Eprints

Link to the tool (Danish)

Give your rating to the tool:

Average rating to the tool: 0.0 Number of ratings to the tool: 0

Problem

The problem of perennial weeds in organic arable farming

Solution

A well-designed crop rotation system is the key to preventive control of perennial weeds.

Description

Weed-suppressing crop rotations are essential for sustainable organic arable farming. Preventing spread of perennial weeds will increase crop yields and quality. The tool is a factsheet created for all organic farmers as we all need renewed knowledge on weed-suppression and crop rotation from time to time. The factsheet provides practical recommendations on crop selection and composition of crop.



Applicability

Theme

Soil quality and fertility, Weed management, Crop specific

Languages

Danish language

Show more information

HJEM

SØG

DISKUSSION

VIDEOER

KURSER

OM



Leaflets

and guidelines

Tilbage

Foreslå et værktøj

Sædskifte og dens evne til at undertrykke rodukrudt

Forebyggende bekæmpelse af flerårigt ukrudt gennem ukrudt-undertrykkende vekseldrift



Relateret indhold fra Organic Eprints Link til mere information

Link til værktøjet (Dansk)

Giv din bedømmelse af værktøjet:



Gennemsnitlig bedømmelse af værktøjet: 0,0 Antal bedømmelser af værktøjet: 0

Problem

Problemet med rodukrudt i økologisk planteavl

Løsning

Et godt designet vekseldrift er nøglen til forebyggende bekæmpelse af flerårigt ukrudt.

Beskrivelse

Weed-undertrykke sædskifter er afgørende for en bæredygtig økologisk planteavl. Forebyggelse spredning af rodukrudt vil øge høstudbytte og kvalitet. Værktøjet er et faktablad skabt for alle økologiske landmænd, som vi alle har brug for fornyet viden om ukrudt-undertrykkelse og sædskifte









home about browse search latest help

Login | Create Account

Crop rotation and its ability to suppress perennial weeds

{Tool} Crop rotation and its ability to suppress perennial weeds. [Sædskifter.] Creator(s): Askegaard, Margrethe. Issuing Organisation(s): SEGES. (2016)



PDF - Danish/Dansk (Sædskifter) 3MB



Image (PNG) - Cover Image - English 128kB

Online at: https://www.landbrugsinfo.dk/Oekologi/Planteavl/Filer/saedskifter_fakta.pdf

Summary

Weed-suppressing crop rotations are essential for sustainable organic arable farming. Preventing spread of perennial weeds will increase crop yields and quality.

The tool is a factsheet created for all organic farmers as we all need renewed knowledge on weed-suppression and crop rotation from time to time.

The factsheet provides practical recommendations on crop selection and composition of crop rotations in accordance to weed competitiveness and nitrogen demand. An appr combination of crops and green manures, designed specifically for the conditions and needs of individual fields, prevents spread of perennial weeds. The factsheet doesn't on prevention but also provides recommendations in case of high weed pressure. Example: Do not sow a winter crop after legumes, as winter crops leave perennial weeds undisperiod of time. Instead, undersow a cover crop in the legumes to hold back the nutrients and sow a competitive crop in spring.

Crop rotation and its ability to suppress perennial v



Related content from Organic Eprints

More about the tool on Organic Eprints

Practice abstracts

Link to the tool (English)

Give your rating to the tool:



Average rating to the tool: 4.0 Number of ratings to the tool: 1

Problem

Perennial weeds like thistle and couch-grass hinder growth and yields of ara-ble crops. Without a proper focus on perennial weeds (through a good crop rotation system) organic arable cropping systems may not manage for more than 6 years without facing major weed problems.

Solution

Crop rotation is a key tool for preventive control of perennial weeds in arable farming. Weedsuppressing rotations include an appropriate percentage of competitive crops and green manu-res. Selection of the right crops and their proper management are important for successful weed prevention.

Description

Applicability

Theme

Soil quality and fertility, Weed manageme

Languages

English language

Show more information



farmknowledge.org

Practical recommendation

Basic rules

- Implement green manures, such as clover or lucerne, in at least 20 % of the rotation.
- Do not grow more than 50 % of cereals with low weed competitiveness in the rotation. Do not cultivate such crops for more than 2 consecutive years.
- In fields with prevalent high weed pressure cultivate only crops with high weed competitiveness.

Crop selection and composition of crop rotation

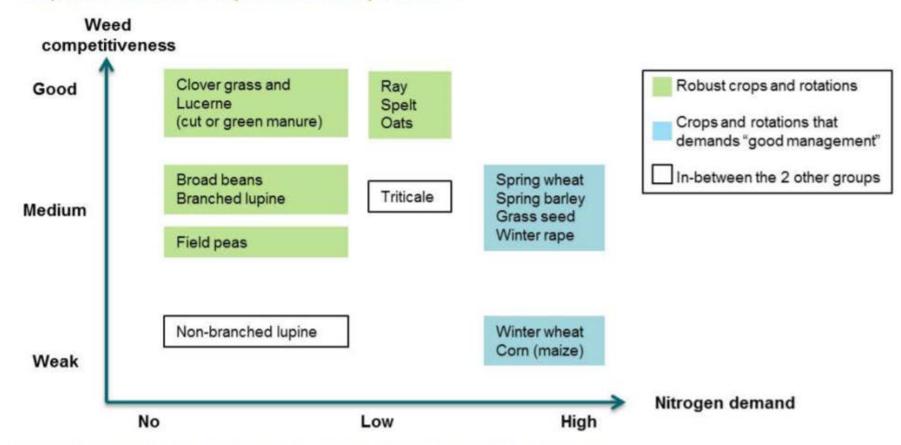


Figure 1: Crop selection in accordance to weed competitiveness and nitrogen demand

farmknowledge.org

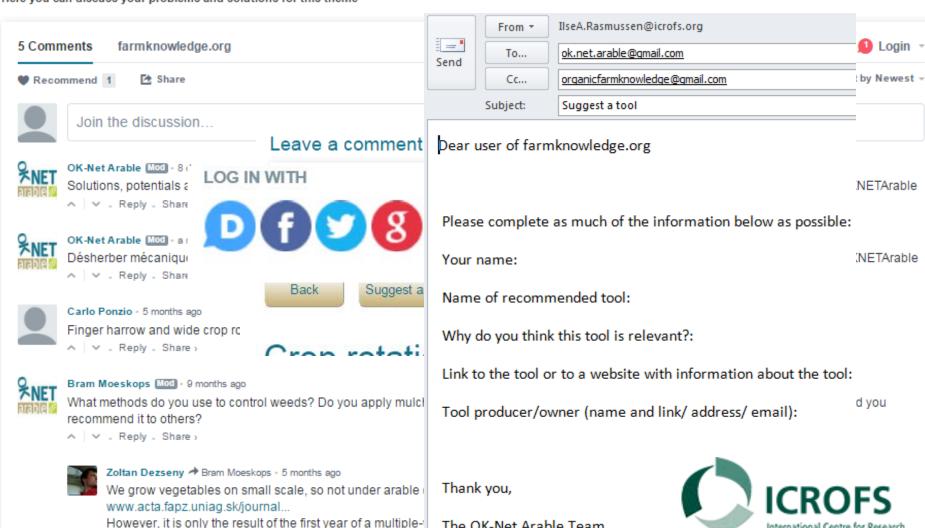


in Organic Food Systems

Discussion forum

Here you can discuss your problems and solutions for this theme

∧ ∨ . Reply . Share >



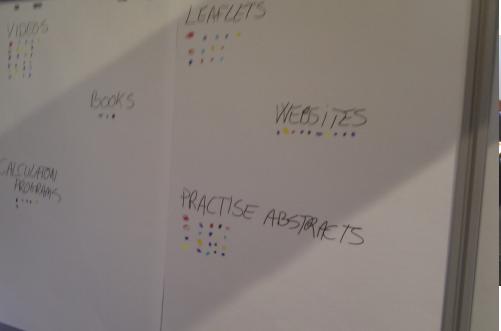
The OK-Net Arable Team

Farmer groups discuss and evaluate tools **NET**











farmknowledge.org



Farmknowledge.org

- knowledge platform of OK-Net Arable

Developed by ICROFS/AU

- Allan Leck Jensen
- Ilse A. Rasmussen
- Margit Styrbæk Jørgensen
- Helene Kristensen
- Dennis Christensen



About Organic Knowledge Network Arable (OK-Net Arable)

If you are involved in organic arable farming, the information and knowledge exchange on this site can help you in your daily work.

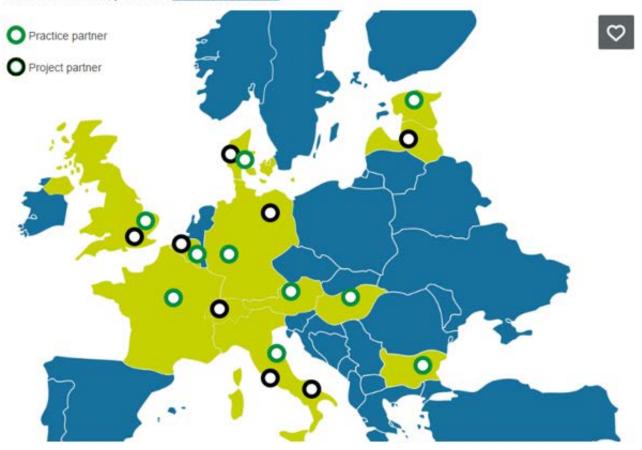
The OK-Net Arable platform provides access to a wide range of tools and resources that can help improve production, and a virtual meeting place for cross-border learning.

The OK-Net Arable knowledge platform promotes exchange of knowledge among farmers, farm advisers, and scientists, with the aim of increasing productivity and quality in organic arable cropping across Europe

It is the web-based platform for the OK-Net Arable project, which is coordinated by IFOAM EU, and involves 17 partners from 12 European countries, shown below on the map.

The project is financed by Horizon 2020, the EU's main funding instrument for research and innovation.

For more information, please visit www.ok-net-arable.eu.





farmknowledge.org

More information



in Organic Food Systems

Contact: Bram.Moeskops@ifoam-eu.org

Visit: <u>www.ok-net-arable.eu</u>

Visit: http://farmknowledge.org/

Visit: www.orgprints.org



OK-Net Arable has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 652654.

This communication only reflects the author's view. The Research Executive Agency responsible for any use that may be made of the information provided.



Ilse A. Rasmussen, ICROFS, Denmark Ilsea.Rasmussen@icrofs.org, +4551779512

