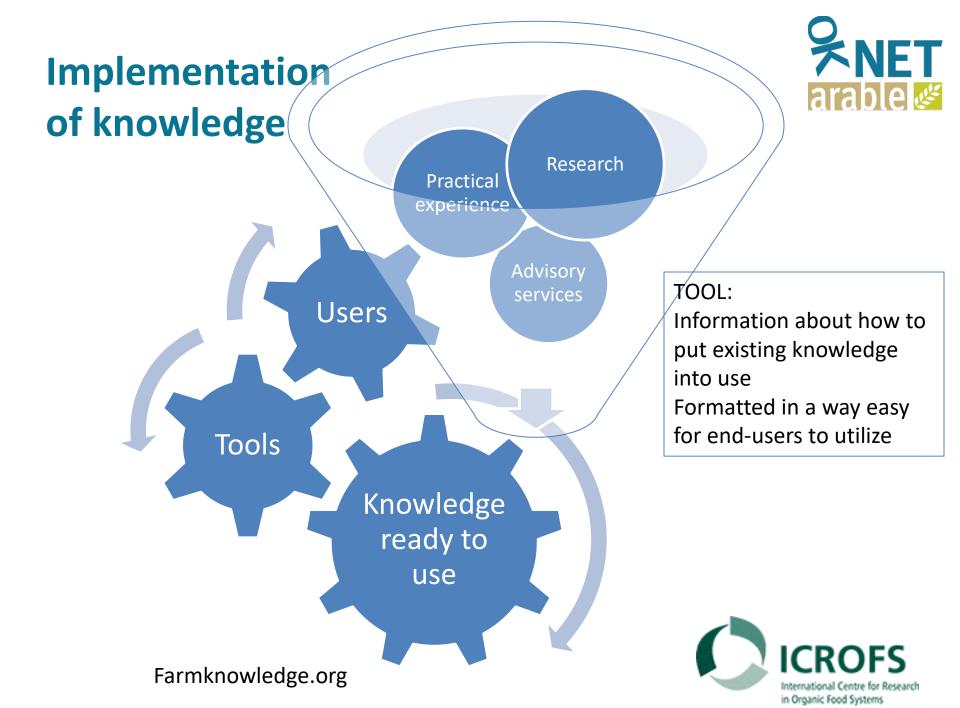


OK-Net Arable online knowledge platform

Ilse A. Rasmussen; Allan Leck Jensen; Margit Styrbæk Jørgensen; Helene Kristensen & Bram Moeskops



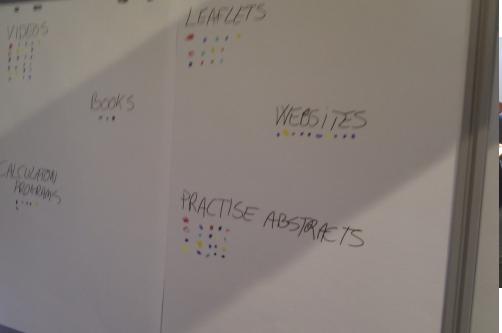


Farmer groups discuss and evaluate tools **NET**











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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.



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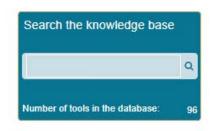
DISCUSSION

VIDEOS

COURSES

ABOUT

OK-Net Arable - exchange knowledge, enhance farming









Browse the knowledge base in one of the five theme

























Soil quality and fertility



Sustainable crop production is dependent on maintaining and improving soil quality and fertility, which are dependent on organic matter in the soil and its impact on the soil's chemical, biological and physical proper Organic matter is the source of life for the immense variety of soil microbes and soil fauna that make nutrical available and build soil structure. Therefore, crop rotations should always include a phase that allows orgain the soil to build up i.e. through incorporating perennial grass-clover leys or catch crops during autumn a To protect soil life, the input of nutrients via manure, crop residues or other fertilisers should be well-balan Compaction by heavy machinery should be avoided for the same reason.

On this page, you can find tools and resources to help you improve soil quality and fertility, and you can discuss the topic with others.

Tools

This weeks recommended tool

Aerated compost tea (ACT) to improve soil biology and to ac...



There is a growing body of evidence supporting the benefits of aerated compost tea (ACT) application, but not all studies have shown this conclusively. Compost tea application helps build healthy soils which

Most popular tool

Visual soil assessment: field guide for croppir



Visual assessments provide diagnostic tool to evaluate many physical, biological (a degree chemical) soil chara up as visual characteristic



ABOUT

Danish language

Show more information



NET

Suggest a tool

Crop rotation and its ability to suppress perennial weeds

Preventive control of perennial weeds through weed-suppressing crop rotation



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.







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

Anvendelsesområde

Tema

Jordkvalitet og frugtbarhed, Ukrudtsbekæmpelse, Afgrødespecifik

Sprog

dansk sprog

Vis mere information





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Crop rotation and its ability to suppres

{Tool} Crop rotation and its ability to suppress perennial weeds. [Sædskifter.] Creator(s): A



PDF - Danish/Dansk (Sædskifter) 3MB

Online at: https://www.landbrugsinfo.dk/Oekologi/Plante

Summary

Weed-suppressing crop rotations are essential for sustainable organic arable farming. Preventing spread of per The tool is a factsheet created for all organic farmers as we all need renewed knowledge on weed-suppression. The factsheet provides practical recommendations on crop selection and composition of crop rotations in accombination of crops and green manures, designed specifically for the conditions and needs of individual fields prevention but also provides recommendations in case of high weed pressure. Example: Do not sow a winter of period of time. Instead, undersow a cover crop in the legumes to hold back the nutrients and sow a competitive



Crop rotation and its ability to suppress perennial v



Related content from Organic Eprints

More about the tool on Organic Eprints

Link to the tool (English)



Give your rating to the tool:

女女女女女

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 management Languages English language Show more information



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

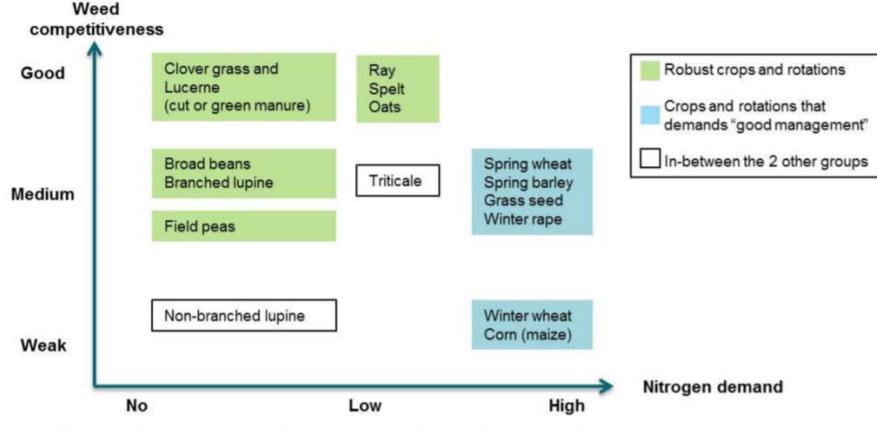


Figure 1: Crop selection in accordance to weed competitiveness and nitrogen demand

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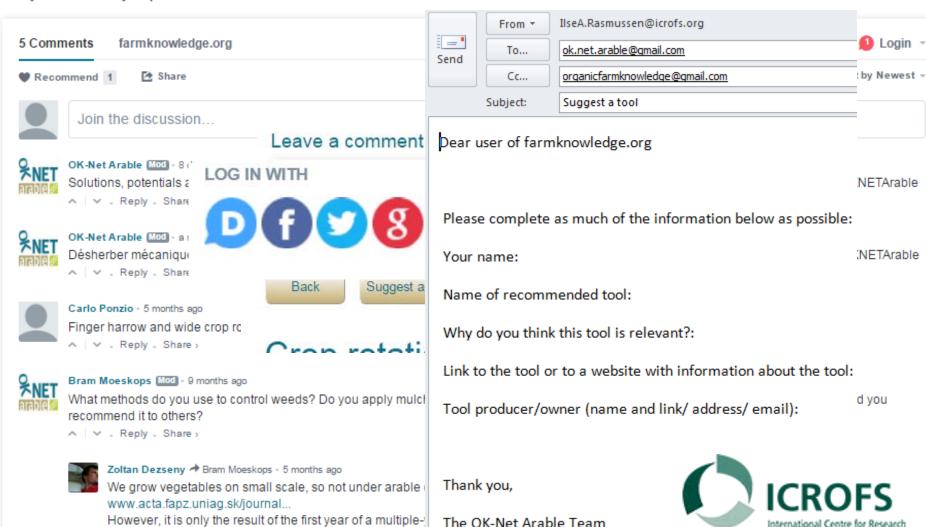


in Organic Food Systems

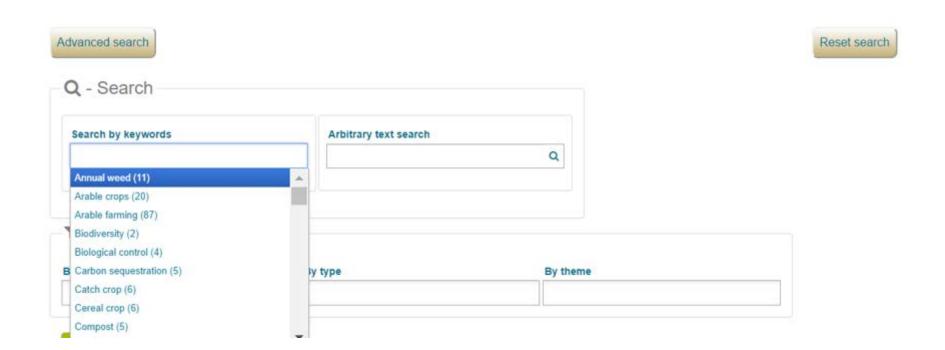
Discussion forum

Here you can discuss your problems and solutions for this theme

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Video gallery





BASE-ABC, a group of French applying conservation agricult 3:42



Le réseau RotAB: sites expéri biologiques (OK-Net Arable & 1:43



Presentation of RotAB Network
organic farming (OK-Net Arab



Dialogue between Belgian and farmers in the OK-Net Arable 6:06

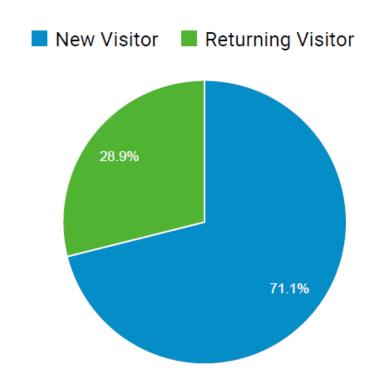


BASE-ABC, a group of French applying conservation agricult 3:35

Statistics



- > 670 visitors/month
- > 300 pageviews/month
- > > 50 % English
- > 10 % German
- > 6 % Italian
- > < 5 % each of other languages (Dutch, Danish, French, Czech)





Farmknowledge.org

- knowledge platform of OK-Net Arable

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More information



in Organic Food Systems

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- Visit: www.ok-net-arable.eu
- Visit http://farmknowledge.org/



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