

# Bondens Universitet

”Det ekologiska lantbrukets roll i  
klimatfrågan - Lätt att göra rätt!”

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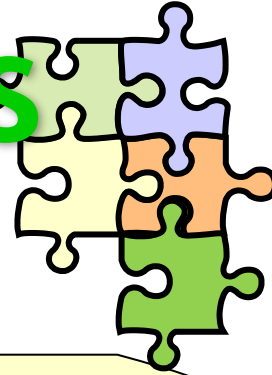


# Handböcker

För lantbrukare och  
rådgivare

Gratis nedladdning:  
[www.beras.eu](http://www.beras.eu)

# Box of guidelines



Printed and online version

## Farming guidelines

- Introduction/ Background
- Soil fertility
- Crop rotation
- Legumes
- Manure
- Animal husb.
- Plant protection
- Phosphorus
- Farm coop.

80

## Economic guidelines

- To look after your house
- How to build a new house
- Access and plan the necessary changes
- Investment in housing etc.
- Farm economy
- .....

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## Marketing guidelines

- Analysis initial status
- Strategy of promotion and marketing
- Selection of media and channels
- Recommended marketing tools
- Examples of ERA

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## Book of farm examples

- SE Wijnand, Hermann
- FI Leena
- EE Airi
- PL Justyna, Alexander
- GE Karin
- DE Henning

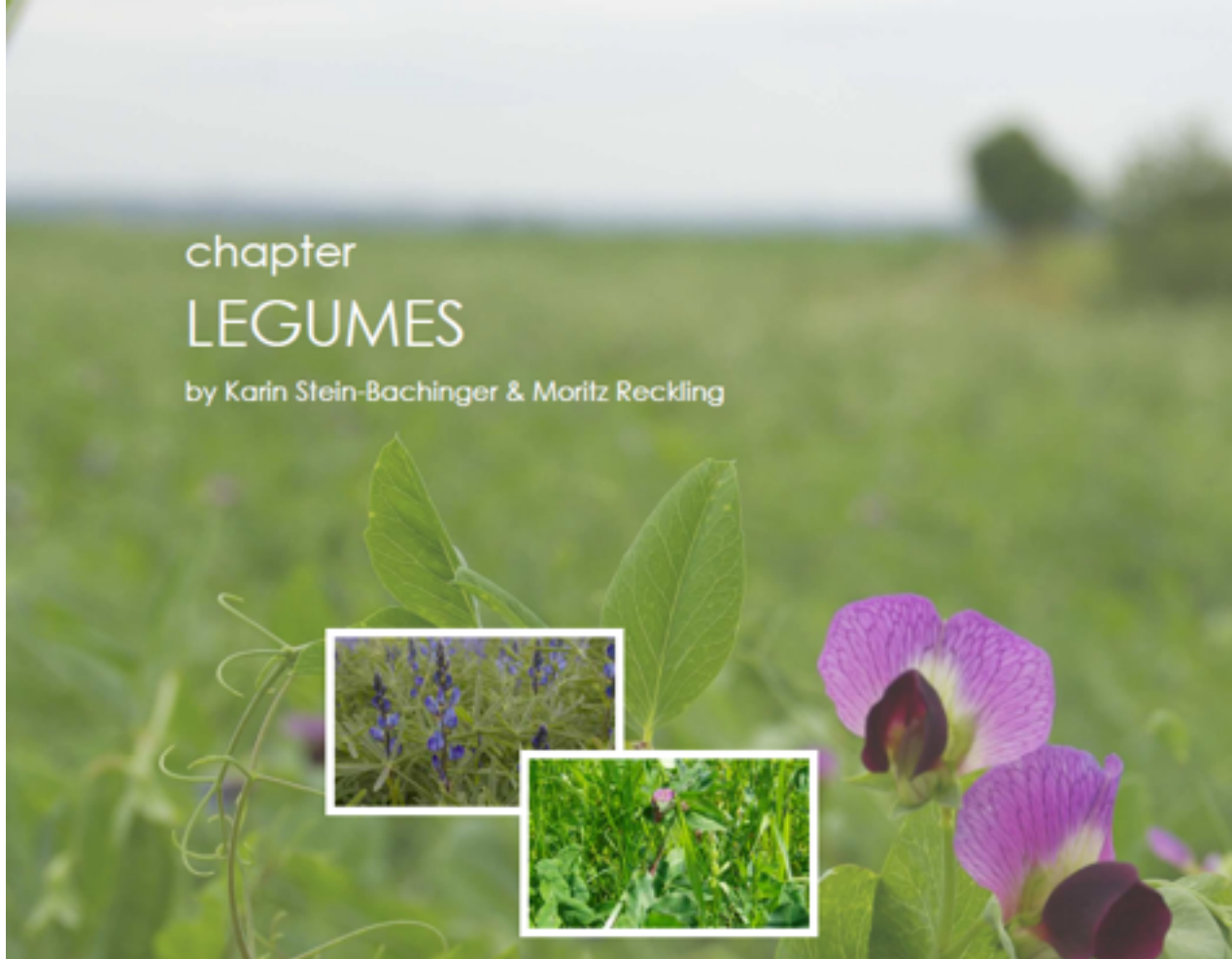
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## Software tools

- N-budget calculator (*excel*)
- Legume estimation trainer (*photos*)
- ROTOR (*planing and evaluation of crop rotations*)

# chapter LEGUMES

by Karin Stein-Bachinger & Moritz Reckling



- Why they matter
- Benefits of legumes
- Basic data on grain and forage legumes
- Methods to estimate the N fixation
- How to increase N fixation, Examples of nitrogen field balances
- Legume cultivation to reduce nutrient leaching

ERA farms



chapter xx:

# CROP ROTATION

by Karin Stein-Bachinger & Moritz Reckling

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**BERAS International**  
Building Ecology of Regenerative  
Agriculture and Societies

## Building competence in Ecological Regenerative Agriculture in practice on a real organic farm



### Farmers University Practice Course 2016

Place: Organic dairy and beef mixed farms in Sweden

Time: April – September 2016

*The course is open for all youth, and is included as practice period for 4.1 year students of Grodno State Agrarian University.*

*If you are interested – please contact:*

*Grodno, Belarus: International department of Grodno State Agrarian University*

*Other places: BERAS International, please mail to: [info@beras.eu](mailto:info@beras.eu)*

### Are you the one we are looking for?



1. You have a real interest in agriculture and you want to be a part of building up organic agriculture competence in Belarus
2. You have an interest in animals and you are ready to work with cows. An eye to observe the cow – heat, signs of distress, signs of soon coming calf etc – is a great plus
3. You are interested in tractor driving and maintenance – and you have at least some experience. Minimum – a drivers licence before you come
4. If your English is weak – you must be ready to study hard and learn it now
5. Social skills are welcome – you are not afraid of working alone and with responsibility
6. Be ready to prepare yourself before leaving home

**Be aware!** Travel to the Swedish Embassy in Moscow to make fingerprint, photo etc for the work permission document is obligatory. One in the group must also go to Moscow to pick up all documents. The cost for these travels and travel from your home to Kaunas is not included in the package.





# Farmers University Exchange Program

Projektinitiering 2016



Partner: BERAS International, Ekologiska Lantbrukarna, Jordbrukarungdomens Förbund, Alexandras Stulginskis University (Litauen), Baltic Foundation (Litauen), Grodno State Agrarian University (Belarus). Finansiär - Swedish Institute









**HNE  
Eberswalde**

Eberswalde University for Sustainable Development

University of Applied Sciences



15.03.2016

M. Sc. Sabrina Scholz  
Faculty of Landscape Management  
and Nature Conservation  
Sabrina.Scholz@hnee.de

## Eberswalde University for Sustainable Development





## 4 Faculties:

- **Faculty of Landscape Management and Nature Conservation**
- Faculty of Forest and Environment
- Faculty of Wood Engineering
- Faculty of Sustainable Business

## 17 degree programmes:

- **B.Sc. Organic Farming and Marketing**
- **M.Sc. Management in Organic Agriculture**
- Landscape Management and Nature Conservation
- ....



about 2000 students



- there are a lot of courses in which students, farm manager and lecturer working together on solving real-life-problems



- the study programmes including a practical training programme (19 weeks)

- co-operation with about 30 farmers



- coordinating a farmer-network „Innoforum“



Aleksandras  
Stulginskis  
University

## Diploma

*This is to certify that*

**Natallia DZERBYSH**

*has completed seasonal practice based course*

**Farmers University**  
**Ecological Recycling Agriculture**

held at Aleksandras Stulginskis University

with value of 5 ECTS credits

The course program included 40 hours Introduction course of lectures and supervised training on 7-8 April 2015 at Aleksandras Stulginskis University, Lithuania and on 9 and 29 April 2015 at BERAS centre in Järna, Sweden. Summer meeting - 16 hours lectures on 16-17 July 2015 at BERAS centre in Järna, Sweden and exam days 28-29 September 2015 in Järna.

Practice work to make whole seasons work from spring works until harvest, on organic farms on 11 April - 27 September, Sweden.

Järna, 28 September 2015

Hans von Essen  
Course leader

No 4

Prof. dr. Laima Cesoniene

### • Skills

- Skills of a qualified farm worker (animal husbandry, field works)
- Assessment of soils and their suitability for various crops
- Predict crop rotation effects on weed management
- Predict crop rotation effect on plant nutrient management
- Different methods to estimate nitrogen fixation (ocular, sample, software tool)
- Optimize crop rotation based on multiple factor analysis
- Use software tools (ROTOR) for farm planning
- Ability to use ERA Guidelines and software tools on farm

### • Knowledge

- Knowledge about minimizing losses of plant nutrients and greenhouse gases emissions from the farm
- Knowledge about systems approach to the whole farm as basis for farm advise

### • Attitude

- Deepened engagement for ecology and ecological sustainability
- Respect for the hand held knowledge of farmers.

### Couse teachers

is von Essen  
and Koker

# Bondens Universitet i Sverige

- Grundkurs i ekolantbruk för lantbrukare
- Lokala temagrupper (växtföljd, klöver...)
- Högre kurs - Master of Science?
- Fältkurs före 2:a vallskörd
- Examensdagen - slutet av september
- Praktikanter från Belarus, Ukraina, Tyskland ... och Sverige?
- Deltagardriven forskning
- Community Supported Agriculture
- Lärcenter för Hållbara Matsamhällen (ERA gårdar)
- Samverkan Naturbruksgymnasier, SLU, ekorådgivare, länsstyrelser mm
- Nationell strategi med internationell koppling