

Organic Farming – what does it mean?

Экологическое земледелие - что это означает?

Prof. Dr. H. Vogtmann,
Präsident des
Bundesamtes
für Naturschutz



Tblisi, 15th of May 2006

Principle of „Health“ Принцип ”здоровья”

Organic Agriculture should sustain and enhance the health of soil, plant, animal, human and planet as one and indivisible.





Principle of „Ecology“ Принцип ”экологии”

Organic Agriculture should be based on living ecological

systems and cycles, work with them, emulate them and help

sustain them.



Principle of „Fairness“ Принцип ”справедливости”

Organic Agriculture should build on relationships that ensure fairness with regard to the common environment and life opportunities.



Principle of „Care“ Принцип ”заботы”

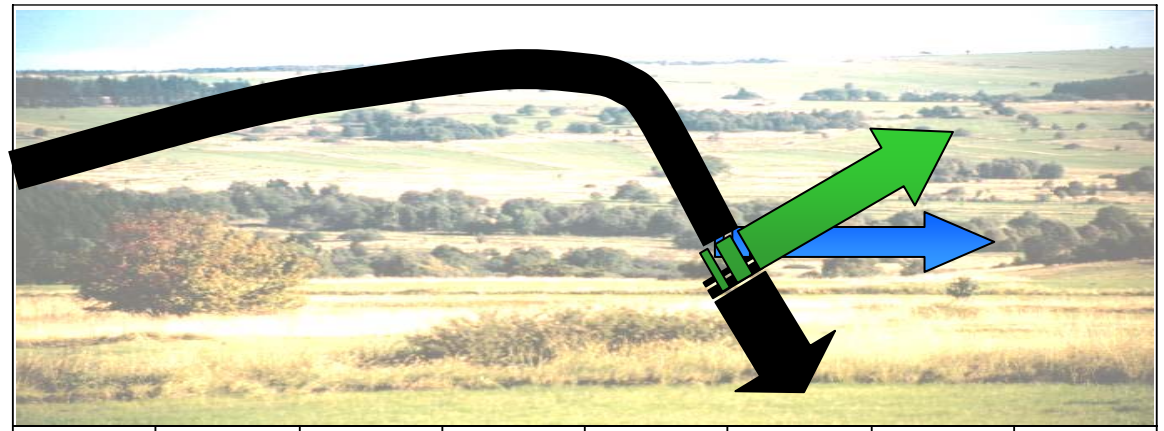
Organic Agriculture should be managed in a precautionary and responsible manner to protect the health and well-being of current and future generations and the environment.



Agriculture and Biodiversity

Сельское хозяйство и биоразнообразие

Development of the number of species;
focus
on
Europe



14th Cent. 16th Cent. 18th Cent. 19th Cent. 20th Cent. 21st Century

CBD – 2010 target:



„significant reduction of the current rate of biodiversity loss“

EU – 2010 target:



Europe

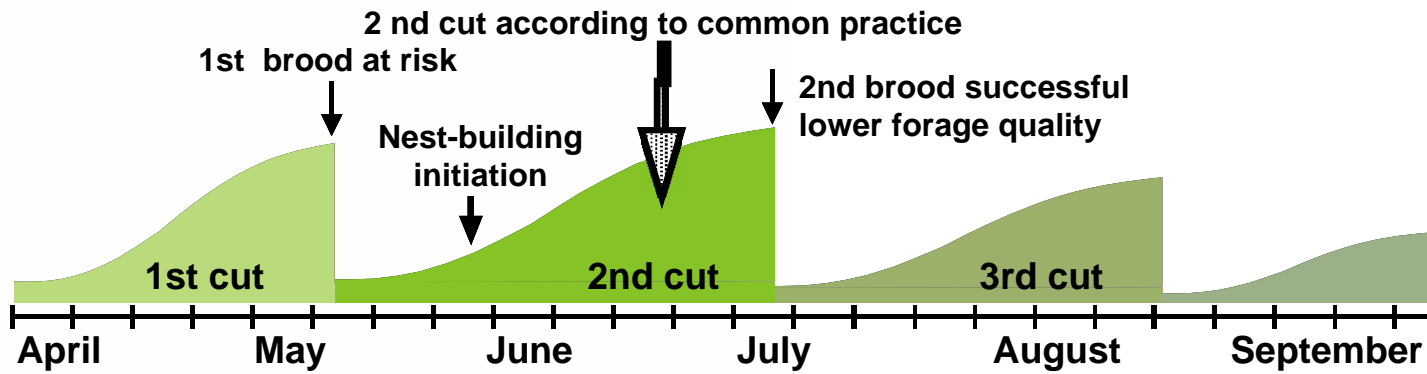
„stopp the loss of biodiversity“



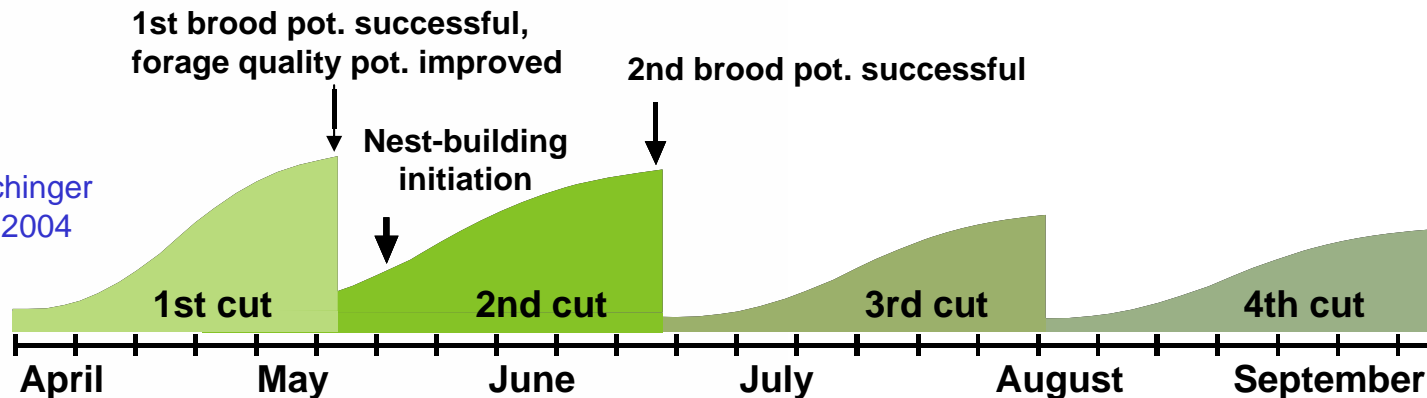
Skylark and Field Forage Growing

Полевой жаворонок и разведение кормовых культур на поле

a): 1st cut as common; 2nd cut late



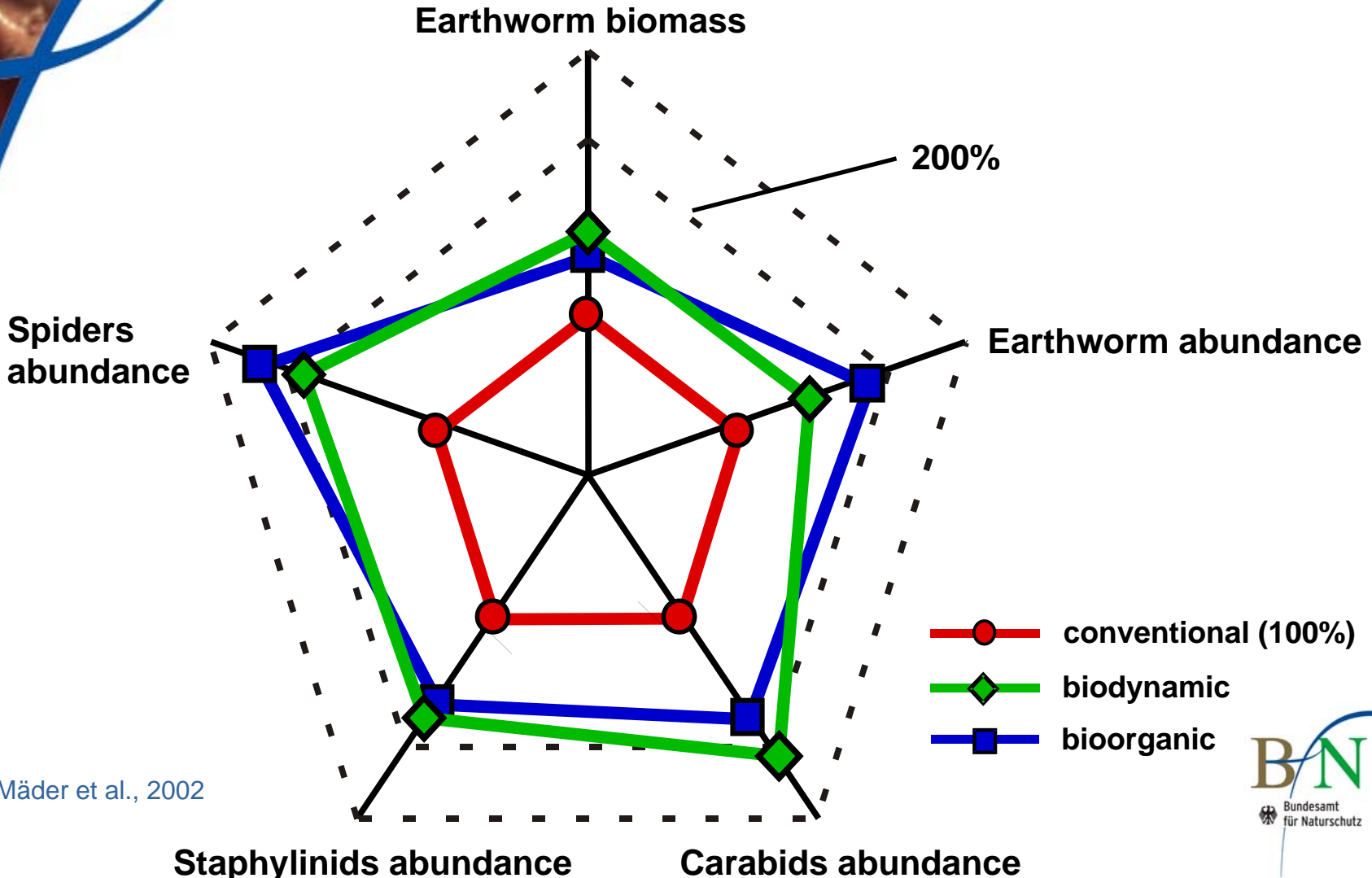
b): 1st cut high; 2nd cut as common



Source:
K. Stein-Bachinger
& S. Fuchs, 2004

Biodiversity in Soil

Биоразнообразие в почве



Source: Mäder et al., 2002

Biodiversity of Birds

Биоразнообразие среди птиц

Number of bird species nesting on organic and conventional managed arable land

year	1992	1993	1994
total	18	19	18
organic farming > conventional farming	16	13	17
conventional farming > organic Farming	2	6	1

Chamberlain et al. (1996)
In: Vogtmann & Ries (1998)

The Organic Estate „Kronsberghof“ - Part of the Hannover-Region – Экологическое имение ”Кронсхоф” - часть Ганноферанского региона



Production
Processing
Marketing
Consumption
Education

Enjoy Biodiversity

Наслаждаться биоразнообразием



Pictures: Förster, Rode, Vogtmann



Conclusion

Вывод



**Organic Agriculture:
Farming with future**

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Up from **22nd** of **May** on
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resources / links / lectures

Busy *for* Nature



Federal Agency for
Nature Conservation

Prof. Dr. H. Vogtmann,
President of the
Federal Agency for Nature Conservation
Germany

Tbilisi, 15th May 2006