

Organic beekeeping and biodiversity

Our egyptian beekeeping project:
Saving the egyptian bees together with Schwartau Marmelades
IFOM Workshop
Biofach 2016
Günter Friedmann

The Project Partners



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IFOAM Ethical Principles

- Principle of Justice
- Principle of health
- Principle of ecology
- Principle of care

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Today beekeepers, also organic beekeepers, work with hybrid queens.

To produce high honey crops:

Using genetical manipulations to produce queens with special attributes

Heterosis effects

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Loss of indigenous bee races:
Well adapted to climate and
vegetation

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our egyptian bee project together
with Schwartau (Dr. Oetker)

The Indigenous bee race : Apis Mell. Lamarkij

In akute
danger of
extinction



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Indigenous bee
race : Apis Mell.
Lamarkij



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our egyptian bee project

together with Schwartau/ Germany

Egyptian beekeepers work with european bee
races :

Apis M. Carnica,
Apis M. Ligustica



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These european bees are not adapted to climate and vegetation in Egypt:

Illness- brood diseases

Weakness

Now: Little honey crops , big sugar feeding

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massive decline of *Lamarkij* Colonies up to now

Apis M. Lamarkij well adapted to climate and vegetation

But:-little honey crops

- Little colonies

- Aggressivity?

Some disadvantages

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Apis M. lamarkij

but many advantages:

- no brood diseases
 - vitality
 - Tolerance towards Varroa mite
 - easy and extensive hive management
- beekeeper has not to care very much

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Our egyptian beeproject together with Schwartau



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our egyptian bee project together
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- To save *Apis M. lamarkij* from extinction
- To developpe an extensive beekeeping mangement interesting for all egyptian beekeepers