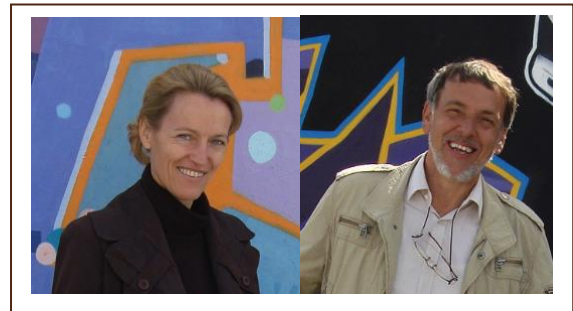


# Intensive Short-Course on Humusmanagement and Quality Composting for agriculture & related fields



We have been asked, by many interested farmers and composters, to offer a comprehensive and intensive version of our two week international Training-Program, as there are individuals that are not able to take off from work for two weeks at once, but would prefer to take the program in two parts:

- 1) The Comprehensive Introduction Seminar and
- 2) The Advanced Training-Program

Therefore we have designed a one week Short-Course program.  
Please be aware that this will be a very intensive work week!!

We will cover all the essential basics of Humusmanagement and the Controlled-Aerobic-Composting process according to Lübke-Hildebrandt.

Following the Short-Course, there will be the option to take an Advanced-Training, to deepen your knowledge.

## Seminar Program

**Sunday Oct. 22<sup>nd</sup>:** Arrival Day **Welcome and evening meeting 18:00**

**Day 1:** all day: **The basics of Humus Management.** A slide lecture provides a fundamental understanding for the mutual influence of soil, compost and environment.

**Day 2:** Morning: **The Controlled-Composting-Process**, part 1.  
A slide lecture provides an insight into the 'art of composting' according to **natural cycles**.

Afternoon: **Composting practice**, part 1. Building a **properly made windrow** at a composting site. **Efficient use of composting equipment, minimizing losses.**

**Day 3:** Morning: **The Controlled-Composting-Process**, part 2.

A lecture about **microlife in compost**.

- Topics like:
- Anaerobic **microorganisms** antagonists to aerobic life.
  - The advantages and 'dangers' of **water**.
  - From waste to *live humus*.

Afternoon: **Composting practice**, part 2. **Operation of instruments, water application, correction of problem situations. Proper site construction.**

**Day 4:** Morning: **Laboratory work**, part 1.

**Fast test** methods, to determine **quality** and **maturity** of compost.

Central theme of the day: • how to **eliminate losses in composting**.

- what factors make **compost** most **sustainable** in soils.

Afternoon: **Laboratory work**, cont.

**Slide lecture** on nutrient cycling in compost.

**Day 5:** Morning: **Laboratory work** part 2.

Why **quality compost** has a **positive** and **lasting influence** on soil and environment. **Compost application** and **humus build-up** in soils? The **Luebke-Humus-Test** monitors humus building, **pH-value** in correct interpretation.

Afternoon: **Composting practice**, part 3. Work at the site.

Followed by a **theory lecture** on Humus, in composting and soils.

**Day 6:** Morning: **Slide Lecture** on compost quality and its effects on soil and environment, liquid compost extraction and circular chromatography.

**Circular Chromatography according to E Pfeiffer:** Microorganisms are the central coordination point in soils. Since it is a difficult, lengthy and expensive procedure to determine variety and total count of microorganisms, most farmers know little about the most important support factor of their soils. Chromatography, as developed for soil and compost application by Dr. E. Pfeiffer, offers an economical, fast and simple method to evaluate the microbial life of soils.

Afternoon: Interpretation of results and closing lecture.

- How **barren soils** can be **revived**, and brought back **to fertile farmland**.
- The mutual effect of quality-compost and soil.
- **Detoxification** of contaminated soils, from residual agricultural chemicals to heavy metals.
  - Proper compost application
- **Elimination** of **pathogens** in soils. • **Recovery** of the **water** balance of soils.

A close look at the **future prospects** of carbon cycling and composting in agriculture and industry.

**Evenings** will be devoted to discussions, group work and individual as well as country-specific questions.

**ATTENTION: Sunday, October 29<sup>th</sup> 2023**

**Optional excursion day** – we will visit composting facilities of various sizes and types, together with the participants that can stay through Sunday (no additional charge for the excursion day).

Our **seminar dates** for the upcoming **international Intensive Short-Course – on Humusmanagement and Controlled-Aerobic-Composting in Austria** (seminar language is English):

 <p><b>Humusmanagement and Controlled-Aerobic-Composting</b> according to Lübke-Hildebrandt</p> <p><b>Intensive Short-Course</b></p>	<p><b>Seminar dates:</b></p> <p>Arrival day: Sunday October 22<sup>nd</sup></p> <p><b>Seminar: October 22<sup>nd</sup> – 28<sup>th</sup> / 29<sup>th</sup> 2023</b></p> <p>Optional excursion day: October 29<sup>th</sup></p> <p><b>Registration deadline: September 29<sup>th</sup> 2023</b></p>
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If you would like to **register**, or want to get more **information** please turn to:

The Seminar Team of:

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composting facility Kenya