

principles of organic farming

Completing cycles

- Manure is used accurate
- respect crop rotation

Saving resources

- fossile energy
- limited resources even like ground water

Avoid poisonous substances

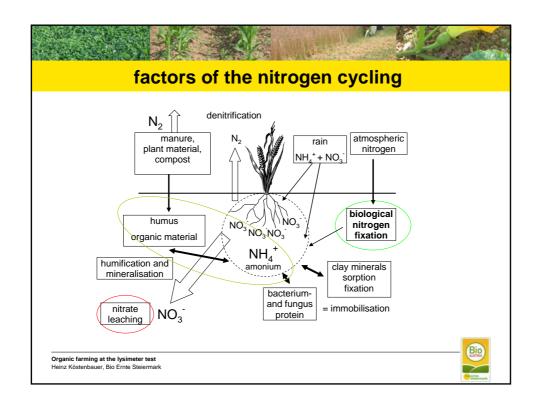
- no chemical pesticides
- manure is prepared

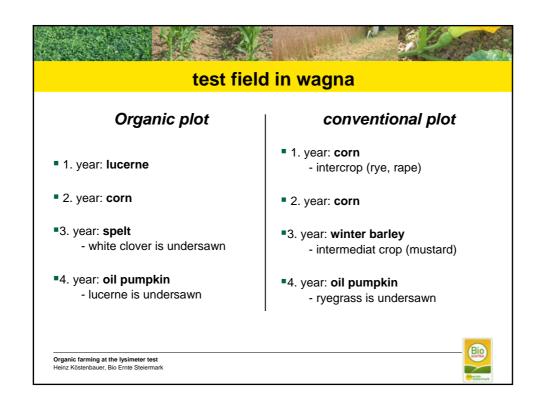
Animal friendly and surface-linked livestock

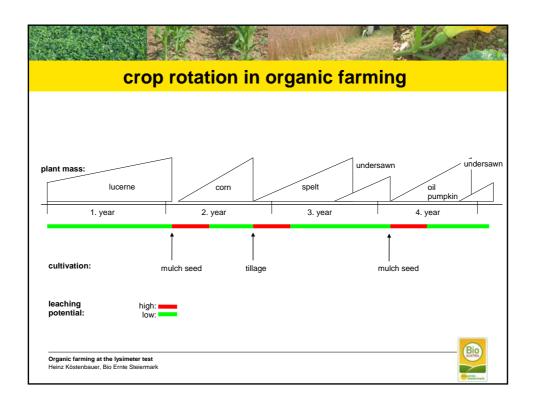
- livestock is strictly linked to surface
- z.B. piggery per ha: organic: 14 places conventional: 28 places

Organic farming at the lysimeter test Heinz Köstenbauer, Bio Ernte Steiermark









facts an assumptions

- no chemical pesticides on the organic plot
- smaller yields and also lower nitrogen withdrawals by organic farming
- biological nitrogen fixation corresponds to characteristic values
- yields contain as much nitrogen as legumes can fix
- cultivation intensity in organic plot is lower than in conventional plot
- humus content in the organic plot should increase

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