

Penergetic-k

Optimised composting

Effects in the stable

- Good stable climate
- Reduction of bad odours
- Easier mucking out

Effects on the soil

- Accelerated rotting
- Activation of soil life
- Registered and certified product

See for
yourself!



Holistic thinking with P



Compost – a valuable organic fertiliser

Composting is a controlled decomposition/degradation of organic material with the help of oxygen. Microorganisms break down the structural components of plants and the substances they are made up of.

Results with Penergetic-k:

- Increase in mural cells
- Improved root growth



The pumpkin in the domestic kitchen garden, too, benefits from the high availability of nutrients.



Roots and growth of the plants on the right are superior because of better availability of nutrients, a result of using Penergetic-k compost.

Efficiency increase

Penergetic-k mixed with a herbicide

250 g of Penergetic-k mixed with a herbicide shows results.

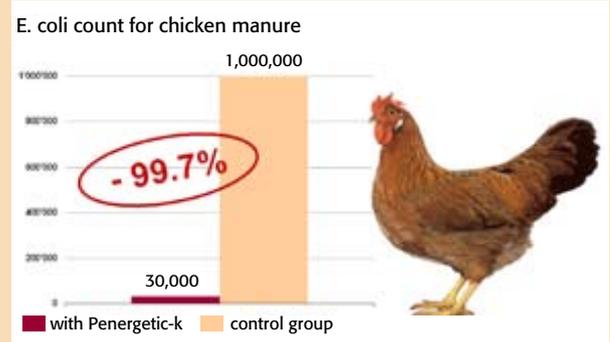
Results:

- Takes effect more quickly
- Optimisation of soil management



Reduction of E. coli count

- test group: 19,350 chickens • control group: 19,400 chickens
- 7 g per m² • test duration 31 days



Results:

- Drier standing spaces
- Significantly reduced E. coli count

Improved stable climate

- Easier mucking out
- Clear reduction of odours
- Fewer flies

Achieve a more pleasant working environment with minimal extra cost or labour.



Optimised composting

Penergetic-k fits seamlessly into the work routine.

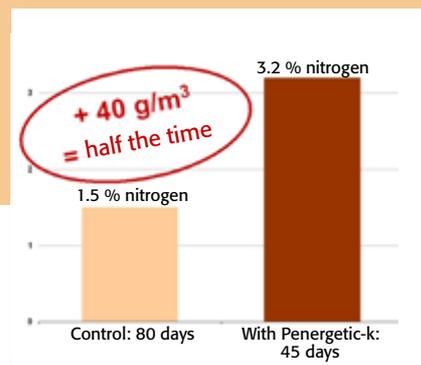
Results:

- Stronger colours
- Above-average plant growth



Parameter	Without Penergetic	With Penergetic
Organic material in %	47.7	71.2
Ash	52.3	28.8
Carbon in %	13.5	26.9
Nitrogen in %	1.5	3.2
C/N ratio	9.0	12.2
Humic acid	18.6	19.1
Fulvic acid	2.3	7.7
CIC	60.8	65.8

Reduced decomposition time



Results:

- Increased nitrogen content
- Reduced decomposition time

Penergetic-k for successful composting

Licensed according to EU-regulation 834/2007
OMRI listed



Package sizes:

- 1.5 kg and 8 kg Bentonite
- 1 litre and 10 litre Molasses

Application rate

- 40 g Penergetic-k per m³
- 3 g Penergetic-k per m²



Further details on instruction leaflet

Field spraying

- 300 to 500 g per hectare

Can be mixed with herbicides



**Result:
optimal fertilising effect**

Penergetic-k

Optimised composting with Penergetic-k.

Field and soil care

- Crop residues are broken down faster
- Soil can be prepared more easily
- Herbicides can be used more efficiently
- Reduced susceptibility to erosion



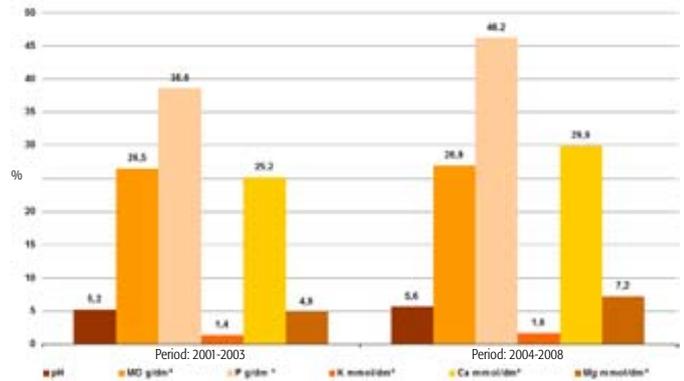
Application of Penergetic-k



Results:

- Improved stable climate
- Reduced ammonia emissions
- Takes effect very quickly

Promoting soil fertility



Results:

- Optimised humus formation
- Increased ability to store water and nutrients

Coffee plants are thriving



Dosage: 300 g Penergetic-k / hectare

Results:

- Clearly improved roots
- Better developed plants

Our full product range



- Penergetic-k** for compost
- Penergetic-g** for slurry
- Penergetic-t** for animals
- Penergetic-w** for water
- Penergetic-p** for plants
- AquaKat** for water vitalisation

AQUAKAT



In agriculture it is advisable to optimise the various interlinked processes.

If, for example, nutrients in the slurry become available again for plants, their nutritional value improves, which in turn, directly benefits the animals' well-being through feeding. Using feed additives and purified water can further enhance their vitality. In this way a stable living environment is achieved and some of the daily workload and costs can be reduced.

If you have questions

regarding the Penergetic product range please contact your Penergetic representative. You can find further information and more examples of practical use on our website.