



penergetic b

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Explanatory notes

Take advantage of biostimulation with Penergetic to support soil activity.

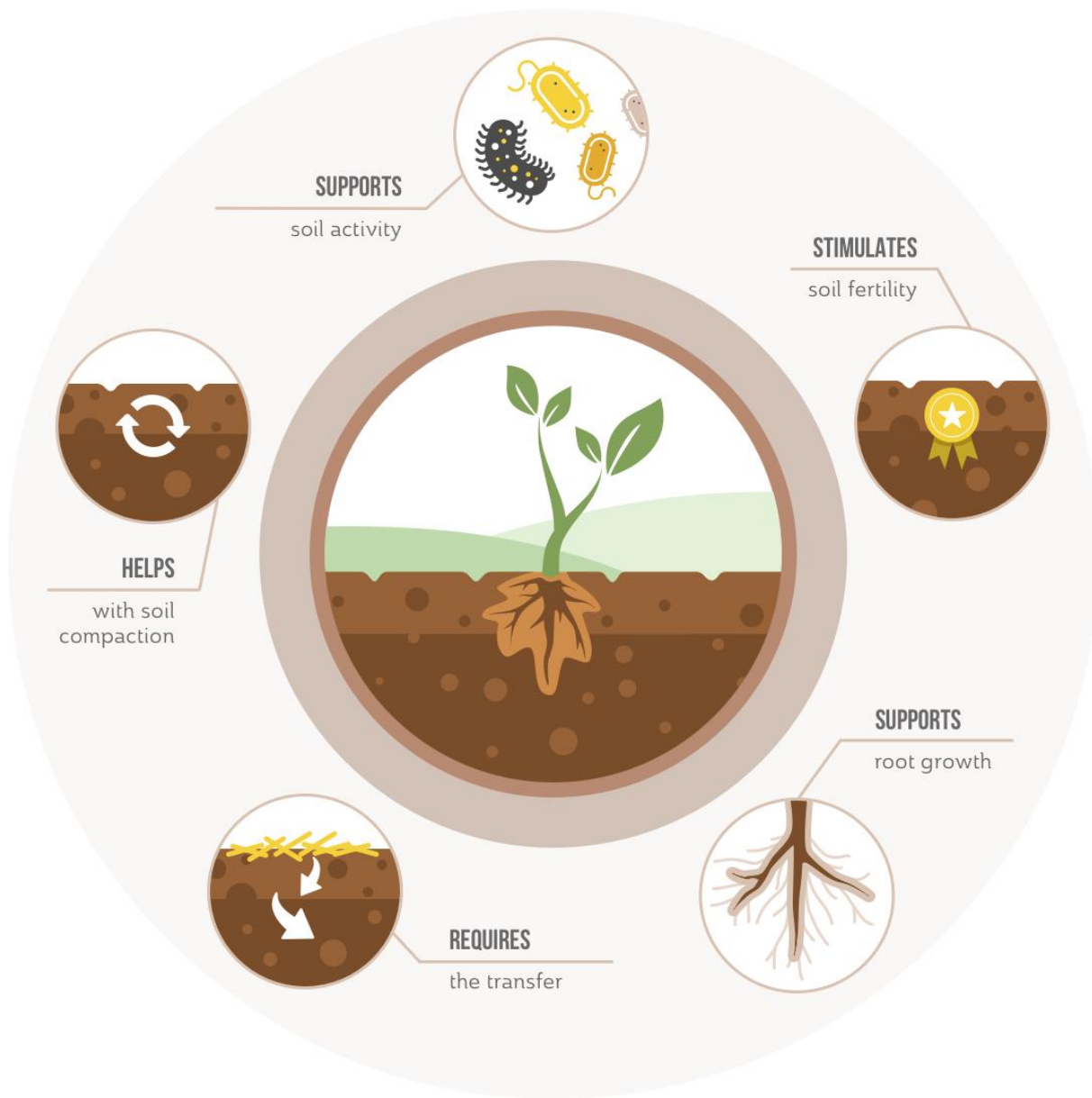
penergetic b promotes humus formation and supports soil life. By activating soil life, the soil structure is changed and soil compaction is sustainably reduced. By promoting root growth, the soil is able to optimise nutrient availability for the plants.

The optimized soil structure improves the circulation of air and water.



Benefits

- Stimulation of soil activity
- Few harmful organisms
- Optimizes root growth
- Supports the decomposition of crop residues
- Promotes healthy root systems
- Favours loose soils
- Increased the number of beneficial fungi in the soil
- Less fertilizer required
- Optimizes soil structure (air, water, heat balance)
- Easy tillage
- Reduced machine expenditure
- Good supply of the plants with nutrients

Mode of action



Product data

	Carrier material	Package	Shelf life
	Bentonite	Box 200 gr	5 Years
		Bucket 2.5 kg / 10 kg	
		Bag 8 kg	
	Molasses	Canister 2.5 lt / 10 lt	18 Months

We offer further carrier material, please ask us

Product forms	Article no.	Note
penergetic b Soil	3000	For soil treatment
penergetic b Potatoes	3110	Specialized product for soil treatment for potatoes

Further specific products on request

Application

The following doses are recommended by Penergetic International AG. These are general recommendations that need to be adapted according to local conditions. Factors like weather, climate, soil composition etc. can influence the products' efficacy.

On large areas (from approximately 500 hectares upwards) we recommend carrying out soil analyses in order to optimize the application of Penergetic products.

- For this purpose, Penergetic provides a template

penergetic b can be used with all soil types and it can be mixed with most fertilizers (NPK), herbicides, minerals, powdered rock etc. However, the instructions from the manufacturers of the individual products must be adhered to. If necessary, a trial mix can be prepared. Mix the Penergetic products with water and stir continuously before adding the mix to the tank. Then pour the mix into the tank with the agitator running and apply. For optimal results we recommend applying the product regularly.

Do not mix with oily substances.

A combined application of dry and liquid product is possible.

You will find further information and instructions for carrying out trials at the end of this document.



Dry application in gr /ha



Liquid application in ml / ha

Usage recommendation

penergetic b Art. 3000

Soil treatment before planting mixed
with water or soil sprays

300-500 gr / ha or
300-500 ml /ha

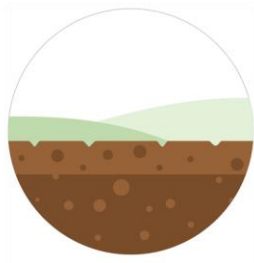
penergetic p Pflanzenbehandlung

Anhand Instruktionen
penergetic p

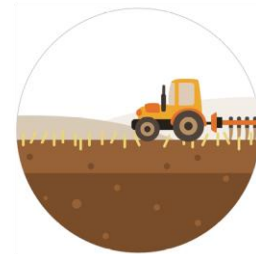
penergetic b Art. 3000

Soil treatment after harvest
mixed with water or soil sprays

300-500 gr / ha or
300-500 ml /ha



Waiting period 10-15 days



Test design

Procedure for trials

- If penergetic products are applied with the fertilizer sprayer, the control field should be sprayed first. Then the test area. Then clean the device.
- Pot tests have shown that a distance of 1.5 m between the pots is sufficient. For tree tests, distances of 5 - 10 m are recommended.
- Attention when combining with the AquaKat. Water or metal can transmit the effects over long distances.
- It takes several weeks until the effect of the Penergetic Information disappears from the test device.
- On slopes, place the Penergetic plot at the bottom, as the rain, for example, will flush the Penergetic products onto the control plot.

Reduction of fertilizer

The Penergetic products act as optimizers. If mineral fertilizers (NPK) or similar products are used, they should be reduced by ~20%. Otherwise the effect of over-fertilization could occur.

Mixture penergetic b and penergetic p

No mixture of penergetic b and penergetic p. When using penergetic b and penergetic p, an interval of at least 10-15 days should be scheduled.

Setting up and documenting a measurement

- It is essential to use separate utensils (test tubes, watering cans, fertilizer containers, etc.) throughout the duration of the experiment and to label them accordingly.
- Definition of a person in charge of the test
- Images from the beginning (high quality images)
- Use previous documents (evaluations/analyses without Penergetic) to enable clear comparison
- Use previous soil investigation or carry it out before the test if necessary.
- Describing the initial situation and the goal or objective
- Creating data / control sheets in which all parameters (dose, spray rate, etc...) are recorded