

**: Case Study :**

**Kitchen Waste Compost Field, Shi Gang Hsiang, Taichung County, Taiwan : Used Penergetic-k on Kitchen waste and found following favourable results :**

- > Penergetic-k rated as a high biotechnology process,
- > Simplified the Compost Process of Kitchen Waste,
- > Decreased peculiar unpleasant smell,
- > Greatly improve the environment quality & hygiene,
- > Decreased propagation of mosquito, & flies,
- > Shortened process time and with good quality of finished compost.



Actual Picture  
of waste



Compost with  
Penergetic-k

**: Important Notes :**

1. Penergetic-k is Low Cost, Low Volume & Environment Friendly.
2. That by its information and energy flow in activating the microorganisms, an aerobic environment is created during composting or While in the farm soils, where growth of anaerobic bacteria may cause potential damage to the sown seeds, delicate stage of germination and at crucial growth stage of plants.
3. Penergetic-k stimulates fungus formation and the storing of nutrients. It can be used both, in a dry or liquid environment.
4. The minimum time interval between the applications of the two products Penergetic-k & Penergetic-p is 15 days, as the former promotes the fungi growth and the latter prevents.
5. Besides mixing with water and spraying over soil Penergetic-k can be used in its dry state also but it should be mixed with a suitable material (sand, clay powder, sawdust, etc.) to make application easier.

Results may vary with environmental conditions

**: Contact Details :**

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**penergetic<sup>®</sup>k**  
the natural biotechnology

**JEEVAN BHOOMI**

**HIGHER FERTILITY  
FASTER DECOMPOSITION**



**Advantages & Effects :**

Penergetic-k (Jeevan Bhoomi) creates better quality soil by enhanced composting, which helps in activation of the micro-flora, micro-fauna and the micro-organisms that are involved in aerobic transformation process. Penergetic-k (Jeevan Bhoomi) aids initiation of stable rotting process by curbing putrefaction.

The use of Penergetic-k also reduces the unpleasant odour from compost, dung or bio waste to a natural level. The actual composting process is accelerated and the end product (humus) becomes more valuable and fertile for agricultural use, as a result of aerobic rotting.



**Crop Growing :**

Soil-friendly cultivation in combination with Penergetic-p is ideal for enhanced root growth, increased nutrient intake, improved plant health, continual reduction in chemical agents, less pollution of surface water and contamination of groundwater.



**Soil Treatment :**

Activates soil, improves nutrient utilization in soil, reduces use of chemical fertilizers, thus resulting in improved plant health, less pollution of surface water and groundwater.



**Slurry and Liquid Manure Management :**

Curbs putrefaction (anaerobic) process and converts waste into valuable and fertile organic manure, free of any toxicity.



**Animal Husbandry :**

Ideal for, ecological husbandry with Penergetic-t ensures healthy animals, less veterinary treatments, harmful substances are excluded from the excrement when decomposed with Penergetic-k.

**Applications, Dosage & Measures :**

**FARMING :**

To build-up of humus and reintegration in soil, to better supply of nutrients for plants, reduce washing out of plant nutrients, and for reduction in groundwater pollution use Penergetic-k in the agricultural fields, gardens, farms etc in a dose of 300 grams per hectare. Do seek area & crop specific dosage and information.

**COMPOSTING :**

To increase water absorption capacity, reduce odour nuisance, improve stable climate, and hasten the composting process free of any toxic effluents.



**Liquid :**

Dilute 50g of Penergetic-k/m<sup>3</sup> of compost material in water and pour over compost layer.

**Dry :**

Premix 50g of Penergetic-k/m<sup>3</sup> of compost material in stone meal, sawdust, sand or similar substances in ratio of 1:10. Apply evenly to compost.

**In Compost & Dung (Stacking System) :**

Each new layer should be treated with Penergetic-k, while building a compost heap. In an existing compost heap which is not going to be turned around anymore, poke several holes into the heap and pour in Penergetic-k.

An Ideal way of adding Penergetic-k is during turning of the heap.

**In the Stable :**

After cleaning the stable first apply Penergetic-k 3 g/m<sup>2</sup> onto the floor, then on top of bedding. Repeat after applying new bedding.

**In the Bio-bin :**

After emptying the container apply Penergetic-k to the floor. Give very small amount of Penergetic-k on top of each layer.

Pre-Mix with sand to make application easier.