

LITTER & MANURE MANAGEMENT FOR POULTRY



penergetic^o k

Litter Conditioner

- o Reduces ammonia and flies
- o Provides biological sanitation
- o Controls disease organisms
- o Supports manure decomposition



penergetic^o g

Liquid Manure Activator

See details on reverse side.....



A Sustainable Approach to Litter & Manure Management

Litter and manure management are important components for any poultry operation. Whether it be turkey, egg or broiler production, poultry in Canada is normally raised indoors, with a variety of housing and manure handling options being utilized. Broilers, broiler breeders and turkeys are typically raised on litter (wood shaving, sawdust or straw). Some layers and pullets are also raised on litter, yet more commonly cage housing is used -- resulting in pit collection and storage of manure. Since nutrient management is usually viewed as a cost, which impacts on profitability, the approach taken to waste management needs to be both cost effective and offer other benefits. Whether your operation produces soiled litter, dry, semi-solid or wet manure, PENERGETIC Canada has a litter and manure management approach that is certain to satisfy your requirements.

Over ten years ago, Swiss-based PENERGETIC International AG developed a proprietary approach to livestock waste management that is economical, easy to use, requires no capital expenditures and has proven itself effective in poultry operations around the world.

Who Should be Interested?

No matter what size your operation is, the penergetic approach can increase the efficiency of your manure handling system: liquids, solids and litter. Used in small quantities, penergetic k and g contain no harsh chemicals, require no additional energy consumption, are environmentally friendly (OMRI listed) and are intended to “save” not cost you money.



PENERGETIC k - for litter conditioning

Applied to the litter as a dry powder (at a rate of 4 g / m²) or mixed with water and sprayed in the barn, penergetic k reduces ammonia emissions, improves barn environment, helps control disease pathogens, acts to mitigate flies and insects and starts to aerobically breakdown the litter.

[Note: “k” stands for “kompost: (German for compost) and “g” is for gülle (German for slurry).]

PENERGETIC g - for slurry & liquid manure

By activating a more complete decomposition of slurry or liquid manure by means of an aerobic process, instead of the more common and less desirable anaerobic process (which involves putrefaction & decay), penergetic g works to:

- ◆ Overcome the emission of harmful gases
- ◆ Control unwanted insects and insect larvae
- ◆ Prevent floating layer and bottom sedimentation
- ◆ Produce a more homogenous & free flowing slurry
- ◆ Limit pathogenic bacteria, fungi and organic compounds
- ◆ Retain more nutrients in the manure
- ◆ Make the manure less caustic for plants

PENERGETIC k - for solid manure

Dry manure (<25% liquid) is treated with penergetic k (application rate 40 g / m³). By stimulating an aerobic process, it activates a thorough breakdown of the manure, limits nutrient loss, mitigates flies, odours and pathogens and creates a uniformly homogenous compost mix at an accelerated pace.

PENERGETIC g - for composting

Once litter and solid manure is removed from the barn it can be further composted in a pile or in windrows, with penergetic k, which acts to accelerate the process.



PENERGETIC Canada offers an integrated approach to poultry management. Inquire about penergetic t (feed additive) and about the AquaKat® water treatment device, which may assist in addressing infectious enterocolitis.

For more information contact:

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PENERGETIC SOLUTIONS

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