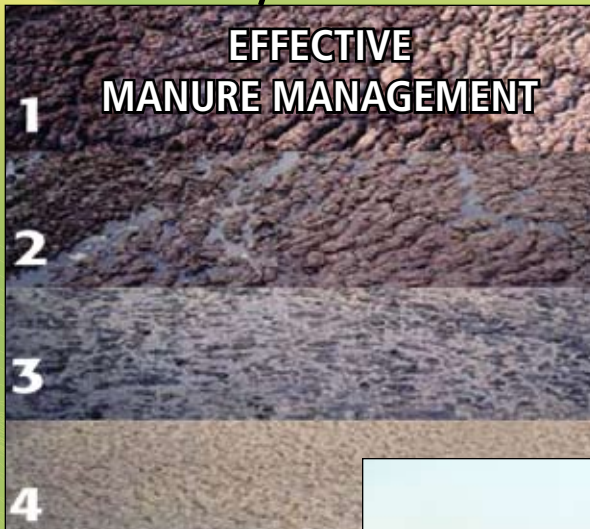
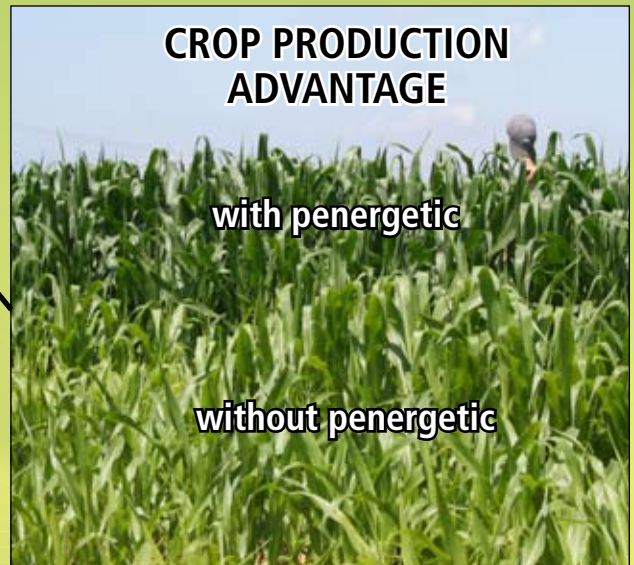
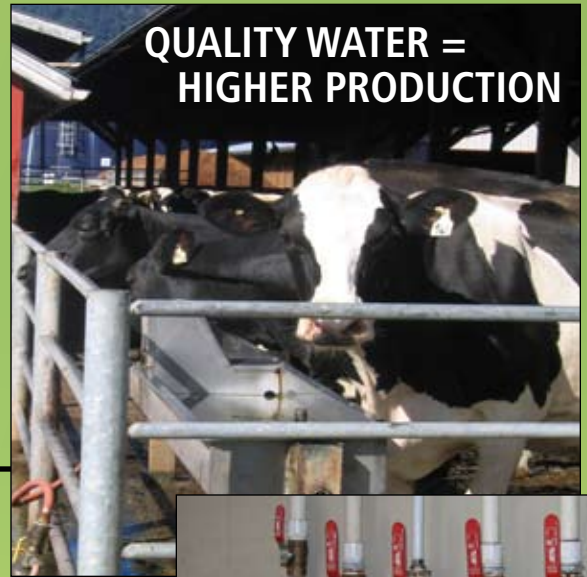


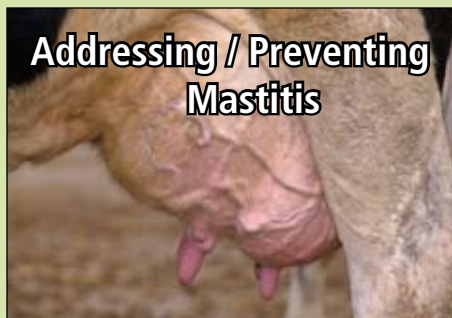
A COMPREHENSIVE APPROACH TO DAIRY FARM MANAGEMENT



penergetic 

A sustainable approach to dairy farm management requires careful attention to all aspects of operations, including feed, water, animal health and waste management. Through years of practical experience with dairy farms in Europe, Penergetic has developed a comprehensive, full-spectrum means of addressing the health and productivity of your herd.

Water: Healthy water is a core requirement for any dairy operation. By addressing water-related issues such as lime build-up, iron, hydrogen sulphide smell, chlorine taste, etc., the AquaKat (Penergetic's water device) has been shown to improve the water's taste and quality – resulting in cows drinking more – leading to increased milk production [Results from Quebec indicate up to 1.5 litres more milk per cow per day]. The AquaKat offers other advantages for clean-up, in-home use and increased field sprayer efficiency. Contact your Penergetic representative to find out more.



Animal Health: Penergetic is able to support the health of your animals by means of a feed additive and products that reduce pathogens, harmful fungi and organic compounds in the barn environment. This includes being able to reduce the occurrence of such problematic occurrences as mastitis and hoof conditions. Your Penergetic representative can provide more details.



Crop Production: Impressive field results have been reported with penergetic-treated corn, grass, alfalfa, and other crops. Benefits include: quicker emergence, greater root development, deeper colour and heavier, thicker crops. For instance: penergetic-treated corn grows taller, greener and the leaves are thicker. Studies reveal that quality and yield are also higher. Used as a seed dressing or spray application, Penergetic products for crop production increase soil fertility, while strengthening and better enabling plants to access nutrients.

Manure Management: Use by over 10,000 dairy farms in Europe reflects the effectiveness of the penergetic approach to treating manure – whether liquid, solid or flush system. By activating aerobic bacteria and fungi in the manure, smell is reduced/eliminated, liquid manure becomes homogenous, crust (and sediment) dissipates, agitation time is reduced and ammonia volatilization is overcome – producing an easy to apply, highly nutrient rich natural fertilizer. Solid manure (and bedding) treated with penergetic is composted more quickly producing an odourless, stable, lump-free, nutrient rich humus. Economical and easy to use, the higher nutrient content of penergetic-treated manure (liquid or solid) more than offsets the cost of treatment.



For more information contact:

1-888-737-0907

PENERGETIC CANADA

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www.penergetic.ca

CORN - QUEBEC - south of Trois Rivières - May 11, 2009



Treatment: pengergetic k (pre-seed application), pengergetic p (seed dressing), pengergetic p (in-crop foliar application) & AquaKat L used on sprayer.
Application Rate: 100 grams per acre per application.
Fertilizer: Same rate for both fields.

Note: Adjacent fields. Date Seeded: April 7/09.

CORN - QUEBEC - south of Trois Rivières - May 11, 2009



**Treatment: penergetic k (pre-seed application), penergetic p (seed dressing), penergetic p (in-crop foliar application) & AquaKat L used on sprayer.
Application Rate: 100 grams per acre per application.
Fertilizer: Same rate for both fields.
Comment: plants taller, deeper green colour and leaves thicker.**

CORN

PENERGETIC K and P TREATED (in background) // CONTROL (in foreground)



Details: Date seeded: April 7/09; Picture taken: July 17/09

Treatment: penergetic k (100 g/ac pre-seed application), penergetic p (seed-treatment), penergetic p (100 g/ac foliar application), AquaKat L used for spray applications

Fertilizer: Control and penergetic-treated sections received same fertilizer application

Comment: Visible difference in plant height, colour and crop consistency

St-Anselme, Quebec 2009

**Silage Corn – no synthetic fertilizer used
(only penergetic-g treated slurry & pen-p)**



SOYBEANS - QUEBEC - May 11, 2009



Treatment: penergetic k (pre-seed application), penergetic p (seed dressing), penergetic p (in-crop foliar application) & AquaKat L used on sprayer.

Application Rate: 100 grams per acre per application.

Date Seeded: April 6/09 // Fields contiguous to one another.

Comment: better plant development, greater consistency, healthier plants