



GCM farming makes its way to New Zealand



A micro-organism capable of breaking down Chitin and Gelatin has been utilized in organic operations overseas providing a powerful and effective plant health agent. The great news is thanks to the initiative of a New Zealand Grower, Power GCM-N is now also available to our local growers.

What is GCM Farming?

GCM stands for Gelatinase and Chitinase producing Microorganism.

What is *Bacillus velezensis*?

Bacillus velezensis acts to promote plant health by producing Gelatinase and Chitinase which in turn act to break down Gelatin and Chitin.

The micro-organism *Bacillus velezensis* has been shown in trials to promote plant growth. In addition, many strains have the reported ability to suppress the growth of pathogens such as bacteria, fungi and nematodes.

Where is *Bacillus velezensis* found?

Its strains are found in abundance on the foreshore and mudflats of the western coast of South Korea, where it breaks down crab and other crustacean shells.

What are Gelatin and Chitin?

Gelatin is a component of the larvae of many horticultural pests as well as the egg sacs of nematodes. Chitin is a hard shell-like structure found in crustaceans but also in the exoskeletons of insect pests and the cell walls of pathogenic fungi.

What is Power GCM-N?

A powder form of this agent has been made available in several countries to commercial growers as Power GCM-N.

Power GCM-N Mode of Action

Power GCM-N inoculates the soil and stimulates soil microbial activity enhancing plant health and disease resistance. There are thought to be several metabolites and enzymes produced during mass culture which promote crop growth and immunity as well as enhancing soil health.

How to prepare and apply it?

Brewing: is the most effective means of culturing microorganisms on mass.

Preparation for brewing: Water tank, water heater, water pump with aeration, Power GCM-N powder, sugar, fertilizers.

Application: Application of the brewed solution to crops and to soil via dripper or canopy spray every 2-4 weeks is recommended.

Rate: 1kg Power GCM-N can make 1000L of solution sufficient to treat 0.5Ha.

Who should try this product?

Any grower with nematode issues, soil born root diseases, crop pests, aiming to grow crops organically and where crop rotation is impractical.



Power GCM-N, 1Kg



Brewing Kit, 1000L

More information

Email Timothy for full product information, how to use the brewing kit and costs of set up.

Contact us on
gcm.farming@gmail.com
 (website under construction)

For more information contact GCM Farming (NZ) Ltd
gcm.farming@gmail.com



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For more information including costs and set-up, contact Timothy at GCM Farming (NZ) Ltd gcm.farming@gmail.com