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Using Bio-Plant and Pro-Plant to Deal with Insect Pests

Introduction by Peter McAlpine, Chief Marketing Officer

While Bio-Plant and Pro-Plant are not pesticides, if a farmer uses them consistently, he will find that his crops are affected less and less each season by insect pests. A scientific reason for the infestation is provided below though it might not find favour in all circles of academics.

We have known for many years from farmers, such as in Vietnam, who use the two bio-fertilisers consistently, that when the farmers restore and increase the fertility of their soil with lots of bio-compost made with Bio-Plant (usually 1 litre mixed with 500-1,000 litres of water and 5 MT of organic matter) and provide plenty of nutrients through the leaves by spraying Pro-Plant every 7, 10, or 14 days depending on the crop (Pro-Plant provides over 50 major, minor, and trace nutrients), the crops become healthy and the insects do not bother their crops.

The farmers not only prepare the soil before planting with this bio-compost. They also add more at different times during the crop. Consequently, the soil's fertility is constantly being replenished and strengthened by the addition of more microbial life.

Bio-Plant is extremely concentrated in soil-regenerating bacteria, and each cell multiplies into one million cells in a day in the soil. The plant increases its roots by about 20% above the norm, and the bacteria make available to the roots the roughly 80% of NPK left in the soil by the use of chemical fertilisers. At the same time many nodules form on the roots, which enable the plants to obtain more Nitrogen from the air. Photosynthesis is increased and the end-result is that the plants become strong and healthy while the soil's fertility improves. When Pro-Plant is sprayed as well, the plants obtain an abundance of nutrients from both the soil and the leaves.

As the following pages explain, the resulting vibration and Brix levels of the crops make them unsuitable as food for insects, so the insects go elsewhere. Indeed, if farmers nearby are growing their crops with chemicals, the insects will usually go to those crops because they emit a vibration, which tells the insects that the crops are suitable food for them.

I would not like to say that the insect pests will disappear at once. However, as the farmers carry out the above and restore the fertility of their soil, the health, vibration, and Brix levels of their crops will increase each season, and the insects will gradually leave them alone. As the process continues, spraying the leaves with Pro-Plant (to provide a full range of nutrients) and neem, perhaps mixed together, will ensure that the insect pests go elsewhere.

Dr. Arden B. Andersen explains: "Insects get sick from healthy plants because they cannot handle the rich nutrients present in those plants."

This statement relates closely to the Trophobiosis Theory of Francis Maboussou, an agronomist of France's National Institute of Agricultural Research. The Minister for the Environment in Brazil, Jose Lutzenberger, reformulated this theory in a simple statement: "a pest starves on a healthy plant."

Why Crops Using Bio-Plant and Pro-Plant Have Few Pest and Disease Problems

Dr. Philip Callahan of the University of Florida, a USDA entomologist, explains that insect antennae are actually like small semiconductors, and, as they are coated with wax, are also paramagnetic structures. They receive various wavelengths in the infrared spectrum. Once the information is received, the insect's brain determines whether the frequencies correspond to a mate, food, water, or something else.

Moreover, through scientific observations, scientists have discovered that the spines of insects, for example, are indeed real antenna that have properties comparable to dielectric antenna. Their research reveals that an insect's antennae function similarly to a ten-centimeter shortwave radar that can be used to smell the exhaust of electronics. In other words, an insect's antennae receive and process electromagnetic radiation vibrating at a natural frequency signature.

Everything emits infrared radiation, and each thing has its own specific range of vibration. The vibrational frequency of all the component parts of a thing makes up its composite vibrational frequency. This is what the insect receives and processes.

If a plant is in perfect or near perfect health (i.e. mineral balance), it will vibrate at a given composite frequency. If there happens to be a mineral deficiency, it will vibrate at a slightly different composite frequency. If there is a serious deficiency or several deficiencies that make that plant unfit for animal or human consumption, it will vibrate at a significantly different frequency that the insects recognise as food; hence, an insect infestation will follow. In addition, the light frequency of "sick" plants changes [Callahan, P.S], which pests can identify as a change in colour. This literally attracts them to a "sick" plant or crop.

Sick plants or crops can also have low sugar or Brix levels and often high nitrate levels, which pests thrive on. If Brix levels can be raised, pests often cannot digest plant material with a higher nutritional level, as it does not suit their digestive systems. This in part can explain why pests will attack some crops or pasture, yet just over the fence the crops are left untouched.

This phenomenon is easily proven. Grow a plant, a potato for instance, according to the guidelines for 100% organic farming with the two bio-fertilizers, and also grow one according to conventional practices with chemical fertilisers and sprays. Keep track of the sugar (Brix) readings and notice which plant is devoured by insects and which is not. Once the quality of a crop surpasses a given level, there will not be an insect problem with it because the crop will not vibrate at a composite frequency corresponding to the insect's food.

When the soil is prepared with Bio-Plant and organic matter, and Pro-Plant is sprayed on the leaves, the plants grow healthily and their vibration is high. Their Brix level is high as well. Insects receive this high frequency vibration and know that the plants are not suitable food. The pest may occasionally visit the crop field, but it will leave without harming it as the healthy vibration throughout the entire crop field is repulsive in terms of its survival.

Chemical fertilizers and poisonous insecticide, herbicide, fungicide, and pesticide sprays create a low vibration in the plants and soil, which opens them to disease and pest attacks. Chemical fertilizers focus on providing high amounts of Nitrogen, Phosphorus, and Potassium and this creates stress and a mineral imbalance, which weakens the plants and lowers their vibration. Insects notice this and see the crops as a food source.

The farmer then uses poisonous chemical insecticides and pesticides to get rid of the pests, but the chemicals lower the vibration of the plants further, which merely attracts more pests. The farmer then

resorts to spraying more and more chemicals or to spraying stronger chemicals, and so the vicious cycle continues around the world, particularly in the USA. Chemical agriculture creates low vibration crops, and as a result, pest problems cannot be eradicated until farmers change to 100% organic farming.

Fungus problems stem from the same problem of a low vibration in the plant. Chemical fertilizers and sprays destroy the natural resonance of a plant, and when this happens the plant is susceptible to disease as well as insect pests.

Every object has a natural vibratory rate. This is called its resonance. When a plant is in a state of health, it emits an overall harmonic of health. However, when a frequency that is counter to its health is applied, it creates a disharmony, which results in disease.

Unhealthy plants from sick, poison-fed soil give off slightly higher ethanol and ammonia infrared signals than healthy plants. This is particularly true of modern farmed ammonia-drugged plants. Ask any professional entomologist what are two of the most universal attractants of insects, and they will agree they are ethanol and ammonia, both precursors of fermentation and death. It is no wonder that crops are attacked so much nowadays by pests and diseases.

In short, if the microbial life of the soil has been restored, and the farmer provides the plants a full range of major, minor, and trace nutrients, then the Brix level of the crop will be high, the vibration frequency will be high, and the plants will be free of diseases and insect pests.

Note: Please refer to this website for more information about this:
https://permaculturenews.org/2013/05/29/how-plants-repel-insects-an-observation-of-monarchs-brix-and-nutrient-dense-plants/

Summary Version

Why Crops Using Bio-Plant and Pro-Plant Have Few Pest and Disease Problems

Dr. Philip Callahan has discovered the following:

- Insect antennae receive various wavelengths of energy.
- Once the information is received, the insect's brain determines whether the frequencies correspond to a mate, food, water, or something else.
- He and other scientists have discovered that insect spines are also real antennae.
- Everything emits a vibration. The vibrational frequency of all the parts of a thing makes up its composite vibrational frequency. This is what the insect receives and processes.
- If a plant is in perfect or near perfect health (mineral balance), it will vibrate at a given frequency.
- If there happens to be a mineral deficiency, it will vibrate at a slightly different frequency.
- If there is a serious deficiency or several deficiencies, it will vibrate at a significantly different frequency that the insects know as food, hence an insect infestation will occur.
- In addition, the light frequency of "sick" plants and trees changes, which pests can identify as a change in colour. This literally attracts them to a "sick" plant or crop.
- Sick plants or crops can also have low sugar or Brix levels and often high nitrate levels, which pests thrive on.
- If Brix levels can be raised, pests often cannot digest plant material with a higher nutritional level, as it does not suit their digestive systems. This in part can explain why pests will attack some crops or trees, and just over the fence there is no attack.
- This phenomenon is easily proven. Grow a plant according to the guidelines for 100% farming with the two bio-fertilizers, and also grow one according to conventional practices.
- Keep track of the sugar (Brix) readings and notice which plant is devoured by insects and which is not.
- Once the quality of a crop surpasses a given level, there will not be an insect problem with it because the crop will not vibrate at a frequency corresponding to the insect's food.
- When the soil is prepared with Bio-Plant and organic matter, and Pro-Plant is sprayed on the leaves, the plants grow healthily and their vibration is high. Insects receive this high frequency vibration and know that the plants are not suitable food.
- The pest may occasionally visit the crop field, but it will leave without harming it as the healthy vibration throughout the entire crop field is repulsive in terms of its survival.
- Chemical fertilizers and poisonous insecticide, herbicide, fungicide, and pesticide sprays create a low vibration in the plants and soil, which opens them to disease and pest attacks.

- Chemical fertilizers focus on providing high amounts of Nitrogen, Phosphorus, and Potassium and this creates stress and a mineral imbalance, which weakens the plants and lowers their vibration. Insects notice this and see the crops as a food source.

- The farmer then uses poisonous chemical sprays to get rid of the pests, but the sprays lower the health and vibration of the plants further, which merely attracts more pests.

- Chemical agriculture creates low vibration crops, and as a result pest problems cannot be eradicated until farmers change to 100% organic farming.

- Fungus problems stem from the same problem of a low vibration in the plant.

- Chemical fertilizers and sprays destroy the natural resonance of a plant, and when this happens the plant is susceptible to disease as well as insect pests.

- Every object has a natural vibratory rate. This is called its resonance. When a plant is in a state of health, it emits an overall vibration of health. However, when a frequency that is counter to its health is applied, it creates a disharmony, which results in disease.

- Unhealthy plants from sick poison-fed soil give off slightly higher ethanol and ammonia infrared signals than healthy plants. This is particularly true of modern farmed ammonia-drugged plants.

- Two of the most universal attractants of insects are ethanol and ammonia, both precursors of fermentation and death.

- In short, if the microbial life of the soil has been restored, and the farmer provides the plants a full range of major, minor, and trace nutrients, then the Brix level of the crop will be high, the vibration frequency will be high, and the plants will be free of diseases and insect pests.