

Product:

Penergetic-p

User:

Fray Bentos – Uruguay

Adviser /

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User Application report

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PENERGETIC-p – tests with tomatoes

Introduction

The use of biological supplies is a greater need on this time, in the fruits, vegetables, agricultural and cattle sectors due to the increase of the conventional supplies costs, the growing demand of the markets and the need to take care of the resources, soil and water. Nevertheless it has advanced in the investigation of biological supplies. We must put attention on those technologies and supplies (authorized by the regulations authorities) that promote the performances and cooperate in the health and biological value of the final products.

The supplies able to act as "endohelicitores", improving the metabolic activity of the plant and their productivity, health and quality, constituted in fundamental allies on the proposal of a production systems agro-ecological sustainable.

Penergetic-p is a supply, which acts as a developer of the growth and promotes the following desirable biological processes:

- Increase walls cell.
- Improve the roots development (quantity and length).
- Sugar and proteins synthesis (so much structural as formation) of long chains and high molecular weight that join the higher biological value of the final product with the protection against biological agents like plagues and illnesses.
- High percentage of photosynthesis set against the respiration whose balance conduct to greater energy efficiency and at least to a more efficient use of the nutritious resources, water and environmental energy.

We conclude that Penergetic-p is an ally with high value for the plant's nutrition, mainly by the synergy with a biological leaf fertilizing with easier absorption and friendly with the environment. Improve the nutrients use and the plant molecular power synthesis with the beneficial consequences in the quality, health and biological value of the final product, as well as in the protection of the natural resources, soil, water and air.

Fray Bentos, Uruguay

Applications of Penergetic-p

- Rate 100 gr. / ha or
- Dilutions spraying backpack 3 gr. / 15 liters

Trial Organic leaves fertilizing and Penergetic-p
Vegetable Tomato

▫ Material and methods:

On two pieces of land we planted 10 plants of pear tomato Roma variety each one. We did 4 applications, each one among 15 days.

The applications were done with a spray backpack at the rate of a proportion of the 9% in volume. We applied 900 gr. of product Superlean in 10 liters of water in both piece of land but in the treated we added 2 gr. of Penergetic-p per 10 liters of water.

▫ Results:

	Leaf Fertilizing and penergetic-p	Leaf Fertilizing alone
Qty of tomatoes per plant	25	27
Tomato average weight	75 gr.	51 gr.
Brix	10.1	6.0
Lost plants	1	4
Total harvest	12'150 kg	3'672 kg

We can highlight the best healthy conditions, weight per tomato, factors which determine the performance of the harvest. Another important element is the "brix", the content of total soluble solids, which at least determine the quantity of useful dry material from the fruits. This is a important information for final consumer and/or industrial production purpose.

All the trials were carried out in the zone of Casa Blanca, Paysandú-Uruguay

Organic tomatoes comparison

