

MICROFERT & MICROFERT PRO



Microfert Product Series is specially formulated through full decomposition of organic material where harmful pathogens are eliminated, then fortified with beneficial microbes, trace elements, and amino acids to provide best nourishment for your plants' needs.

Microfert is suitable for plant growth and yield improvement. Also, it's retained soil moisture and nutrients. While, Microfert Pro is the advanced composting product with additional booster such as *Trichoderma sp.*, *Bacillus subtilis* and *Streptomyces* to specifically manage wide ranges of plant diseases especially related to fungus.

At the same time, these microorganisms are versatile plant growth promoters and bio-control agents. Research has shown that presence of *Bacillus sp.* and *Trichoderma sp.* significantly improved the efficacy, stability, and uniformity of the microbes on plant disease protection and growth promotion under various environments and soil conditions. (Stockwell et. al., 2011).

Example plant diseases such as Fusarium Wilt - Panama disease (Banana), Basal Stem rot disease (Oil Palm), White Root disease (Rubber) and etc.

These products are best used to for various crops and especially oil palm, banana, durian, rubber, vegetables and fruits.



GOOD AGRICULTURE PRACTICES



Product Features	Basic Starter	Nourish Supplement
100% plant base organic matter	✓	✓
Trace elements	✓	✓
Amino acids	✓	✓
Plant growth-promoting bacteria (PGPR)	✓	✓
Bio-control agent	✗	✓
Increase nutrient availability and water absorption	✓	✓
Improve soil physical and biological properties	✓	✓
Enhance root growth development	✓	✓
Increase germination and support early growth	✓	✓
Protect plants from diseases	✗	✓
Improve plant stress tolerance	✓	✓
Suitable for early planting stages	✓	✓

WHAT MAKES A GOOD COMPOST?

Particle size
<25mm

EC 2 - 4 dS/m

Organic matter
50 - 60%

Addition of highly
Functional EM



Completely
Fermented

C/N ratio
10-20%

pH 5.5 - 7.5

Moisture content
25%-30%

HOW TO INCREASE THE RATE OF GERMINATION AND TRANSPLANTATION?

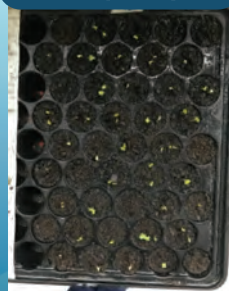
To determine the seed germination by using different formulation of organic soil. Each treatment consists of 25 grams for one hole with total 45 planting hole. The plant was watered three times a day and were observed for 7 days. The observation and the germination rate are recorded in the picture as per below:

Company A



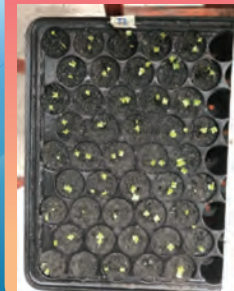
Total planting hole: 45
Total seed germinated: 43
Germination Rate: 95.56%

Company B



Total planting hole: 45
Total seed germinated: 36
Germination Rate: 80%

Microfert



Total planting hole: 45
Total seed germinated: 45
Germination Rate: 100%

HOW TO USE?

- Application in planting hole/soil drenching during transplanting to promote rooting of plant
- Effective for moist soil.
- Can be used throughout the whole cycle of the plant (especially during vegetative growth and flowering)
- Suitable to apply during rainy season in order to control the emergence of plant diseases.



APPLICATION RATE & METHOD

Fertilizer can be used as a basic fertilizer or as an additional plant material. It is suitable for all crops.

CROP	APPLICATION RATE	APPLICATION METHOD
Vegetables	250 g / m ²	Apply during ploughing
Fruits	750 g - 1 kg (immature)	Apply in planting hole (One round per month)
	3.0 - 5.0 kg / plant (mature)	Apply after harvesting
Oil palms	1 kg / plant (immature)	Apply in planting hole
	3.0 - 5.0 kg / plant (mature)	Apply around palm circle

The amount of usage according to different factors such as soil type, fertility and plant types.

Manufacture by:

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