OFS Soil Health Strategies

# Vegetable planting ...

## Consistent emergence & growth to maximise profits

**Improve the soil**

**... improve survival of transplants**
**... improve emergence of seedlings**
**... improve early growth**
**... improve soil microbial activity**
**... reduce disease pressure**

## Without fumigation

It is vital to maximise the number and activity of healthy soil microbes to ensure plant roots stay healthy and support high levels of production.

This OFS program is ideal for soils that haven't been fumigated.

| | |
|---|---|
| **MicroPlus** | **Inoculate a wide range of microbe species. Apply 1kg/ha at planting, or 250 - 500g/100L water as transplant dip or drench** |
| **Actinobact** | **Powerful beneficial microbes; fast acting Apply 1-2L/ha every 7-14 days via irrigation** |
| **Fish Plus** | **Stimulate soil microbial activity; via irrigation or as soil drench Apply 5-10L/ha every 7-14 days** |
| **Super Kelp** | **Stimulate early root growth and reduce plant stress; Apply 5L/ha every 7-14 days** |

## After fumigation

Fumigation of soils provides the benefit of killing plant pathogens in the soil however it has the problem of also killing beneficial microbes and potentially leaving a "biological vacuum" that can be easily repopulated by pathogens.

This OFS program ensures a wide range of beneficial microbes are re-established quickly in fumigated soils.

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ORGANIC FARMING SYSTEMS

***OFS Soil Health Strategies ... cost effective ... targeted ... intelligent***

## Fish Plus - Ideal for soil health

All the benefit of Fish Emulsion plus:

- Stimulates a diverse range of microbes
- Fulvic acid to improve nutrient uptake
- Promotes root growth
- Suitable for soil and leaf application

For optimum crop performance apply to soil regularly during growing season.

## Super Kelp - Stimulates root growth; reduces stress

A healthy root system and reducing crop stress are vital for longer term production and profitability.

- Improves root growth - allows the plant to absorb nutrients like P and Ca
- Reduces plant stress caused by drought or frost
- Mixes easily with fertiliser (low pH formulation)

## Actinobact - Fast acting, powerful beneficial microbes

Contains Streptomyces sp & Bacillus subtilis - Powerful beneficial microbes from important groups of soil organisms.

- Naturally colonises and shields the plant root system
- Easy to use liquid formulation
- Mixes with most fertilisers and ag-chemicals

## MicroPlus - Platform for biological agriculture

- Contains beneficial fungi & bacteria including Mycorrhiza, Trichoderma, Bacillus, Streptomyces, Pseudomonas, Azospirillum, Azotobacter, Azorhizobium
- Activates nutrient uptake
- Dissolves hard to capture nutrients like P and Ca
- Microbes in MicroPlus out compete pathogens & improve root health

## 2015 International Year of Soils - 2015 United Nations Year of Soils

*"Soil degradation is a silent process but with huge consequences for humanity ... we are losing 30 soccer fields of soil every minute, mostly due to intensive farming".*

The UN recommends, "*improving soil health to improve soil structure & porosity, water infiltration rate & moisture holding capacity, and nutrient availability.*"

***"Soil quality is directly linked to food quality & quantity."***

***It all starts with the soil ... be part of the solution & give your vegetables a soil health boost now.***

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