



## Foundation Fish

97.5% Cold processed pure liquid fish  
**Organic Liquid Fertiliser and  
microbial stimulant**



**BFA CERTIFIED  
ORGANIC INPUT A16004**

### For Use on:

\*Lawn \*Shrubs \*Flowering plants \*Vegetables  
\*Pasture \*Vines \*Fruit trees \*Field crops \*Soil

Cold Processed "**Foundation Fish Fertiliser**" is safe and suitable for all soils, crops and plants.

*For use where nutrient uptake is required promoting:*

- **Foliar Nutrition**
- **Stimulation of natural soil microbial and earthworm activity**
- **disease, mould and pest prevention**
- **Enhanced flavour and texture of crops**

Available sizes: 1 Litre, 5 Litres, 20 Litres, 200 Litres, 1000 Litres and 23,000 Litres

## **PRODUCT DESCRIPTION**

"Foundation Fish Fertiliser" is manufactured from Atlantic Salmon (a by-product of the Tasmanian aquaculture industry). It is produced using a cold-enzyme process to retain the sensitive nutritional qualities of the fresh raw fish (such as enzymes, vitamins and omega oils). Protein is converted to the premium form of amino acids and peptides. Cold Processed "Foundation Fish Fertiliser" contains a board range of essential Macro and Micronutrients in organic form, with proteins and omega 3 oils. A final multi-stage screening process removes particles larger than 96 microns to ensure compatibility with contemporary spraying and irrigation equipment.

## **BENEFITS**

Benefits can be seen in strong, balanced growth both above and below the ground, good pest and disease resistance due to balanced nutrition. Benefits are usually cumulative, becoming increasingly evident with each application.

The key to fish Fertiliser is not just its nutrient analysis (N and trace elements). "Foundation Fish Fertiliser" is an extremely powerful bio-stimulant for intense beneficial microbial activity. Fish Fertiliser has been used for decades because of its ability to build up poor and tired unproductive soils by stimulating microbial processes in the soil (in addition to supplying non-leaching nutrients).

For instance just the application of "Foundation Fish Fertiliser" has been found to rapidly stimulate trash and stubble decomposition. This is in part due to the natural enzymes found with in Foundation fish, and part the stimulation of decomposer organisms already present in the soil.

Microorganisms require a balanced food source and moisture to be productive. Adding sugars such as molasses is not enough as this only stimulates certain kinds of microbes such as fungi. Over stimulation of just one kind of microbe can lead to an imbalance. Foundation Fish comprises a natural balance of sugars, carbohydrates, omega 3 oils, amino acids and other essential ingredients (in addition to its nutrient value) for stimulating balanced microbial activity.

Microbial activity is not only important for soil building processes, but also for protecting plant surfaces. Applying foliar applications of Foundation Fish stimulates a natural covering of microbes over the plant leaf and root surfaces. This provides the plant with an army of defensive beneficial bacteria and fungi that stop and control plant damage from predator and disease causing organisms. In addition beneficial microorganisms aid in transporting food through the plant surfaces and aid with day-to-day metabolic processes.

As a result many growers have noted a decline in damage from fungal diseases and many sucking pest insects.

Crops, fruit and gardens: As a result you may see increased yields, reduced input costs, better disease and pest resistance, increased humus, stronger root growth, increased drought resistance, increase in earthworm numbers, better tasting and healthier produce, better shelf life, improved ascetics/confirmation, less weeds.

Grazing: Benefits can be seen in healthier animals, brighter coats, increased resistance to parasites, increased contentment, better weight gains also thicker pastures, deeper grass colour and more rapid manure breakdown.

"Foundation Fish Fertiliser" is a BFA certified organic based fertiliser for use on broadacre, viticulture and horticultural crops as well as garden, tree and native plants.

"Foundation Fish Fertiliser" :

- Can be applied as a soil drench by spray, trickle or irrigation directly to root zone of plants.
- Foliar application for supplemental feeding of nutrients and trace elements.
- Organic content assists in restoring pH balance to soils where chemical based fertilisers have been over used.
- Organic content will help maintain soil bacteria and microbes.
- Includes all major nutrients and trace elements.

## PROXIMATE ANALYSIS

Crude protein	16.0%	Nitrogen	2.50%	Magnesium	0.03%
Fish oil	25.0%	Phosphorus	0.41%	Copper	0.01 mg/L
Ash	2.5%	Potassium	0.14%	Iron	0.08 mg/L
Stabiliser	2.0%	Calcium	0.31%	Zinc	0.06 mg/L
Total Solids	47.0%	Magnesium	0.03%	Boron	0.004mg/L
		Sodium	0.27%	Manganese	0.01 mg/L
		Sulphur	0.16%		

**Active ingredients:** Cold processed pure Tasmanian Aquaculture Atlantic Salmon fish 97.5%

Note: This product is NOT A FISH EMULSION –Fish Emulsion is usually waste fish (bi-catch) which is then cooked, followed by fat and protein extraction, final product being the remaining slurry diluted (up to 80%) often with urea etc added.

"Foundation Fish Fertiliser" is processed from 100% Tasmanian Atlantic Salmon grown in aquaculture (thus very consistent). Once filleted the whole fish is digested in a cold process using natural enzymes. No part of this liquid fish is removed. This product is intact and biologically active making it superbly suited as an organic certified soil stimulant.

## MODES OF ACTION

### FOLIAR APPLICATION:

"Foundation Fish Fertiliser" is suited as a foliar application for boosting crops from early to late stages of maturity. Trace elements, minerals and complex organic compounds are absorbed into the plant's leaf surface and are rapidly translocated to the roots. Foliar absorption is immediate. Increased brix (sugar/mineral) levels can be measured within 20 minutes. Residues left on the leaf surface help suppress insect and fungal attack by encouraging fungal bacteria and reducing insects leaf palatability – most pest insects dislike plants with higher brix levels.

### FOLIAR & SOIL APPLICATION:

"Foundation Fish Fertiliser" can be used as a soil drench to encourage rapid microbial and earthworm activity, especially where chemical usage has decreased soil biological activity in the past. Following application, stored sugars are released from the roots as energy for growth and fruit/tuber production. Root hairs exude sugars and these stimulate healthy microbial activity in adjacent soil. These microbes flourish & immediately begin unlocking stored nutrients from the soil.

## APPLICATION

**General:** "Foundation Fish Fertiliser" is best applied early morning, late afternoon, evening or in cool moist conditions. When used as a foliar, spray leaves, stems, underside of leaves and soil. (Contact Eco-Growth for detailed specific programs.)

**Application Equipment:** "Foundation Fish Fertiliser" may be applied by conventional home garden equipment and agricultural spraying equipment, including hand sprayers, watering can, hose on applicator, backpack, boom, airblast, fertigation and drip systems. Can be spread undiluted from the air. Remove very fine filters to maximize flow rate. Use nozzles larger than 100um.

**Home Gardens and Lawns:** Use 50L/Ha (5ml/sqm). Dilute at least 1:50 with water. Apply every month from Spring to Autumn. Spray plants to the point of drip.

**Vegetable crops:** Apply to soil prior to planting - use 100L/Ha (10ml/sqm). Dilute at least 1:10 with water. Follow up with regular foliar applications every 10 to 21 days at 15L/Ha (15ml/sqm) diluted at least 1:50 with water.

**Fruit Trees & Vines:** Apply to the soil at bud burst or first spring flush - use 100L/Ha (10ml/sqm). Dilute 1:50 with water. Foliar spray before flowering and at petal fall - apply 20L/Ha (2ml/sqm).

**Pasture:** Apply 10-20L/Ha in Spring and Autumn. Dilute sufficiently with water to obtain an even distribution (recommended 200L of water per Ha).

**Field Crops:** Apply 30-50L/Ha at establishment and 10-20L/Ha just prior to flowering.

**Cautions:** "Foundation Fish Fertiliser" contains Fish Oils, and should be tested before applying to delicate flowers and fruits.

**Mixing:** Eco-Growth International does not recommend mixing "Foundation Fish Fertiliser" with other products other than when specific compatibility is listed within the Eco-Growth range. Many growers have reported good results using "Foundation Fish Fertiliser" with certain chemical Fertilisers to boost their effectiveness.

- Mix well before use and every two months in storage.
- Do not store in diluted form.
- Not to be taken.
- Remove fine strainers and filters. Use nozzles larger than 100um
- Do not apply undiluted to plants other than pasture.
- If equipment has previously been used for pesticide, neutralize with recommended neutralizing agent and triple rinse.
- Wash equipment after use.
- Several small applications are better than one large.
- The user is referred to safety information contained in Material Safety Data Sheets available from Eco-Growth.

Note: The information in this document is provided to the user in good faith and represents knowledge of the product and processes at the date of printing. Every care is taken during manufacture and handling of this product and the preparation of recommendations pertaining thereto. The manufacturer or their agents accepts no responsibility for damage arising from misuse or non-adherence to current recommendations.



**Eco-Growth International Pty Ltd**

55 Benara Rd, Caversham, WA 6055

Phone: (08)-9378-7077

Fax: (08)-9378-7099

[www.ecogrowth.com.au](http://www.ecogrowth.com.au)

Email: [info@ecogrowth.com.au](mailto:info@ecogrowth.com.au)