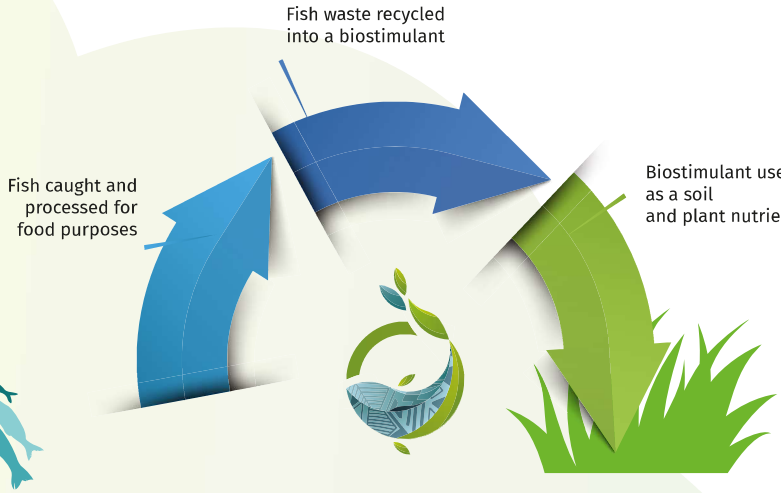
MADE IN NEW CALEDONIA

# ORGANIKA

# A FISH-BASED AGRICULTURAL BIOSTIMULANT

ORGANIKA is an agricultural biostimulant made from New Caledonian commercial fisheries by-products. It is **made on Lifou Island and can be used in organic farming.** The application methods include spraying onto leaves and spreading onto soils, making it compatible with commercial farming methods.

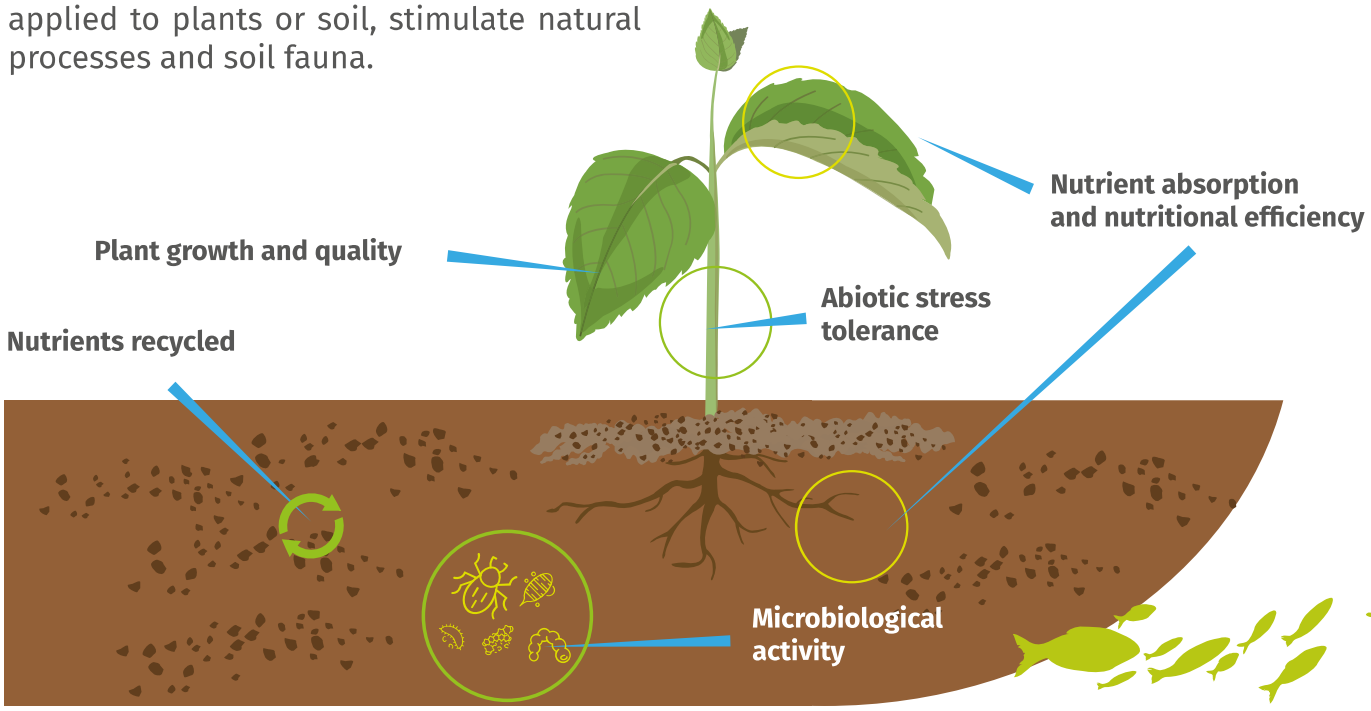



ORGANIKA is the outcome of a virtuous production cycle. Waste products from fish processing, such as heads and carcasses are collected and reused to manufacture a local, environmentally-sound quality product which contributes to New Caledonia's vibrant agriculture.

# FERTILISER OR BIOSTIMULANT ?

## Biostimulants

Biostimulants are substances which, when applied to plants or soil, stimulate natural processes and soil fauna.




## Fertilisers

Fertilisers are a way of adding nutrients and minerals to the soil that can be directly assimilated by plants. There is a large variety of fertilisers made from chemical or organic matter such as manure. Using large amounts of artificial fertiliser can gradually deplete the soil and pollute the air, water and soil, leading to possible human health hazards.

**Organika** is not a fertiliser, but rather a **biostimulant that enhances general plant health and resistance to external aggression**. By fostering plant health and quality, it enhances crop yields while reducing the need for plant health products.

# CONTENTS AND BENEFITS

**Many benefits have now been acknowledged and both controlled-trial results and user feedback in New Caledonia and the region show :**

- Better yam crop yields in terms of weight and number (soil fertirrigation trials followed by leaf spraying);
- A booster effect in open-field trials with leaf sprays and better root development with soil fertirrigation;
- Testimony from amateur and professional horticulturalists on the benefits observed on green, flowering and fruit plants;
- In New Zealand, these products are used on a large scale on pasture to reduce chemical fertiliser use (source: United Fisheries - Biomarinus).

**Analysis :** NPK - 3-1-0.5

| | |
|---|---|
| **Physical and chemical parameters and Organic matter** | |
| PH 3 | |
| Dry matter % | 25 |
| Organic matter % | 12 |
| **Nitrogen values** | |
| Total nitrogen (%) | 3 |
| C/N total | 3,5 |
| **Major elements (%)** | |
| Total phosphorus | 1 |
| Total potassium | 0,5 |
| Calcium | 0,1 |
| Sodium | 0,1 |
| **Trace minerals (mg/kg)** | |
| Boron | 2,6 |
| Copper | 1 |
| Iron | 140 |
| Manganese | 1,5 |
| Molybdenum | 0,1 |
| Zinc | 9 |
| **Agricultural parameters** | |
| OMSI (% OM) : | 85 |
| BSI : | 0,1 |

Gross product values. These may vary slightly depending on cycles and fish product composition.

Sources:
pH, DM and % N,P,K: LNC (2019-2021 average)
Other parameters: Auréa 2018 and 2021

**Recommended application :**
Dilute the product in water before use, based on the following doses and times.
Avoid applying in the sun. Prefer mornings and evenings.

**Spraying on leaves :**
1 % once a week

**Applying to the soil :**
1 to 5 % once a fortnight

**Caution:**
- Shake before each use
- Store in a dark place
- Keep out of the reach of children and animals
- Do not swallow

Unité de Traitement des Déchets de Poissons

# MANUFACTURING PROCESS

This is an exclusive process based on New Zealand know-how that enables naturally occurring proteins, amino acids and micronutrients to be preserved.

## Production stages

**Fish waste** + **Enzyme cocktail**

High-temperature brewing

**Harvest**

**LIQUID**

**SOLID**

Filtration

Stabilisation

ORGANIKA BIOSTIMULANT

ADEME – AGENCE DE LA TRANSITION ÉCOLOGIQUE

In 2018, the initiative received ADEME "Circular Economy" certification awarded for environmentally sound practices.

BIOCALEDONIA ASSOCIATION

For use in organic farming

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