



PRODUCT INFO
& DATASHEET

SICO ORGANIC FERTILISERS

Naturactiv® & Bioactiv® & Sicorgan® & Proturf® & Ecoprof® & Ecogreen®

1/ INTRODUCTION

SAP International Corporations offers a unique and complete range of organic fertilisers for professional use and a consumer range of lawn fertilisers produced in Belgium and the Netherlands in various qualities & ingredient compositions.

* **Sico organic fertilisers** are built out of natural components of animal and/or vegetable origin, such as poultry manure, bloodmeal, bonemeal, soyameal, feathermeal, rock phosphate, vinasses, organic seaweed, hoof- & hornmeal etc.

* **Sico organic fertilisers** are organic fertilisers that are complemented with mineral nutrients to enrich the organic fertiliser. Examples of these mineral supplements that are extracted from nature are: potassium chloride, magnesium oxide, ammonium sulphate, diammonium phosphate and others. The combination of organic fertilisers & mineral fertilisers is necessary for certain applications, and releases its nutritious value gradually to the soil.

* **Sico organic fertilisers can also be complemented by the adding of chemical supplements** to establish a faster, easier mineralisation. For example in colder conditions or with fast growing crops, the need of amending chemical nutrients with organic nutrients is necessary. The chemical supplement of the fertiliser is immediately available for the plant, whilst the organic part of the fertiliser has a long term effect.

2/ HOW DO ORGANIC FERTILISERS WORK?

Organic and organo-mineral fertilisers need to be broken down by soil organisms (bacteria) to release their nutrients gradually to the roots of the plant. By releasing these bioactive compounds and humic substances into the soil they optimize plant growth and root development. Organic and organo-mineral fertilisers can release their nutrients over a period of minimum 2 months and up to 4 months, depending on their specific composition.

3/ ADVANTAGES OF ORGANIC AND ORGANO-MINERAL FERTILISERS

1. No use of risky organic waste materials in our products.
2. Because of their composition (organic origin) they improve soil structure, they increase the amount of organic matter and stimulate soil organisms (microfauna) and bacteria life.
3. No leaching = more results on plant growth and development.
4. Organic fertilisers respect the environment, it is a safe and clean way of fertilisation, **they are safe to humans, animals and plants.**
5. Organic fertilisers do not dissolve quickly.
6. Organic fertilisers are slowly broken down by micro-organisms in the soil.
7. Organic fertilisers will not force or burn the plant

4/ SICO CLASSIFICATIONS OF FERTILISERS

Because our clients both in the EU and overseas operate in different fields, we offer them the possibility to choose between different classifications of fertilisers.

Below we give a small overview to inform you about the different options.



**PRODUCT INFO
& DATASHEET**

*** NATURAL FERTILISERS**

Natural fertilisers are those fertilisers who are made from basic materials appearing in nature. These raw materials, which are free from harmful by-products, are collected in their original form and then processed by us into fertilisers without adding any chemical materials. The materials that are used to compose this type of fertilisers are a combination of natural mineral (stone meal, rock) and natural organic products (vegetable and/or animal origin). In some cases they will only contain natural organic substances (eg. NATURACTIV, BIOACTIV, some SICORGAN formulas based on poultry manure).

*** ORGANIC FERTILISERS WITH BIO CERTIFICATE**

Organic fertilisers with a bio certificate are fertilisers that are allowed in the EU for organic biological farming. They solely contain raw materials that are in full compliance with the EC regulations (837/2007 & 889/2008)

*** ORGANIC FERTILISERS WITH ADDED MICROLIFE**

Organo-mineral and organic fertilisers can be enriched with add-ons, in order to fortify the fertiliser or to make the fertiliser more suitable for special applications. These add-ons will establish a better growth pattern, a more balanced crop development or an improved growth start after planting the crop. In addition: these add-ons can make the plant more resistant against diseases, viruses and bad weather conditions.

*** ORGANIC FERTILISERS WITH CHEMICAL SUPPLEMENTS**

Organic fertilisers with chemical supplements are organic fertilisers enriched with chemical nutrients to establish

a faster/easier mineralization, a necessity in some circumstances.

The chemical nutrients have an immediate effect on the plant, and the organic nutrients have a long-term effect on the plant.

5/ SICO HUMIPLEX: THE NATURAL ROOT ENHANCER

Humiplex- is a unique natural product that comprises two important components: Humic acids and Fulvic acids. Humic acids are dark organic substances with a high molecular weight and Fulvic acids are light substances with

a low molecular weight. In combination they will improve the soil physically, chemically and biologically.

As a result, Humiplex- has a direct impact on the fertility of the soil and stimulates the growth of root hairs: the number one mechanism of food intake for a plant.

Below we present schematically the different positive impacts of Humiplex- on the growth pattern of a plant. Hereby the added value of Humiplex- to various SICO products becomes clear.

FAST GERMINATION

Ideal for lawn construction (ECOGREEN Gazon)

BETTER ROOTING

Ideal for lawn construction with grass sods (ECOGREEN Recovery)

FAST REGROWTH OF ROOTS

Ideal after scarifying (ECOGREEN Recovery)

DENSER VEGETATION

Ideal for a thin lawn (ECOGREEN Recovery)

Ideal for on enfeebled lawn after winter (ECOGREEN Gazon)

IMPROVED HARDNESS

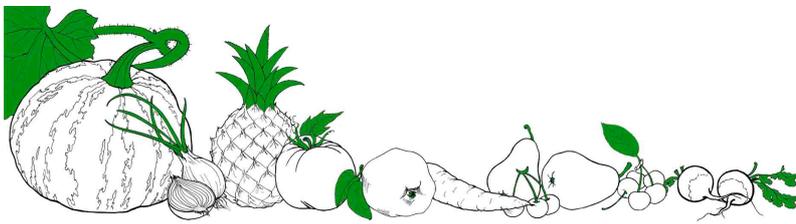
Ideal to improve the hardness of the cell construction from a plant (ECOGREEN Recovery as Autumn Treatment)

Ideal for intensive usage (ECOGREEN Recovery)

Any information in this publication is believed to be accurate and is given in good faith, but is for the customer to satisfy himself of the suitability for his own particular purpose. No representation, warranty or guarantee is made to its accuracy, reliability or completeness.

**SAP INTERNATIONAL CORPORATION bvba Krekelenberg 69, B-2980 Zoersel, Belgium
Tel. +32-3-309.06.51 Fax. +32-3-309.19.31 Email : info@sico.be Website : www.sico.be**

SICO FERTILISERS
EVERY TIME THE RIGHT SOLUTION



**PRODUCT INFO
& DATASHEET**

6/ CUSTOM MIXED TAILOR MADE ORGANIC FERTILISERS – How to enquire?

We can indeed produce various custom mixed/tailormade organic NPK fertilisers as per your local requirements!

A) WHAT THE CROP NEEDS

Although each crop has its own specific requirements for growing well, they all need the basic ingredients.

The most important nutrients are:

- Nitrogen (N), for the development of the plant
- Phosphate (P), for the development of the roots
- Potassium (K), for the movement of sap through the plant

Besides these nutrients, organic matter is necessary for fertile soil life. Each crop and soil type needs different proportions of organic matter and NPK for the best possible development of the plant.

Our extensive range makes it possible for us to satisfy these requirements. If, however the crop requires a different composition, **a special mixture can be developed in mutual consultation**.

B) YOUR NPK RATIO

After establishing the needs of your crops, a special product will be developed with the required NPK ratio.

The organic fertilisers with the required NPK are mixed and then pressed to form pellets or crumbs.

In addition to specifying the mixing proportions, it is also possible to specify the diameter of the fertiliser pellet.

This flexibility makes it possible to achieve an extremely high crop quality and crop yield.