

BIORCAMP PREMIUM (2-3-4 s.m.s)

Organic fertilizers bring the crops the necessary nutrients, making them easily available for the plants. As they bring organic matter to the soil they improve its structure and quality.

BIORCAMP PREMIUM is an organic NPK fertilizer of animal origin, mostly sheep manure, rich in phosphor (3%) and potassium (4%) and with nitrogen (2%). Its organic origin gives it a high organic matter percentage, which improves the physical and chemical properties of the soil.

BIORCAMP PREMIUM is certified by the *Real Decreto 506/2013, 1174/2002*.

Composition

BIORCAMP PREMIUM is obtained through aerobic composting of sheep and cow manure. During the process, 70°C are reached for over an hour, ensure the cleansing of the product and the elimination of all pathogens.

The production process, as well as the final product, undergoes strict quality controls with the aim of guaranteeing the client's satisfaction and a deep environmental respect in all our activities.

Due to its composition, the product has a high organic matter and humic acids content, which facilitate the ion exchange in the soil-plant system, and improves the CEC ratio thanks to its humic acids. It improves porosity, aeration and water movement in clay soils, and provides a stable structure to the sandy soils.

Its C/N (Carbon/Nitrogen) relation indicates a stable nitrogen mineralization value (10), which means that the nitrogen is available to the plant.

BIORCAMP PREMIUM is rich in phosphor (3%) and potassium (4%), two macronutrients that take part actively in the plants' metabolism and act on the decomposition of the soils' organic matter. The pH is always maintained on the optimal range.

The main physical and chemical properties can be found in the table below.

| PARAMETER | UNIT | VALUE |
|----------------------|-----------|---------|
| HUMIDITY | % m/m. | 15-30 |
| pH | - | 6.5-7.5 |
| HUMIC ACIDS | % s.m.s. | 4.0-5.0 |
| TOTAL HUMIC FRACTION | % s.m.s. | 9-11 |
| FLUVIC ACIDS | % s.m.s. | 5.0-6.0 |
| ORGANIC MATTER | % | 32-38 |
| TOTAL NITROGEN | % s.m.f. | 1.5 |
| ORGANIC NITROGEN | % s.m.f. | 1.3 |
| DIPHOSPHOR PENTOXIDE | % s.m.f. | 2.2 |
| POTASSIUM OXYDE | | 2.8 |
| ORGANIC CARBON | % s.m.s. | 11-15 |
| C/N | - | 8-10 |
| HEAVY METAL (TYPE) | | B |
| E. COLI | u.f.c / g | <10 |
| GRANULOMETRY | - | <10mm |
| SALMONELLA | | NONE |

Format, application and doses

BIORCAMP PREMIUM is sold in bulk, big-bag, or 25Ks plastic sacks. **BIORCAMP** is in dust shape, while **BIORCAMP PELLETT** can be bought in "pellet" format, to apply in localized areas.

The recommended application is as a base fertilizer, burying it 15cm deep in the soil. It can also be used on wood farming to increase the organic matter content of the soil and bring nutrients to the plants.

The following tables show the recommended doses. A soil analysis is recommended to be able to choose the right dose.

| CROP | DOSE (kg/ ha) |
|-----------------------------|---------------|
| Non salty soil | 1.000-1.500 |
| Salty soil | 1.500-2.000 |
| Poor in organic matter | 2.500-3.000 |
| Rich in organic matter | 2.000-2.500 |
| Deserted soils regeneration | 6.000-8.000 |
| Mineral soils | 2.200-2.500 |

| FARMING | DOSE |
|-----------------------|-----------------------------|
| Extensive, rainfed | 800-1.000 kg/ha |
| Extensive, irrigation | 1.000-1.500 kg/ha |
| Horticultural | 1.500-2.000 kg/ha |
| Fruits | 1.200-1.500 kg/ha |
| Olives | 1.500-1.700 kg/ha |
| Flowers | 2.000-2.200 kg/ha |
| Grass | 1.800-2.000 kg/ha |
| Greenhouses | 25-30 kg/ 100m ² |

The use of **BIORCAMP** as a fertilizer brings many advantages and benefits to the user, such as the following:

- No need to use mineral fertilizers, thus saving money
- Its high organic content provides a high CEC, making nutrients more available to plants, and acts as a pH buffer, stopping the plants from getting harmed under pH extreme changes.
- Its high organic matter content improves porosity, aeration and water movement on clay soils, while it gives a stable structure to sandy soils.
- The high humic fraction allows the doses to be lower than when using typical manure, thus saving money.
- It's a product free of pathogens and adventitious seeds thanks to its thermal treatment during production.

use in ecological agriculture

Ecological agriculture is based on the optimal use of the natural resources, and on the absence of sensitized chemical products and genetically modified organisms to obtain highly nutritional, best quality products.

BIORCAMP is an ideal product for ecological agriculture, as the organic matter comes only from animal manure, thus being an environmental friendly product.

BIORCAMP has been certified as an ecological product by the *CE 834/2007* of 28th June 2007, with license from the *Organismo de Control y Certificación Sohiscert*. Certificate number *CT71PAE-11*.