

Kopros® B
Geolife® technology

**Organic substances in optimal
balance**



Bioma®



A Swiss company with more than 30 years of international presence.

BIOMA is a company active in the production and marketing of "Chemical free" and "GMO free" solutions for the food industry, oenology, agriculture, environmental bioremediation, zootechnics and animal and human well-being.

Our products optimize all biological processes through indigenous microbiology and make it possible to reach an optimal balance in the involved biomass. We seek to reduce the environmental impact within each of the previously mentioned areas.

The purpose of BIOMA solutions is to optimize the processes while guaranteeing economic sustainability.



GMO-free



Chemical-free



Risk-free

Geolife® technology

An innovative manufacturing and patented process.

Geolife® is a technology for the extraction and stabilization of organic compounds allowing the activation of our products. This technology makes our products unique, easy to use and safe for the user, animals and the environment.

Kopros[®] B

Better bio-balance of organic materials and their valorization

What is Kopros[®] B?

Kopros[®] B is a complex biological catalyst for the activation of the composting process of cattle and sheep manure. Kopros[®] B enables the transformation mechanisms of manure and slurry to be activated and accelerated.

How does Kopros[®] B work?

Microorganisms are applied to all areas where animal droppings are present (e.g. litter or manure pits, etc.). These stimulate the indigenous microbiological activity, accelerating the humification, mineralization and nitrification processes (composting process), in order to drastically reduce ammonia and other harmful gas emissions.

What are the benefits?



Better bedding hygiene



Better agronomic quality of manure/slurry



Reduction of manure volume



Significant reduction of odors



Improvement of the animal/work environment



Optimization of costs and revenues



Drastic reduction of NH₃

How to prepare it?



Dosage: Adapted to the number of livestock.

Step 1: Rehydration phase (micro-organisms awakening).

Step 2: Filtration and incorporation phase.

Step 3: Activation phase.

How to apply?



Volume of water: adapted to the surface (sq)

Working pressure: max 2000 in H₂O

Frequency of application: every 28 to 30 days

Treated surface: any type of coating / litter

Possible use in the presence of animals

A Kopros® for every farm

Kopros® S

goats

Kopros® B

cattle / sheep

Kopros® H

equines

Kopros® F

pisciculture

Kopros® P

hogs

Kopros® C

poultry / conicle



Our results :

Breeding farm with 30 dairy cows, Düdingen/FR - Switzerland

Use of Kopros® B, trial period 1 year - 2018/2019

	2018 without Kopros® B	2019 with Kopros® B
Milk yield		+ 12'000 l/year
Milk quality	100'000 Ø milk cells	65'000 Ø milk cells

Breeding farm with 100 dairy cows, Barberêche/FR - Switzerland

Use of Kopros® B, trial period 6 month - 2009/2010

	2009 without Kopros® B	2010 with Kopros® B
Milk yields		+ 20'000 l/6 months
Veterinary costs	CHF 14'200	CHF 11'700

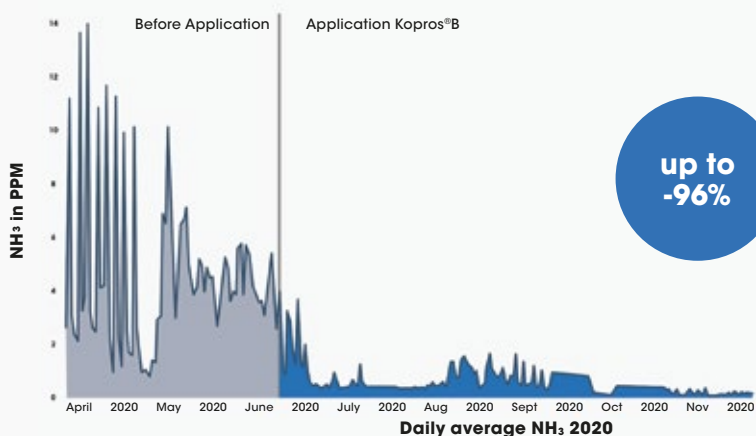
Breeding farm with 105 cattle / dairy cows, Estavayer-le-Lac/FR - Switzerland

Use of Kopros® B, trial period 1 year - 2014/2015

Straw use	2015 with Kopros® B
Deep litter 800 m ²	difference - 60 tons
Cost reduction	CHF 12'000

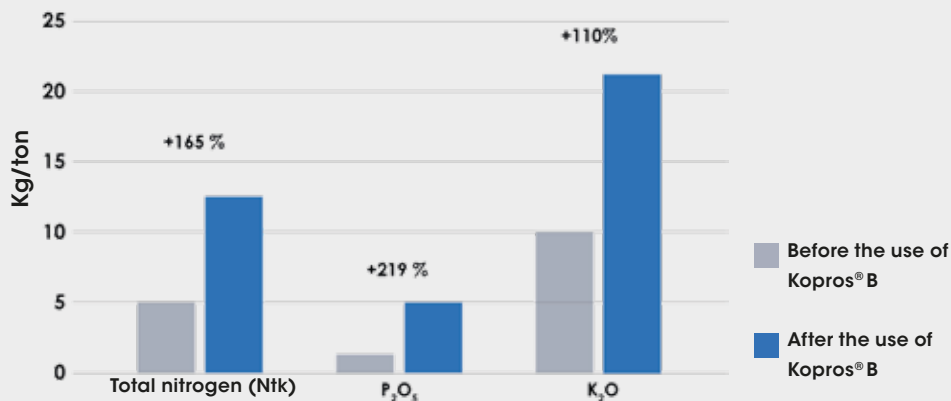
Calf farming results in France 2020

Drastic reduction of ammonia emissions



Dairy farming results in France 2019

Increase in the value of fertilizers



Testimonials from our farmers:

« I hereby confirm that I have been using the Kopros® product on my farm since November 2017 and I am very satisfied with it. I have noticed the following results:

- Very significant reduction of ammonia (no more odor) in the animal environment
- Manure with better fertilizer values and faster composting
- Litters are easier to manage because they are drier and straw is saved, because it needs to be changed less often
- Almost total reduction of odor when manure is spread
- The pits do not crust anymore and I need to stir less

I am totally satisfied with the Kopros® B product, the animal environment, but also my winning soils since I use it. »

M. Bolay, Genolier/VD (Switzerland) 2018

« Use of Kopros® B in our farm:

a. Start of Kopros® B use: October 2018 in the heifer and dry areas; from March 2019 onwards in the whole farm; from March 2019 onwards in the whole farm

b. Type of areas treated:

- Straw stalls: dairy cows;
- Straw bedding: heifers, dry cows and calves

We could find out that:

- There was no ammonia odor: in the barn, there is no longer this smell that "stings" the nose
- The litter and the stalls are drier and more compact and therefore easier to manage; also, the animals are cleaner
- Better animal well-being: less mastitis and foot diseases
- Better milk quality: we have observed a progressive decrease in the amount of somatic cells. »

M. Giaroli, Reggio Emilia (Italy) 2019

« Since we have been using Kopros® B, we have not seen a single case of mastitis or mortellaro. Our cattle have not suffered from coughing anymore. The odor in the stables has considerably improved and ammonia gases are no longer noticeable. The same applies to the surroundings of the building and on our clothes, there is no more bad smell. »

M. Schüpbach, Düringen/FR (Switzerland) 2019

Product composition:

Dried and selected cultures of microorganisms on cereal and talc substrate.

Classification and Labeling:

Chemicals are classified according to their level of physical, health and environmental hazard. These hazards are indicated by specific labels and safety data sheets (SDS). With the GHS (Globally Harmonized System), hazard statements have been worldwide standardized so that the recipients of the information (production workers, first aiders and consumers) can better understand the hazards of the chemicals used. In the EU, the principles of the GHS are ratified in the EU-1272/2008 (CLP) regulation.

In accordance with this regulation, the Kopros® range must not be classified or labeled according to its physicochemical properties, its effects on the health and safety of the environment and is not required to submit a safety data sheet.

The Kopros® range includes only organisms that are naturally present in nature and non-hazardous (WHO Class 1).

Compliance:

The Kopros® range is compliant with the NFU 44-051 standard and compliant with the European regulation EC 834/2007 and the American Regulation NOP (National Organic Program). It can be used in organic agriculture according to FiBL Suisse and Ecocert.

Solar Impulse Efficient Solution

Kopros® has been selected by the Solar Impulse Foundation as one of the 1000 solutions to protect the environment in a cost-effective way.



Kopros®

ZERO EMISSIONS

LIVESTOCK FARMING

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I am chemical free