

Kopros[®] H

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, zootecnics 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[®] H

Better bio-balance of organic materials and their valorization

What is Kopros[®] H?

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

How does Kopros[®] H 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:

Results of the equestrian center in Ependes/FR

33% cost reduction with Kopros® H

	2016		2017	
N° of horses	60		60	
Straw	300 t/year	CHF 79'200		
Straw pellets			180 t/year	CHF 49'500
Kopros® H			6 Kit	CHF 3'600
Total		CHF 79'200		CHF 53'100

Reduction of manure storage and recovery

	2016	2017
N° of horses	60	60
Manure	3000 t/year	
Compost		700 t/year
Cost of manure removal	CHF 35'000	
Earning money from the sale of compost		CHF 15'000

16 boxes for competition horses, 35 boxes for school horses and retired horses, 1200 m² covered ring for training and lessons

- Removal of bad odors.
- The animals live in a healthier environment: increased productivity/sports performance, better psycho-physical balance, veterinary costs reduction, etc.
- Improvement of the living environment of the animals and the working environment of the people.
- Improvement of the organic matter contained in the manure, reducing the time of mineralization and complete humification, thus limiting the use of chemical and organic fertilizers in the soils.
- Contributes to facilitate the cohabitation with the municipalities/residents by considerably reducing the ammonia gas emissions.



MANURE

- 40 % manure
+ Value of
fertiliser
pH = 7 - 9
100% natural
+ Gain

COMFORT

+ Increases
comfort in the
stall



- Thick, soft and stable bedding
- Constant temperature
- Absence of dust
- Activates the organic breakdown process
- Manure is easy to sort
- Drastic reduction of ammonia



- Quieter
- Cleaner
- Tends to grow longer
- Healthier and happier

Results in figures - Ependes/FR equestrian center (2016 vs 2017)



-33%
straw



-50%
working hours



-75%
hard work



+50%
hygiene



-66%
manure
storage



+20%
comfort



-33%
(fat) manure
disposal costs



+Profit from
the sale of
compost

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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European
Commission
Horizon 2020

Nitrobio

Notes:

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I am chemical free