

BIPLANTOL® plus

for manure and compost



Biological fast converter for manure, compost and bark.

Effect

BIPLANTOL® plus serves to accelerate the homogenisation of cattle and pig manure. Dung, compost and bark rots faster.

Experience has shown:

- significant odour reduction of manure and in the shed, reduced ammonia loss
- improved manure liquefaction and homogenisation by faster decomposition of solids
- improved plant compatibility
- burns from the manure on plants or soil organisms (e.g. earthworms) are avoided
- visible enhanced plant and root growth
- treated manure improves fodder quality
- reduced work and cleaning effort in the shed/stable when applied on a regular basis
- economical in use and sustainable
- experimental results of the former LVVG Aulendorf show significantly improved flow of liquid manure
- improved soil structure and water holding capacity

Mode of functioning

BIPLANTOL® plus is a pure biologic-biochemical activation agent that supports the microorganisms in the manure, dung, compost or bark and promotes increased cell division. Both aerobic and anaerobic bacteria are activated to increased cell division whereby an improved homogenisation, odour reduction and nitrogen fixation is achieved.

The nutrients of the refined manure are more plant compatible. Less bacteria bound nitrogen is washed out of the soil.

Composition

Homoeopathic-dynamised complex agent containing in potentised form (D6-D100) the minerals potassium, calcium, iron, magnesium, phosphor and vital trace elements such as boron, germanium, copper; manganese and uronic acids (plant mucilage) among others.

Approved for organic farming according to the EC Organic Regulation (EC) EU 834/2007 and 889/2008 and listed in the FiBL catalogue of organic farm inputs.

No side effects for humans, beneficial organisms and the ecosystem when appropriately applied according to manufacturers instructions. Bees, beneficial organisms and other insects are not affected.

Application and dosage:

There are three types of application methods for manure

Combination method:

- for untreated manure: add 1 liter of BIPLANTOL® plus per 10 m³ of manure in the pit and flushing trench.
- thereafter, add weekly 10 ml of per LSU* in 10 liters of lukewarm water and dispense in the gutter or flushing trench (canister screw cap equivalent to 25 ml for 2.5 LSU in 10 liters of water).

Field application can follow after 3 weeks of initial treatment.

If a residual amount of the activated manure remains in the pit after emptying the pit, a weekly application of BIPLANTOL® plus via the flushing trenches as described above suffices.

10 liters of BIPLANTOL® plus can refine up to 500 m³ of manure by using combination method.

Feeding method:

- for untreated manure: add 1 liter of BIPLANTOL® plus per 10 m³ of manure in the pit and flushing trench.
- thereafter, add daily 1.5 ml per LSU in the fodder or water trough.

This method has been proven successful over many years in Switzerland.

Direct method:

- add 1 liter of BIPLANTOL® plus per 10 m³ of manure in the pit and flushing trench.

Thus 10 liters of BIPLANTOL® plus suffice for up to 100 m³ of manure.

A waiting period of at least 3 weeks is recommended before field application.

new liquid manure pit

When taking a new manure pit into operation, empty first 3 to 4 barrels of liquid manure into the pit.

closed liquid manure pit Oxygen is necessary for the decomposition of manure! Without oxygen the manure starts to putrefy. Please assure that there is sufficient air intake into the pit (e.g. two opposing grates or several holes in the concrete roof).

For bedding

Application in the shed, pen, stable:

In the shed, pen or stable the application has proven successful when used on the bedding.

- After clearing away the dung spray the entire area using 5 ml of BIPLANTOL® plus in 1 liter of water on 10 m².
- spray the fresh dung layer 1 x per week using 20 ml of BIPLANTOL plus in 200 ml of water.

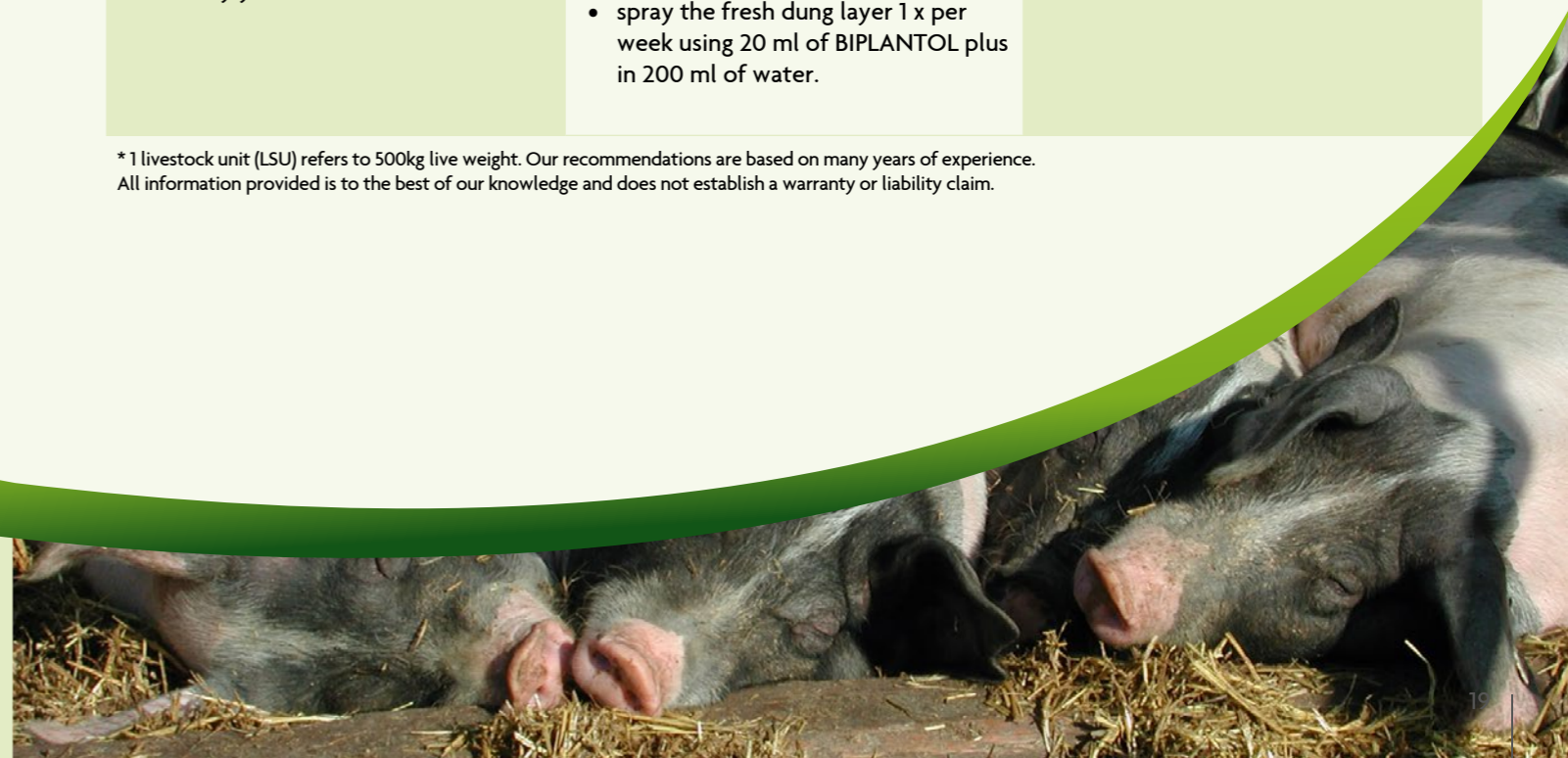
Dung, compost and bark composting

- water or spray 20 ml of BIPLANTOL® plus per 1 m³ uniformly.
- depending on the moisture of the material mix thoroughly in 5 liters of water
- build-up in layers: mix 50 ml of BIPLANTOL® plus in 10 liters of water and dispense uniformly over a 20 cm thick layer of dung, compost or bark layer per 10 - 15 m².

Up to 500 m³ can be treated using 10 liters of BIPLANTOL® plus.

* 1 livestock unit (LSU) refers to 500kg live weight. Our recommendations are based on many years of experience. All information provided is to the best of our knowledge and does not establish a warranty or liability claim.

Good compost
and mild manure



BIPLANTOL® plus

for manure and dung



Application farmyard manure

Application area	Operating site	Reference size	Dosage*	Application cycle	Comments
Dung	Dung heap	1 m ³	20 ml		add to 5 liters and disperse
Dung	Dung heap	10 m ² (25 cm thickness)	50 ml	per layer	8 LSUs produce approx. a 25 cm thick layer of dung per week on an area of 10 m ² (approx. 2.5 m ³)
Manure	Manure pit	10 m ³	1 liter	once (only for initial treatment)	3 weeks to wait until field application. Thereafter, no waiting period is required.
Manure	Shed	1 GV	10 ml	1 x weekly	apply over the flushing trench, hallway
Exercise pen (with slatted floor/littler)	Shed	20 GV	200 ml	1 x weekly	apply over the slatted floor in the pen or add to the bedding.
Straw	Bay	1 bay	4 ml	1 x daily	mix in 2 liters of water: •thereof use 1 liter for bay cleaning •exchange the straw •disperse 1 liter over the straw (also provides hoof care)

*dilution for better distribution
e.g. mix 100 ml of BIPLANTOL® plus in 10 liters of water

Application via fodder / trough water - Experience gathered from users from Switzerland

Animal species	Number of animals	Dosage	Application cycle	Comments
Pig		50 ml		in 1000 liters of liquid fodder mix.
Pig		200 ml		in 1000 kg of dry fodder or 1.5 ml BIPLANTOL® plus per LSU and day
Hen		150 ml		in 1000 liters of trough water.
Hatchlings	5000 - 6000	5 liters	per fattening period (about 42 days)	apply over trough water
Pullets	5000 - 6000	15 liters	per upbringing period (about 18 weeks)	apply over trough water
Horse	1	5 ml	daily	in 500 liters of water and therein soak small hay bales
Cattle	1 LSU	1.5 ml	daily	spray non-diluted 2 ml from the spray bottle (approx. 3 strokes) per LSU
Cattle	20 LSU	30 ml	daily	in 10 liters of water and water with the watering can uniformly over the feeding trough or use non-diluted 2 ml from the spray bottle (approx. 3 strokes) per LSU Calculation: 1.5 ml of BIPLANTOL® plus per LSU and day

* 1 life stock unit (LSU) refers to 500kg weight.
app. LSU: horse 1 GV; Pony 0.5 GV; goat/sheep 0.1 GV

Better air inside the shed
and good manure

