







THE NATURAL **ALTERNATIVE**

FOR THE RESPECT OF HUMAN BEINGS, **ANIMALS** & FNVIRONMENT

BIOARMOR product solutions combine economic performance of livestock farms and crops with the respect for environment. We are developing efficient natural products with optimum return on investment.

We propose real innovative alternatives designed within our R&D laboratory. They deal with all your farming and crop issues.

As an independent company, we support you in your skills and create clear and long-lasting relations of partnership.





high technology







A LARGE & **COMPLETE RANGE** DEALING WITH ALL YOUR **ISSUES**

With biotechnologies as core business, we propose you innovative solutions made with essential oils, plant extracts, enzymes, probiotics, prebiotics...



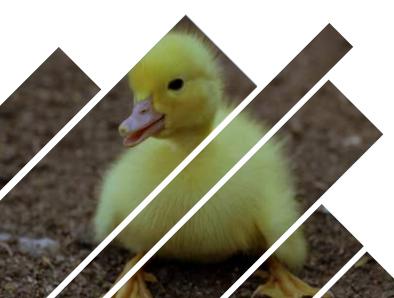
Help animals during farming critical stages and improve their shape and performances.



Ensure the hygiene of buildings and networks, eliminate insects and cleanse the air in buildings.



Treat slurries, gas and odors, dry up and cleanse litters and soils, and biostimulate crops.



NUTRITION

HELP YOUR ANIMALS

UPON DIFFICULT STAGES OF REARING & IMPROVE THEIR HEALTH AND PERFORMANCES

Because nutrition is essential for your animals health and performances, BIOARMOR proposes you natural alternatives for the various issues of your farm:

- Digestive balance
- Animal resistance
- Difficult sanitary periods
- Appetite and tonus
- Performances

Made with probiotics, plant extracts, essential oils, antioxidants, and vitamins...., our feed supplements are complying with your requests, at any rearing stage.



PROBIOTICS & DIGESTIVE BALANCE





AVICOLYTE del

Digestive tract stability

AVICOLYTEdgl supports poultry digestive health.

Composition:

Butyric acid and DIGELOR blend of essential oild from BIOARMOR R&D PROGRAM NUTRILOGIC.



Directions for use:

In case of litter deterioration, feed transition, digestive disorder,... distribute AVICOLYTE DGL in drinking water during 3 to 5 days at the rate of:

- 100 mL per 1000 L of water the 2 first days,
- 200 mL per 1000 L of water following days.





BACTOFLOR

Probiotics and digestive health through feed

BACTOFLOR contains lactic bacteria which settle balances intestinal flora and optimal utilisation of feed nutrients. Bactoflor inhibits pathogens and supports develoment of beneficial flora by acidification thanks to lactic bacteria.

Advantages:

- Increase of feed digestibility as well as laying and growth performances
- Supports poultry digestive health

Composition:

Made with lactic bacteria Pediococcus acidilactici.



Packaging

25 kg / bag

Directions for use:

Incorporate in the feed at the rate of 1kg/t of feed.



Can be sold with automatic distribution system for incorporation at farm level. Consult us.



LEVUFLOR PELLET

Premix of additives for poultry

LEVUFLOR PELLET implement balanced intestinal flora, digestive health and comfort to animals. It contains live yeast *Saccharomyces cerevisiae boulardii* CNCM I-1079 certified at EU level for chicken and selected for its capacity in controlling pathogens and facilitating beneficial flora thanks to competitive exclusion.

Advantages:

- Ensure digestive health and optimal use or nutrients in the diet
- Increase intestinal transit stability

Composition:

Made with live yeast *Saccharomyces cerevisiae* boulardii, dried and precipitated silica, calcium carbonate and lithothamnium.



Packaging

25 kg / bag

Directions for use:

Levuflor pellet should be used at the dose of 1kg/t in chicken feed













BACTIVOL E

Probiotics and digestive health through drinking water

BACTIVOL E helps poultry around crical periods like start up, feed transitions and tranfer. BACTIVOL E contains lactic bacteria which settle balanced intestinal flora from first days of life. Bactivol E supports better assimilition of feed nutrients. Digestive health is also improved for good litter quality.

Advantages

- Balance of intestinal flora
- Transit improvement
- Digestive health

Composition:

Made with lactic bacteria *Pediococcus acidilacticii*, citric acid and potassium.

Nutritionnal objective:

Balance of physiological digestion



Packaging

100 g / sachet

Directions for use:

Mix a 100g sachet in a bucket of lukewarm water (30 to 40°C). Then incorporate this solution in 1000l of drinking water. During 1 week to 10 days.



ACIDIFICATION

FS



ACTACIDE WATER

Water acidification

Actacide guarantees networks hygiene by acidification

Advantages :

- Water acidification
- Prevention of pathogens developmen
- Supports digestive health of animals

Composition:

Association of 4 organic acids.

Packaging	



Directions for use:

Incorporate 0.2 to 0.3L of ACTACIDE in 1 000L of water according to targeted pH or incorporate 0.5L per 1 000L one day per week.





ACTINET

Clean and Acidify the water networks

ACTINET is composed of organic acids. Their complementary action enable to acidifies water or cleans networks according to the dosage.

Advantages:

- Ensures water network hygiene
- May be consumed by animals
- Supports digestive health of animals

Composition:

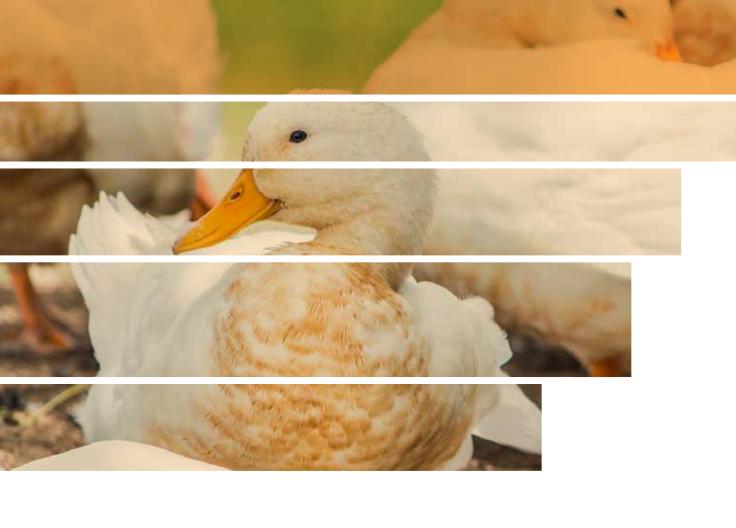
Association of 7 organic acids

Packaging

5.5 kg or 33 kg / drum



- Water networks maintenance during sanitary break: incorporate Actinet at the rate of 1L/100L of water, let stand or recirculate for 6h., then wash out with pressure.
- Acidification: incorporate 0,2 to 0,3 L per 1000L of water depending to the required water pH.



DIFFICULT SANITARY PERIODS

BIOBRON

Supporting poultry in case of difficult sanitary period

BIOBRON improves the resistance of animals in critical period (e.g. breathing discomfort). It helps recuperation and appetite recovery, and this with neither loss of productivity nor withdrawal period.

Advantages :

- Support animals upon critical stages (difficult sanitary periods, appetite loss, breathing disorder...)
- · Appetite and tonus recovery
- synergetic essential oils (eucalyptus, pine, oregano lemon rosemary)

Composition:

Association of essential oils, Vitamin C, plant extracts, magnesium and sorbitol.



Packaging

1L, 5L, 30L / drum

Directions for use:

Oral administration, in solution within the vat or via dosing pump, at the rate of 500 mL to 700 mL / 1 000L of water.

Repeat if necessary.

LIVER — DRAINING





HEPAFLUSH

Liver draining for poultry

Hepaflush can be used in case of hepatic overload risk.

It stimulates the hepatic draining and prevents fatty liver. It stimulates appetite.

It is especially recommended in case of critical periods and feed transitions.

Advantages

- Drain and detoxify
- Relaunch appetite
- Liquid form

Composition:

Made with sorbitol, betaine, carnitine, vitamines (B1, B6, PP and biotine), essential oils, plant extracts and magnesium.



Packaging

5 L or 30 L / drum

Directions for use:

1L / 1000L of water during 3 consecutive days.







DIGEST H

Recovery of hepatic functions

DIGEST HL and DIGEST HP maintain a well functionning of the liver thanks to their hepatoprotectors components. They stimulate the appetite. They are particularly recommended in case of critical periods and feed transitions.

Advantages

- Stimulate appetite
- Protect the liver
- Powder or liquid form

Composition:

- DIGEST HP: powder product made with betaine, choline, dead yeasts, methionine and plant extracts.
- DIGEST HL: liquid product made with betaine, choline, methionine and plant extracts.



Packaging

25 kg / bag

51 or 301 / drum

- DIGEST HP: 5 kg/T of feed during one week.
- DIGEST HL: 1L / 1000 L of drinking water during 3 days.







DIGESTIVE HYGIENE





VITAPAR C VITAPAR V

Animal resistance & digestive hygiene

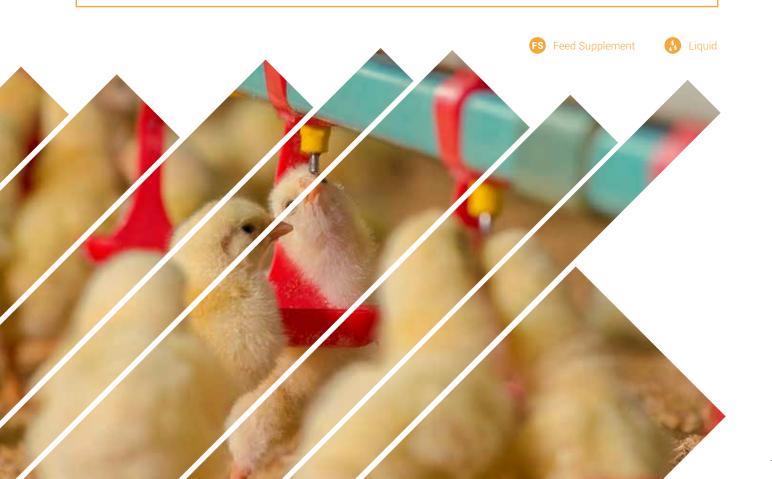
Vitapar C et Vitapar V supoport digestive health, especially during periods of parasitic infestations.

Composition:

- · VITPAR C: made with magnesium, sodium, plants extracts and copper.
- · VITAPAR V: made with magnesium, sodium and plant extracts.



- VITAPAR C : distribute via the drinking water at the rate of 1,5 L / 1000L of water, during 5 days (double the dose for pigeons, considering the low water consumption).
- VITAPAR V :
- Prevention: 1L/1000L during 2 consecutive days. Repeat every 21 days.
- Shock dose: 1,5L/1000L. of water during 5 days. Repeat after 3 weeks if necessary.



STRESS, PERFORMANCES & RESISTANCE





AVISTIM Imm

Boost of animal resistance & secure transitions

AVISTIMimm enhances poultry resistance upon critical periods (start up, vaccination, feed transitions ...). AVISTIM combines the IMMULOR blend of essential oils from our BIOARMOR R&D PROGRAM NUTRILOGIC and specially developped to reinforce poultry resistance. It also provides highly digestible energy, prebiotics for a well digestive balance as well as vitamins and essential trace elements for animal vitality.

Composition:

Association of the IMMULOR blend of essential oils, with yeast hydrolysate (source of B-group vitamins, amino acids, peptids, minerals), selenium, E vitamin and B12 vitamin.



Direction for use:

Distribute whithin drinking water, at the rate of 250 mL for 1000L of water during 3 to 5 days.





VITASTRONG

Support to laying and growth

For layers, VITASTRONG improves both quantity and quality of eggs, especially during critical periods. In poultry for meat, VITASTRONG provides necessary elements for their good development and bone calcification.

Composition:

Made with A, D & E vitamins, minerals and trace elements (Ca, P, Na and Se), yeast hydrolysates and essential oils.



Directions for use:

Distribute into drinking water, at the rate of 1L for 1000L of water during 5 running days.





VITAZEN

For stress and nervousness periods

VITAZEN is a product aimed at nervousness and stress periods like animal handling (removal, transport, thinning, intervention on poultries like beak trimming...).

Advantages :

- Calming properties
- Reduction of nervousness signs (pricking, cannibalism...)
- Less stress in case of interventions (beak trimming, vaccinations, thinning ...)

Composition:

Made with potassium, magnesium and plant extracts.

Packaging

5 L / drum



Directions for use:

Dilute into drinking water at the rate of :

- Before removal: 1,5 litres for 1000 L of drinking water during 2 consecutive days.
- During stress periods (pricking, nervousness, etc...): 1,5L for 1000L of drinking water during 5 days.





HOT'LYTE

Rehydration and heat stroke prevention

HOT'LYTE is used for all poultries: broilers layers, turkeys, ducks, breeders... It helps water diffusion within the organism following lack of drinking during periods of high temperatures. Rich in quicky digestible elements, HOT'LYTE improves appetite and poultry vigour.

Advantages :

- Reduction of water losses
- Stimulate appetite
- Prevention of heat strokes

Composition:

Made with mineral salts, soluble sugars and plant extracts.



Packaging

5 L / drum

Directions for use:

HOT'LYTE, thanks to its ready-to-use liquid form, is very convenient to administer orally. Dilute into drinking water at the rate of 1 litre for 1000 litres of water during 1 to 3 days in case of temperatures upper 28°c. Stop and repeat if necessary.





AVICHICK

For critical periods

AVICHICK has been developed for critical periods like beak trimming, joint pain, ... It contains specific ingredients selected for their soothing and anti-inflammatory properties, as well as K3 vitamin for its anti-hemorrhagic power.

Advantages

- Calming propertie
- Improves animal welfare

Composition:

Made with magnesium chloride, K3 vitamin, vegetal monopropylene glycol, sodium salts of benzoic acid.

Packaging

5 L / drum - Box of 4 drums



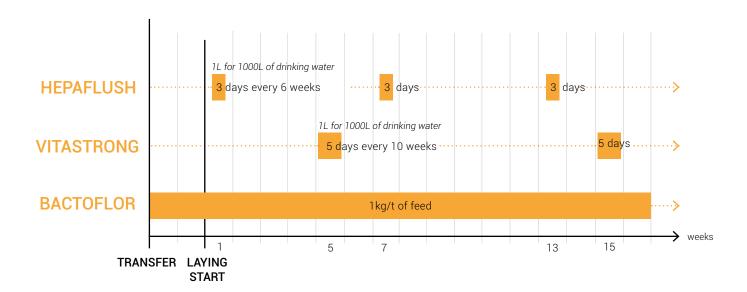
Directions for use:

AVICHICK should be diluted in drinking water at the rate of: $1\ L\ /\ 1\ 000\ L$ of drinking water during 3 to 5 running days.

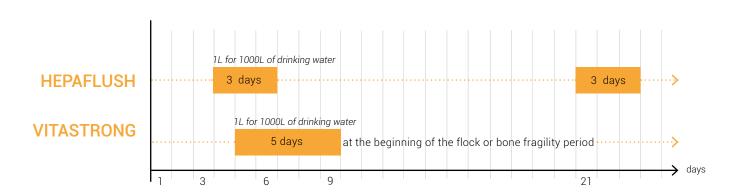


PRODUCT USE RECOMMENDATIONS

Layers program



Broilers program

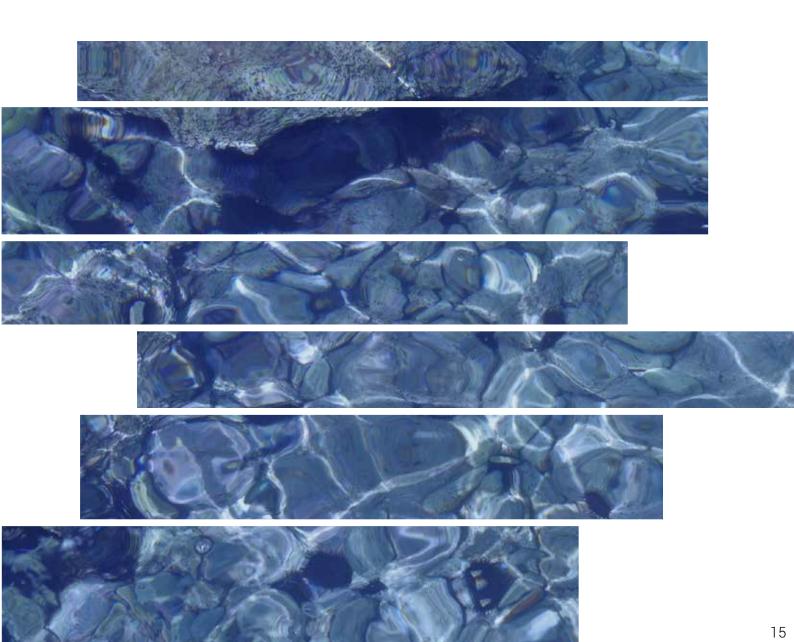


HYGIENE

ENSURE THE PERFORMANCES & THE HEALTH OF YOUR ANIMALS THANKS TO A GOOD HYGIENE OF YOUR REARING BUILDINGS

Made with essential oils, organic acids, enzymes, the natural alternatives proposed by BIOARMOR ensure the hygiene of your rearing buildings:

- · Easier cleaning of building and equipment,
- Better disinfection,
- Elimination of insects (red mites, flies, darkling beetles.
- · Cleansing of air in rearing buildings.





PREMISES CLEANING



ACT'ENZYM _ concentrate NET'ENZYM _ super concentrate

Non-toxic detergents for premises and materials

Non-toxic and non-corrosive, ACT'ENZYM and NET'ENZYM are powerful enzymatic foaming detergents intended to wash rearing building and equipment. They effectively clean traces of slurry, grease or organic deposits.

Natural and biodegradable, these products do not disturb the slurry flora and ensure a better disinfection thanks to the suppression of the biofilm.

Advantages:

- · Safety for the user
- Thick foam adhesive to surfaces
- Time and water saving throughout highpressure cleaning

Composition:

Enzymes and surfactants from vegetal origin.

Packaging				
10 L, 25 L / drum				
200 L / barrel				

*Only for ACT'ENZYM

Directions for use:

Apply with foam gun or foam cart, let stand 20 to 30 minutes, before rinsing with high-pressure cleaner; in case of stubborn dirt, double the dose.

- ACT'ENZYM :1 litre for a surface room of 100m²
- NET'ENZYM: 0,5 litre for a surface room of 100m²



FIGHT AGAINST INSECTS



TYPOX AIR

Insecticide & repellent to spray

TYPOX AIR is a natural liquid product fto fight against flies, midges, darkling beetles... It acts like an insecticide and repellent.

Advantages:

- Adulticide and larvicide
- Compliant with the Biocide Regulation
- Usable in organic breeding

Composition:

Based on natural pyrethrum and plant extracts.



Packaging 1 L / drum 5 L / drum

Directions for use:

FLIES: 1L for 20L of water via spraying against walls, in atmosphere and under slatted floor.

RED MITES: Diffuse via fine spraying 1 or 2 hours following light switch-off, with a lower ventilation, from the first week after hens transfer, then once every 3-4 weeks:

- \bullet FLOOR FARMING : 3L/1000 m², diluted in 60 L of water
- CAGE FARMING: 3L/10 000 hens, diluted with 60L of water.

In case of infestation, the doses can be increased (ask us for advices); plan 1 treatment per week.



TYPOX SOL

Insecticide & repellent to sprinkle on the floor

TYPOX SOL is a natural micro-pellet product for fighting against flies, midges, darkling beetles... It acts like an insecticide and repellent.

Advantages:

- Adulticide and larvicide
- · Compliant with the Biocide Regulation
- Usable in organic farming

Composition:

Based on natural pyrethrum and plant extracts.



Packaging

15 kg / bucket

- PIGEONS: Spray out 1 tablespoon on each nest. Repeat 10 days after first application.
- POULTRY ON FLOOR & BROILERS: 1 bucket of 15kg allows to treat 500 m². Apply the product with insisting particularly on the nests and underneath the slatted floor. Repeat 10 days after first application.











TYPOX EAU

Improving hens resistance

TYPOX EAU, distributed within the drinking water, boosts the resistance of animals weaken by pricking insects (e.g. red mites). Should be combined with TYPOX AIR to fight red mites.

Advantages :

- Products can be provided through the drinking water
- Fasy to use
- Greater resistance of animals

Composition:

Made with plant extracts.

Packaging

5 L ou 20 L / drum

- HENS (with external insecticide treatment :
- Shock treatment during 2 weeks with: 5 days distribution every week at the rate of :
 - > Days 1 & 2 = 0,4 L per 1000 L of water
 - > Days 3, 4 & 5 = 0,75 L. per 1000L of water



- > Make an external treatment, such as TYPOX AIR, following both distributions of 5 days. The aim is to kill the visible and accessible mites.
- Maintenance : distribute TYPOX EAU at the rate of 0,5 L per 1000L of water during 2 non-consecutive days per week (e.g. Monday and Friday)
- PULLETS: Distribute TYPOX EAU at the rate of :
 - 3 weeks before transfer: 0,5L/1000L of water per day, during 3 days, 2 consecutives weeks,
 - 3 days before the transfer: 1L/1000L of water in a day,
- -The day before the transfer: 1L/1000/ of water.

AIRCLEAN

Cleanse the air in rearing buildings

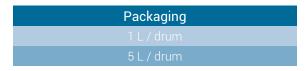
Air-dispersible essential oils of AIRCLEAN purify the air of your rearing buildings.

Advantages:

- Secure performances
- Choose an alternative to chemicals
- Usable in Organic Agriculture

Composition:

Based on air-dispersible essential oils.



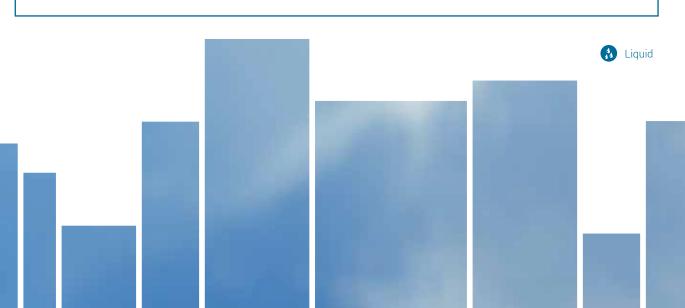
Directions for use:

Diffuse via fogging or atomizing, after dilution within lukewarm water, in lower than 50 microns droplets, with a slight (or switched off) ventilation.

- FLOOR POULTRIES (turkeys, chickens, ducks ...): Diffuse every day, at the rate of 75 mL/ d/1000 m², diluted into 5 to 25 L of lukewarm water. Dilution is increased progressively along the flock. Double the dose in risky period (150mL/d/1000m²).
- LAYERS: Diffuse once a week in maintenance, and every day in case of risky period, at the rate of 100mL/d for 12500 layers, and dilute it within 10 to 15L of lukewarm water.

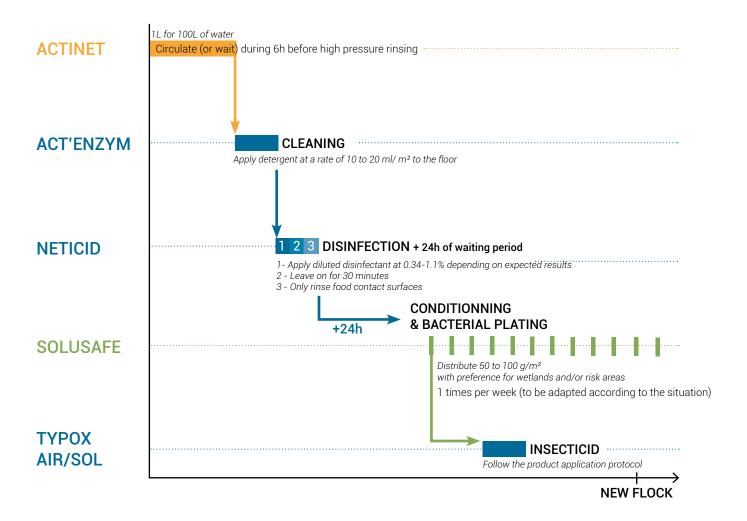


- HATCHERIES : Agitate thoroughly the solution before applying within the cups.
 - IN INCUBATORS: Put the production in solution within the cups, at the rate of 15mL/L of water. Let evaporating naturally and fulfill as soon as required over the duration of incubation.
 - IN HATCHERS: Put the solution within the cups, at the rate of 33mL/L of water. Let evaporating naturally and fulfill as soon as required for 1 or 2 days.
- IN NON HEATED BOXES: Apply via an industrial nozze: for volumes to treat between 5 to 25 m3, diffuse le diluted product, at the rate of 0,35 mL for 10 mL of water/m3 to treat, for the time required to diffuse all the product, so approximately, for a pressure at the nozze manometer of 1,4 bars.



PRODUCT USE RECOMMENDATIONS

Sanitary break program



ENVIRONMENT

CHOOSE NATURAL SOLUTIONS

TO IMPROVE BREEDING ENVIRONMENT

To improve breeding conditions, while reducing the environmental impact of your farming business, you can roll natural solutions out, with respect for animals and humans.

BIOARMOR has developed innovative solutions to deal with different breeding issues:

- Manure liquefaction,
- Smells and gas (ammonia) neutralising in premises and at spreading,
- · Floor and litter drying and sanitation,
- Change of the flora through feed for a good manure liquefaction,
- · Biostimulants for crops.



CONDITIONNER & SANITIZER



COCOON

Smooth conditioner

COCOON is a smooth conditioner with a very soft formula suitable for drying piglets at birth in order to improve their comfort, especially thermal. Then, colostrum is taken earlier, the start in growth is better and losses are reduced in maternity. It is also used on slatted floors, litters, stalls...

Advantages:

- Conditionner capacity reinforced
 Suitable for organic agriculture
 Contains sanitazing essential oils

Composition:

Based on soft clays, vegetal fibres, aromatic and antiseptic essential oils and carbonate.



Packaging

Directions for use:

Apply to litter with a preference for wetlands based on 100 to 200 g/m², repeat 2 to 3 times per flock.



Three drying levels

BIOSOLSEC is available in 3 versions with drying levels adapted to every situation.

They can be used on slatted floors, litters, stalls...

- Advantages:
 3 drying levels adapted to every situation
 Non-agressive formula easy to use

Composition:

Based on clay, vegetal fibres, carbonate, plant extracts and lithothamne.



Packaging

Directions for use:

Apply to litter and slatted floor.



COCOON FLORE

Inoculation of beddings & floors

COCOON FLORE is a conditioner enriched with bacteria and enzymes to colonize the medium through a positiva flora for a sanitation of animal laying area. It is used to dry out litters, slatted floors, concrete floors and lying areas.

Advantages :

- A powerful conditioner thanks to a very high
- absorption powerWellbeing of animals thanks to the reduction of moistures

Composition:

Based on carbonate, smooth clays, vegetal fibers, bacteria, enzymatic complex and aromatic plants extracts.



Packaging

Directions for use:

Spread COCOON FLORE focusing on wet and/or risky areas (troughs, drinkers, feeders), at the rate of 50-100 g/m² once a week, to adjust depending on situations and state of the litter.



Bacterial conditioner for litters & concrete floors

SOLUSAFE combines a high power of absorption and drying capacity together with a bacterial and enzymatic complex to create a positive flora and to acidify the area.

Advantages:

- Healthy environment (sleeping area, legs...)
- Effective drying and good litter state
 Improvement of the atmosphere and the animals well-being

Composition:

Based on clay, plant extracts, lithothamne, carbonate and bacterial and enzymatic complex.



Packaging

Directions for use:

Spread SOLUSAFE focusing on wet and/or risky areas (troughs, drinkers, feeders), at the rate of 50-100 g / m², once a week (it can be adjusted according to the situation):

MANURES



& SLURRIES TREATMENT





BACTIFOS LIQUID

Liquefy storred slurries

BACTIFOS is a very concentrate slurry liquefier. It associates enzymes and bacterias to fight against crusts and deposits

Advantages:

- Adapted slurries rich in fibres
- Can be used in organic farming

Composition:

Based on bacteria, enzymes and factors of stimulation of slurry microflora.



Packaging

Directions for use:

- In internal pits, bellow floors: for 1000 m²: 1 L for 1st application then 0.8 L per week for maintenance
- In external pits: 1 L for 50 to 100 m3 (according to the situation), to renew if necessary with halfdose once a week.

BACTIFOS POWDER

Biological treatment of the manure

BACTIFOS POWDER is highly concentrated in enzymes and bacteria selected for their efficiency in slurry liquefaction. It boosts degradation of organic matter, including fibre.

Advantages:

- Removal of crusts and depositsEasier and quicker emptyingImprove the slurry fertilizing value

Composition:

Based on blend of bacteria strains aiming to strenghen the slurry microflora, enzymes, prebiotics, ammonia binders, plant extracts, clays, energized Silica, seaweeds and trace elements.



Packaging

Directions for use:

BACTIFOS POWDER must be spread on the slurry or the slatted floor (far from emptying hole, in air stream areas)

• Ducks: 10 kg / 1 000 m² / month 650 g / 1 000 ducks / month





BIONEUTRODOR

Neutralize

& mask odours upon slurry spreading

BIONEUTRODOR neutralizes and masks odours during and after liquid manure spreading. The product is highly recommended in plots which are exposed to the wind and in periurban zones, as well as for spreading on pastures and cereals.

Advantages:

- Ready for use
 Acts chemically with gases responsible for bad smells
- Persistence until 48h

Composition:

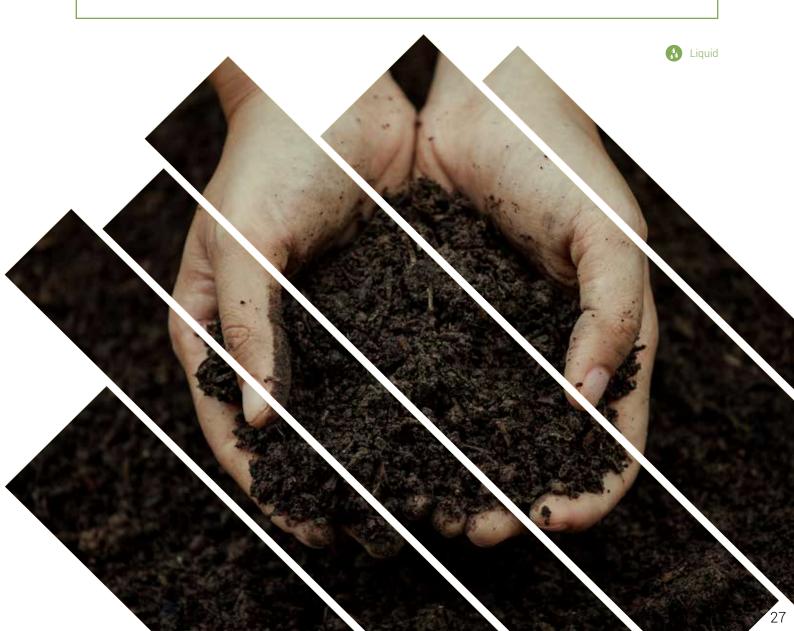
Based on anti-odour agents, flavours and surfactants.



Packaging

Directions for use:

To incorporate at the rate of 1 L for 10 cubic meters of slurry, directly in slurry tanker, through pumping cone or into the storage pit before spreading.







VEGETAL NUTRITION

NUTRIFIELD

Nature-based biostimulant for crops

NUTRIFIELD enhances root development, speeds up flowering and fruit set.

Advantages:

- Minerals absorption and fertilizer use enhanced
- Improves water use efficiency
- Quality and performance increase

Composition:

Based with lignocellulosic extract of vegetal origin.

Packaging



- CORN: 3 L / ha Stage 4 leaves to stage 8-10 leaves.
- CEREALS: 1 to 3 applications: 2,5 L / ha.
- \bullet GRASS, ALFALFA : 3 L / ha at emergence and 1,5 L / ha after each cut.
- RAPESEED: 3 L / ha at emergence, to pre-floring For other situation, contact us.

