

POULTRY TECH



MAZZOLENI



MAZZOLENI SPA, the European leader in animal nutrition, presents the new **POULTRY TECH** line, composed of technical products dedicated to the poultry industry, designed and developed through the research done by its Technical staff and with the cooperation of many costumers, Research institutions and partners located in every part of the world.

The **POULTRY TECH** line is manufactured at the Mazzoleni SpA production plant located in Cappella Cantone, the modern plant opened in 2012 and is specialized in creating technical products.

Thanks to an innovative production Layout and to the presence of 75 automatic dosing silos, the facility allows great flexibility while ensuring absolute precision.

Thanks to these characteristics, we can design customized solutions to further expand the range of products to meet any technical and commercial need.

The **POULTRY TECH** line using this production technology, in compliance with quality standards FAMI-QS, ensures for every product maximum quality and reliability.



The **POULTRY TECH** line, has been designed to enhance the performance of animals, preventing the most common diseases of the digestive tract and boost immune system. All is aimed to stress and mortality reduction, always working for a continuous production improvement.

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- Layer Breeders

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ACIDOX L.F.P.

Premix for poultry

ACIDOX L.F.P. is a blend of organic acids supported on colloidal silica, effective in the prevention of enteric diseases.

Organic acids contained in **ACIDOX L.F.P.** (Formic Acid, Lactic Acid, Propionic Acid) play an important antibacterial and antifungal role in the gastrointestinal tract, optimized action from colloidal silica that acts as a substrate capable of improving the efficiency of the acids and facilitate their use.

ADDITIVES (FOR KG):

Preservatives:

Formic Acid E236	310.000 mg
Lactic Acid E270	150.000 mg
Propionic Acid E280	60.000 mg

Binders, anti-caking agents and coagulants:

Colloidal Silica E 551b	400.000 mg
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RECOMMENDED DOSAGE:

Poultry _____ 2-5 kg/Ton of complete feed



Bag 25 kg

NUCLEOSAFE

Products containing Nucleotides with high prebiotic and immunostimulant value

NUCLEOSAFE is a product derived from the processing of some strains of *Saccharomyces cerevisiae* specially selected for specific and sophisticated technical and nutritional purposes. Yeasts used for the production of **NUCLEOSAFE**, have a strong productive activity regarding Nucleic Acids and Nucleotides in general. The product is obtained through a fermentation in liquid scope followed, immediately after, from hydrolysis, both endogenous and exogenous (with autolysis or by the activity carried out by selected enzymes operating from the outside). Stimulate the activity of the immune system, ensure protection and emergency mucosal recovery in case of disease or support the development of tissue to a more rapid growth, are the main tasks for which **NUCLEOSAFE** is designed. Intended for metabolic and immune support of young animals, **NUCLEOSAFE** is rich in free Nucleotides and Nucleic Acids.

Metabolically active ingredients Nucleotides

As it is now widely confirmed by international scientific research, nucleotides, DNA and RNA in particular, are compounds classified as essential for the metabolism of rapidly growing tissues and for the activity of the immune system in general. The demand for nucleotides increases drastically when the animal is rapidly growing, in case of disease, stress or minor ingestion (young animals with a disease or in the immediate post weaning). The lymphocytes, white blood cells, enterocytes and the Hemopoietic tissue generally are not able to synthesize ex-novo nucleotides and, for this reason, they must supply from the outside. The rapidly growing tissues are then characterized by a high metabolism and tumultuous replications with considerable endogenous demand for nucleotides for genetic synthesis (DNA and RNA) and mitosis. In the absence of such support, the nucleotides are transformed in limiting factors, slowing dramatically immune activity and multiplication rate.

Products containing Nucleotides with high prebiotic and immunostimulant value

NUCLEOSAFE

Effect of nucleotides contained in NUCLEOSAFE on the intestinal epithelium:

- They improve the development in height of the intestinal villi.
- Prevent the villous atrophy in post-weaning or in the phase of reduction of food ingestion.
- Increase the intensity replication of enterocytes with prompt repair of any mucosal damage.
- Increase the number of Macrophages and Lymphocytes intra-epithelial.
- They protect the cells against increasing of the membrane permeability caused by toxins produced by *E. coli*.
- They modify the intestinal microflora, promoting the growth of Bifidobacteria.

Effect, on the immune system, of the nucleotides contained in NUCLEOSAFE:

- Increased multiplication, in case of pathology, of cells responsible for immune defense: lymphocytes and leukocytes.
- More intense anticorpal production.
- Increased activity of macrophages and increasing function of protection of nonspecific enzyme (Eg. Serum complement, lysozyme).
- Better genetic expression of certain cytokines involved in infectious and inflammatory processes.
- Stimulation of the immune system in animals immunosuppressed.
- Greater resistance to infectious stimuli, best response to the vaccine and more survival of young animals in case of disease or stress.

NUCLEOSAFE

Products containing Nucleotides with high prebiotic and immunostimulant value

Effect of nucleotides contained in NUCLEOSAFE on cell replication (mitotic activity) of rapidly growing tissues:

- They stimulate the hematopoietic tissue in the production of red blood cells (greater tissue oxygenation).
- Support the cellular multiplication of the tissues in rapid growth and favor a substantial energetical saving.
- They facilitate the prompt recovery of tissue damage subsequent to a disease, particularly at the enteric level.

Yeast nucleotide is derived from specially fermented yeast which contains high nucleic acid, and is fully enzymolysed and extracted to release free nucleotides from yeast cell.



NUCLEOSAFE

Products containing Nucleotides with high prebiotic and immunostimulant value

NUCLEOSAFE 5

Complementary feed high in nucleotides

COMPOSITION:

Yeast *Saccharomyces cerevisiae*, Yeast extract (obtained nucleotides from *Saccharomyces cerevisiae*).

ADDITIVES (PER KG):

Vitamins, provitamins and substances having a similar effect:

Niacin 3a314 _____ 1.000 mg

ANALYTICAL CONSTITUENTS (% ON AS IS):

Crude protein _____ 43.2%
 Oil and crude fat _____ 4.4%
 Crude Cellulose _____ 0.2%
 Crude Ash _____ 5.4%
 Lysine _____ 2.7%
 Methionine _____ 0.2%
 Nucleotides 5 'free Total _____ 5.0%

INDICATION OF USE:

Poultry: Mix the components in the feed foods complete in a dose variable from 0.5 to 1 kg / ton, according indication technical nutritionist.



Bag 20 kg

NUCLEOSAFE 40

Yeast extract (Nucleotides from *Saccharomyces cerevisiae*)

COMPOSITION:

Yeast extract (nucleotides from *Saccharomyces cerevisiae*).

ANALYTICAL CONSTITUENTS (% ON AS IS):

Free Nucleotides 5' _____ ≥40.0%
 Crude Protein _____ 60.0%
 Moisture _____ 8.0%

RECOMENDED DOSAGE:

500 g/Ton of complete feed according to the indication of technical nutritionist

TYPICAL ANALYSIS:

Item	Yeast Nucleotide
DM, %	93.37
CP, %	63.12
AMP+IMP, %	17.28
UMP, %	4.24
CMP, %	3.22
GMP, %	17.39
Ash, %	14.51



Bag 20 kg

NUCLEOMOS

Yeast extract

NUCLEOMOS is a product derived from processing of some strains of *Saccharomyces cerevisiae*, selected especially for technical and specific nutritional purposes.

It is intended to metabolic and immune support of young animals **NUCLEOMOS** is extremely rich in Nucleotides, mannans and β -glucans.

β -Glucans

Are substances belonging to the cell wall of yeasts, able to activate the nonspecific immune system. Their administration through food favors the increase in the number of macrophages, the production of cytokines and a substantial increase of immunoglobulin in case of disease. They are, with certainty, the right complement to the strong immunostimulatory activity operated by **NUCLEOMOS**.

Mannans

They are Mannose oligomers not digestible in gastrointestinal tract. During the intestinal transit come into contact with the bacterial flora and with pathogenic bacteria (Eg, *Vibrio parahaemolyticus*, *Vibrio mimicus*, *Aeromonas hydrophyla*, *Aeromonas salmonicida*, *Streptococcus uberis*, *Pseudomonas dermoalba*,

Anguilliseptica Pseudomonas, *Flavobacterium columnar*, *Tenacibaculum maritimum*, *Photobacterium damsela*, *Vibrio alginolyticus*, *Yersinia ruckeri*, *Bacillus cereus*, among the largest and most important causes of mortality and reduced productivity). Some of the latter are equipped with fimbriae or Lectins (Adhesins) thanks to which they are able to adhere to the intestinal wall and, then, to begin the pathology. The Oligomannans bind, by chemical and structural affinity, to receptors on the surface of pathogens, preventing the adhesion and sliding the bacteria themselves in a rapid evacuation in the feces (Elimination occurs in complexed form, bacteria + oligomannani).

ANALYTICAL CONSTITUENTS (% ON AS IS):

Crude protein	45.0%
β -glucans	12%
Oligo-mannani	10%
Nucleic acids	8.0%
Nucleotides 5 'free Total	2.0%

RECOMMENDED DOSAGE:

Poultry _____ 5 - 10 kg/Ton



Bag 20 kg

KONTROL D

Premix for broilers and laying hens

KONTROL D is a special blend of peat and vegetable extracts with a strong stimulus of digestion activity and great power of selection of the intestinal microbial population (cecum and colon included). All this is aimed at preventing and control of enteric diseases. Its unique mechanism of action occurs on several levels:

1. KONTROL D exert a very strong chelating activity, made on different substances potentially pathogenic, among which, we include, bacterial toxins and fungal. In this case the pathogenic activities operated by the same toxins on the mucosal surface is prevented by the presence of inseparable complex **KONTROL D** - toxin, this complex is then definitely eliminated in the feces.

2. KONTROL D, due to its vegetable components carefully selected and purified, it is able to change the percentage composition of the intestinal flora, stimulating the presence of bacteria with positive activities (eg. *Lactobacilli* and *Bifidobacteria*) and to control, at the same time, the development of those

potentially pathogenic (eg. *E. coli*, *Salmonella*, *Clostridia*, ...).

3. KONTROL D, passing through the entire intestine (cecum and colon included), creates a light viscous layer positioned on the mucosal surface, this layer does not allow adherence of toxins and bacterial fimbriae's enterocytes. This type of action results in a control of enteric diseases, acting directly on the mechanisms of action that allow the appearance.

4. KONTROL D, due to its rich enzymatic component of natural origin helps digestion of starches in the food content, reducing the time of food residence in the intestinal lumen.

KONTROL D

Premix for broilers and laying hens

KONTROL D can be used for both purposes of prevention as a support in the control of enteric diseases in clinical phase.

The regular use of **KONTROL D** in the feed allows then to deal with the problems without enteric the use of antibiotics or chemotherapeutics, preventing the onset of intestinal pathologies of various origin.

KONTROL D is the natural way to control dysentery, to employ, in place of antibiotics and chemotherapy, both in young people is in animals during breeding or fattening.



Bag 20 kg

COMPOSITION:

Vegetable peat, beer yeast, Saccharomyces cerevisiae, chestnut extract, cell walls of yeast Saccharomyces cerevisiae, natural aromatic extracts*.

*Mixture of extracts derived from plants such as coriander, wild carrot and walnut nutmeg.

ADDITIVES PER KG:

Binders:

Precipitated silicic acid and dried at 551 E __ 80.000 mg

RECOMMENDED DOSAGE:

Young animales _____ 0.5% in the finished feed

Fattening _____ 0.3 - 0.5% in the finished feed

For particularly severe enteric form __ 1% in the finished feed



BIO PRO

Complementary feed for Poultry

COMPOSITION:

Monoglycerides, Diglycerides and triglycerides propionic acid, butyric acid, caproic acid, heptanoic acid, caprylic and lauric, Carrubina micronized, cell walls yeast Saccharomyces cerevisiae, brewer's yeast from Saccharomyces cerevisiae.

ADDITIVES PER KG:

Compounds of trace elements:

And 4 Cupric chelate of glycine hydrate _____ 936 mg

And 6 chelate of glycine hydrate of zinc _____ 1.986 mg

E 5 Manganese chelate of glycine hydrate _____ 1.917 mg

Binders:

Precipitated silicic acid and dried E 551a _____ 300.000 mg

ANALYTICAL CONSTITUENTS (% , ON AS IS):

Crude protein _____ 1.0%

Crude Oil and Fats _____ 40.2%

Crude Cellulose _____ 0.2%

Crude Ash _____ 32.0%

Ash insoluble in HCL _____ 30.0%

Methionine _____ 0.5%

INSTRUCTIONS:

Add the components of complete feeds at the following doses:

Starters up to 14 days of age _____ 0.8 to 2 Kg / Ton

Growers on 14 to 25 days _____ 0.8 to 1 Kg / Ton

Finisher (later 25 days) _____ 0.5 to 0.8kg / Ton

Turkeys _____ 0.8 to 1.1 Kg / Ton

Layers _____ 0.8 to 1.4 Kg / Ton



Bag 20 kg

BIOPRO is a feed supplement with prebiotic effect able to contribute at different levels on the health and efficiency of the digestive tract.

Intestinal epithelium effects: **BIOPRO** acts in regulation of gene expression and of cell growth. This positive effect of **BIOPRO** on the growth and maturation of epithelial cells causes a greater development of the intestinal wall measurable in vivo.

Activation of enzyme secretion: the infusion intraduodenal of fatty acid stimulates the exocrine pancreatic secretions of more species. Fatty acids with medium and short chain stimulate the secretion of fluid and amylase from the pancreas.

Bactericidal effect: This mechanism is mainly based on the AGV penetration inside of the cell wall. The non-differentiated AGVs are lipophilic and can cross the cell wall. One time inside the cell they are dissociated. Once dissociated they lose the ability to cross the cell wall, causing an increase of the intracellular concentration. If the microorganism wants to maintain a stable intracellular pH it will have to carry outside the H + ions released during the dissociation, the increased amount of dissociated AGV will kill the microorganism. By contrast the useful microorganisms are less sensitive to changes in intracellular pH. The H + ions released leading to a decrease of pH can again bind to the AGV that, becoming lipophilic, will leave the cell.

AMINOPRO

Single Cell Protein

The high global demand for proteins of high biological value, the need to find substitutes of protein products of animal origin, and the high cost of vegetal raw materials, have stimulated the research of alternative sources of noble proteins (fish and meat, concentrated soy protein, potato protein, ...). **AMINOPRO** and **GRANULAR 70** are a protein concentrate of bacterial origin very palatable, GMO Free, with an high bioavailability and with an excellent amino acid profile.

Characteristics:

- High palatability
- High digestibility and bioavailability (>90%)
- Excellent amino acid profile
- GM free
- Free from antinutritional factors

Main properties:

POULTRY

- Ideal replacement of noble proteins
- Strong reduction of the cost of the formula
- Increase the palatability of the feed
- Possibility of increasing the level of protein feed

AMINOPRO

Product form *Corynebacterium glutamicum* rich in protein

NUTRITIONAL VALUES:

Moisture	6.0%
Crude protein	70.0%
Crude Oil and Fats	2.5%
Crude Fiber	0.2%
Crude Ash	3.5%

AMINOGRAM (ON AS IS)/[DIGESTIBLE FRACTION (ON AS IS)]:

Aspartic acid	5.8%	[5.22%]
Glutamic acid	9.24%	[8.31%]
Alanine	7.07%	[6.36%]
Arginine	2.37%	[2.13%]
Cysteine	0.45%	[0.41%]
Phenylalanine	2.27%	[2.04%]
Glycine	2.32%	[2.09%]
Isoleucine	2.62%	[2.36%]
Histidine	1.62%	[1.46%]
Leucine	4.44%	[4.00%]
Lysine	1.98%	[1.78%]
Methionine	0.84%	[0.76%]
Proline	2.38%	[2.14%]
Serine	2.28%	[2.05%]
Tyrosine	1.86%	[1.67%]
Threonine	1.95%	[1.76%]
Tryptophan	0.58%	[0.52%]
Valine	2.15%	[1.93%]

RECOMMENDED DOSAGE:

Poultry	2 – 4%
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Bag 25 kg



Big bag 750 kg

GRANULAR 70

Product form *Corynebacterium glutamicum* rich in protein

NUTRITIONAL VALUES:

Moisture	8.9%
Crude protein	70.0%
Crude Oil and Fats	3.7%
Crude Fiber	0.2%
Crude Ash	3.7%

AMINOGRAM:

Aspartic acid	4.9%
Glutamic acid	11.5%
Alanine	4.3%
Arginine	2.7%
Cysteine	0.6%
Phenylalanine	2.0%
Glycine	4.8%
Isoleucine	2.7%
Histidine	1.1%
Leucine	4.0%
Lysine	4.6%
Methionine	0.9%
Proline	1.9%
Serine	2.0%
Tyrosine	2.5%
Threonine	13.0%
Tryptophan	0.6%
Valine	2.4%

RECOMMENDED DOSAGE:

Poultry	1 – 3%
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Bag 25 kg



Big bag 1200 kg

GRANULAR 70

Single Cell Protein



HYDRO POULTRY

Complementary feed for poultry

HYDRO POULTRY is a complementary feed designed to provide to poultry proper hydration that is essential during periods when Animals may suffer water stress (early stages of growth, hot climates). Its special formulation is designed to maintain a constant state of hydration. **HYDRO POULTRY** is a product easy to use, dissolves in water and preserves for a long period, its own characteristics without altering the water distribution plant. Extremely palatable can be used mixed to any antibiotic, both during preventive prophylaxis and in case of direct treatments, without interference, and promoting the hiring.

The product contains in its formulation sodium ions and potassium in a highly absorbable form and promptly available to the animal, covering optimally and rapidly the needs.

COMPOSITION: Anhydrous Dextrose, Whey permeate, Sodium bicarbonate, potassium citrate, potassium chloride, Sucrose, Sodium chloride.

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin C 3a300 _____ 10.000 mg

Preservatives:

Sodium citrate E331

E330 citric acid

Binders:

Precipitated silicic acid and dried at 551 E _____ 40.000 mg

ANALYTICAL CONSTITUENTS (% ON AS IS):

Crude protein _____ 6.6%

Crude Oil and Fats _____ 0.3%

Crude Ash _____ 17.4%

Sodium _____ 3.7%

INSTRUCTIONS:

Administered to poultry in 100-200 g per 10 liters of drinking water, according to the technical directions of nutritionist.



Bag 25 kg

PARAFORMIX

Disinfectant

PARAFORMIX is a fumigant disinfectant mainly for applications in the field of intensive animal production. It is designed to take advantage of the great effectiveness of the active formaldehyde, generated in situ in gaseous form from the depolymerization of its precursor (paraformaldehyde), which is much more stable, the energy required for the process is obtained from a smoldering fire.

Formaldehyde is a colorless and its uniform distribution can be monitored by the fumes specifically developed by PARAFORMIX excipients.

PARAFORMIX is designed to minimize operator intervention and the use of the equipment, drastically reducing the costs of treatment. The evaporation of the formaldehyde produced by the

PARAFORMIX precursors generates:

- 100 grams of product about 45 g of formaldehyde through combustion.

PARAFORMIX has a high respect of effectiveness towards:

- Bacteria
- Yeasts
- molds

Both in active forms in vegetative forms (spores).

Technical innovations:

- Greater consistency in the process of combustion.
- Improved perception of the overall quality of product.
- 15% Reduced the time fumigation compared the previous version.
- Better diffusion of formaldehyde speed in the environment.

PARAFORMIX thanks to the innovative method production, immediately after power, is subject to a controlled and progressive process of decompression that regulates the flow of air (oxidant) towards the center. This allows a combustion more rapid, uniform and complete.

PARAFORMIX has the following advantages:

- Easy ignition, with any gas burner.
- Better and more regular combustion.
- Greater consistency fumigant effect over time about 2 hours.
- Best fumigant effect tablet collapses into the center and the consumption is complete and evens.

PARAFORMIX

Disinfectant

TECHNICAL FEATURES

Shape	Tablet
Weight	700 g
Diameter	150 mm
Thickness	43 mm
Active ingredient generated	Formalin gaseous
Precursor	Paraformaldehyde

INSTRUCTIONS:

Fumigate in a closed environment one tablet of **PARAFORMIX** of 700gr for 300-400 m³



VIRUXSAN

Sanitizing detergent powder for livestock

CHEMICAL-PHYSICAL DATA

Appearance	powder
color	pink
Sol. In water 37 ° C	total
pH (sol. 1%)	2.06
Inflammability	Not flammable
Total active oxygen	2.4%

USE: For a periodic treatment of cleansing, prepare solutions of product equal to 1%, (a part of product in 99 of water and shake until completely dissolved.

Using the obtained solution with a pressure pump to facilitate the elimination and the removal of all the calcareous deposits from the surfaces to be treated. The concentration of the solution **VIRUXSAN** will be in function of the subsequent use and in any case it will be applied in the quantity of 300 ml per square meter.

• **Treatment of environments and equipment at the end of cycle:** (hatcheries, cages, worktops/transport, clothing and professional instruments) 300 ml/m² of **VIRUXSAN** at a dilution of 1:00/1:200, depending on the specific type of microorganisms and contamination level.

• **Prophylaxis toilet of environments and equipments:** 300 ml / m² of **VIRUXSAN** at a dilution of 1: 100/1: 200.

• **Treatment of the environment air:** spray into the environment 1 liter of **VIRUXSAN** at a dilution of 1:200 per 100 cubic meters even in the presence of animals.

STORAGE: Keep in a cool, dry place, in original closed containers, away from combustible substances.

We recommend preparing the necessary quantity of solution before use and do not store for more than 24 hours any leftover solution.

The formulation of **VIRUXSAN** can be called "multiactive" as it uses the associative effect of the components whose action purpose is integrated and complementary. The product has both a high sanitizing and detergent power and it is rich in oxidising agents able to act also on the molecular structure of the virus.

Furthermore, the presence of a buffer system causes that **VIRUXSAN** can also be used in conditions of not optimal application (large quantity of organic substance or very hard water) as its formulation is able to constantly stabilize the pH values preventing possible rises.

The use of **VIRUXSAN** is also recommended because the solutions have the following characteristics:

- Harmless to animals
- Non-irritant
- Not discolor
- Not corrosive
- They are biodegradable over 95% in 21 days
- Do not give unpleasant odors and tastes
- Do not leave residues
- The product is soluble in cold
- The product is classified NON-TOXIC

ENZYSORB

ENZYSORB is a feed supplement with an highly innovative formula, designed to grab and neutralize mycotoxins in the animal feed (Zearalenone, Deoxynivalenol, T2, Fumonisin, Aflatoxin, Ochratoxin, ...).

The activity of **ENZYSORB** consists in a triple action:

- sequestering,
- neutralizing
- detoxification

The sequestering action is due to a specific broadspectrum adsorbent clay (montmorillonite, bentonite, sepiolite), and through Mannan-Oligo-Saccharides (MOS) content in the cell walls of yeast, characterized by a very strong adsorbent action. The biological neutralizing action of the toxins is made by natural enzymes contained in the cytoplasm of yeast cells (yeast extract), in particular through the cytoplasmic Lysosome. These cellular structures are particularly rich in enzymes, which are capable of breaking down foreign bodies penetrated the living cell. The neutralizing effect happens, precisely, through an enzymatic non-specific process. The detoxification is made from brewer's active yeast, B group vitamins and silymarin from milk thistle.

ENZYSORB improves the feed intake, detoxifying the feed itself from the presence of mycotoxins.

COMPOSITION: Yeast products (yeast cell walls from *S. cerevisiae*), brewer's yeast of *Saccharomyces cerevisiae*, *Saccharomyces cerevisiae* yeast extract, wheat middlings, wheat flour.

ADDITIVES PER KG:

Vitamins, pro-vitamins and chemically well-defined substances having similar effect:

Vitamin B1/Thiamine mononitrate 3a821	_____	100 mg
Vitamin B2	_____	100 mg
Vitamin B6/pyridoxine hydrochloride 3a831	_____	150 mg
Vitamin B12	_____	1 mg
Biotin 3a880	_____	15 mg
Choline Chloride 3a890	_____	2.000 mg

Trace elements:

E 1 Ferrous carbonate	_____	807 mg
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Binders:

Bentonite-Montmorillonite E558	_____	350.000 mg
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Natural products – botanically defined:

Carduus marianus CoE551	_____	
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NUTRITIONAL VALUES:

Calcium	_____	0.7%
Magnesium	_____	0.1%
Sodium	_____	0.4%
Ash insoluble in HCl	_____	24.0%
Lysine	_____	1.4%

RECOMMENDED DOSAGE:

Poultry	_____	1 - 5 kg / ton
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Bag 20 kg

ECHOMOS plays a preventive action against feed poisoning caused by mycotoxins, and towards bacterial toxins formed in the enteric tract. In addition, thanks to an high concentration of β -glucans, **ECHOMOS** is characterized by a strong immunostimulant action, participating actively in the control of many diseases (virals and bacterials) present in all intensive farming nowadays. The sequestrant capacity against mycotoxins (Aflatoxin B1, Zearalenone, Deoxynivalenol, Fumonisin, T2, Ochratoxin...), bacterial and organic toxins, is due to the presence of Mannan Oligosaccharides (M.O.S.), oligomers of mannose non-digestible in the gastrointestinal tract. The direct contact between the feed and mannan oligosaccharides allows the chelation of mycotoxins contained in the feed. Once M.O.S. reach the intestine, they come in contact with the bacterial flora and, specifically, with toxins and pathogenic bacteria (*E.coli*, *Salmonella*, *Clostridium*). These bacteria are equipped with special fimbriae, thanks to which they can adhere to the intestinal wall and colonize the digestive tract. M.O.S., in these conditions, are able to bind the receptors of pathogens, giving origin to a inseparable complex (bacterium + M.O.S.) and

ECHOMOS

Prebiotic rich in Mannan OligoSaccharides (M.O.S.)

thus allowing a rapid evacuation through the feces. β -glucans are considered to be potent activators of the non-specific immune system. Both in vivo and in vitro trials confirm that they are able to increase the number of macrophages, the secretion of cytokines and the amount of immunoglobulin. β -glucans promote the production of monocytes, neutrophils, and increase the production of interleukins.

COMPOSITION:

Yeast product (yeast cell walls from *S. cerevisiae*)

NUTRITIONAL VALUES:

Crude protein	_____	21.0%
Crude fiber	_____	1.0%
β -glucans	_____	25.0%
Mannan oligosaccharides	_____	20.0%

RECOMMENDED DOSAGE:

Poultry	_____	0.2 - 0.5%
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Bag 20 kg



Big bag 600 kg

BROILERS 1/10

Mineral feed supplement for chickens for fattening

COMPOSITION: Mineral feed supplement for chickens for fattening composition: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcium	7.0%
Phosphorus	0.0%
Sodium	12.5%
Ash insoluble in HCl	3.0%
Lysin	0.0%
Methionine	0.0%

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a	1.500.000 UI
Vitamin D3 E 671	500.000 UI
Vitamin E 3a700	30.000 mg
Vitamin K3 3a710	400 mg
Vitamin C 3a300	20.000 mg
Vitamin B1 3a821	400 mg
Vitamin B2	1.000 mg
Vitamin B6/cloridrato di piridossina 3a831	600 mg
Vitamin B12	4.0 mg
Niacin 3a314	8.000 mg
Biotin 3a880	40 mg
Folic acid 3a316	600 mg
3a841 Calcium D- pantothenate	2.000 mg
Choline chloride 3a890	70.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate	9.825 mg
E 6 Zinc oxide	18.600 mg
E 5 Manganous oxide	19.350 mg
E 1 Ferrous carbonate	155.250 mg
Potassium iodide 3b201	1.310 mg
E 8 Sodium selenite	110 mg

RECOMMENDED DOSAGE:

Broilers (first 10 days): 1% of the complete feed or according to the indication of the nutritionist.

AVAILABLE VERSION WITH METHIONINE INTEGRATION 100.000 mg/kg



BROILER GROWERS 11-24

Mineral feed supplement for chickens for fattening

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcium	8.6%
Phosphorus	0.0%
Sodium	12.5%
Lysin	0.0%
methionine	0.0%

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a	1.000.000 UI
Vitamin D3 E 671	500.000 UI
Vitamin E 3a700	10.000 mg
Vitamin K3 3a710	400 mg
Vitamin C 3a300	20.000 mg
Vitamin B1 3a821	300 mg
Vitamin B2	900 mg
Vitamin B6/cloridrato di piridossina 3a831	600 mg
Vitamin B12	3.0 mg
Niacin 3a314	8.000 mg
Biotin 3a880	30 mg
Folic acid 3a316	250 mg
3a841 Calcium D- pantothenate	1.800 mg
Choline chloride 3a890	70.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate	9.825 mg
E 6 Zinc oxide	18.600 mg
E 5 Manganous oxide	19.350 mg
E 1 Ferrous carbonate	155.250 mg
Potassium iodide 3b201	1.310 mg
E 8 Sodium selenite	110 mg

RECOMMENDED DOSAGE:

Broilers (11 to 24 days): 1% of the complete feed or according to the indication of the nutritionist.

AVAILABLE VERSION WITH METHIONINE INTEGRATION 100.000 mg/kg



BROILER FINISHERS +25

Mineral feed supplement for chickens for fattening

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS % S.T.Q.:

Calcium	9.3%
Phosphorus	0.0%
Sodium	12.5%
Lysin	0.0%
Methionine	0.0%

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a	1.000.000 UI
Vitamin D3 E 671	500.000 UI
Vitamin E 3a700	10.000 mg
Vitamin K3 3a710	400 mg
Vitamin C 3a300	20.000 mg
Vitamin B1 3a821	300 mg
Vitamin B2	800 mg
Vitamin B6/cloridrato di piridossina 3a831	600 mg
Vitamin B12	3.0 mg
Niacin 3a314	8.000 mg
Biotin 3a880	30 mg
Folic acid.3a316	250 mg
3a841 Calcium D-pantothenate	1.500 mg
Choline chloride 3a890	60.000 mg

Trace elements:

E 4 Copper sulphate, pentaidrate	9.825 mg
E 6 Zinc Oxide	18.600 mg
E 5 Manganous oxide	19.350 mg
E 1 Ferrous carbonate	155.250 mg
Potassium iodide 3b201	1.310 mg
E 8 Sodium selenite	110 mg

RECOMMENDED DOSAGE:

Broilers (over 25 days): 1% of the complete feed or according to the indication of the nutritionist.

AVAILABLE VERSION WITH METHIONINE INTEGRATION 100.000 mg/kg



BROILER GROWERS MET 5%

Mineral feed supplement for chickens for fattening

COMPOSITION: Co-produced acid fermentation glutamic, Distiller of dehydrated wheat, Sodium chloride, Sodium bicarbonate, wheat middlings, wheat flour, Calcium Carbonate from powdered calcic rocks.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Creude proteine	50.0%	Sodium	2.5%
Oils and fats	4.1%	Methionine	4.5%
Crude fiber	2.5%	Lysine	1.1%
Crude ash	13.2%		

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a	200.000 UI
Vitamin D3 E 671	100.000 UI
Vitamin E 3a700	2.000 mg
Vitamin K3 3a710	80.0 mg
Vitamin C 3a300	4.000 mg
Vitamin B1 3a821	60 mg
Vitamin B2	180 mg
Vitamin B6/cloridrato di piridossina 3a831	120 mg
Vitamin B12	0.60 mg
Niacin 3a314	1.600 mg
Biotin 3a880	6.0 mg
Folic acid. 3a316	50 mg
3a841 Calcium D-pantothenate	360mg
Choline chloride 3a890	14.000 mg

Trace elements:

E 4 Cupric sulphate pentahydrate idrato	1.965 mg
E 6 Zinc oxide	3.720 mg
E 5 Manganous oxide oso	3.870 mg
E 1 Ferrous carbonate	31.050 mg
Potassium iodide 3b201	262 mg
E 8 Sodium selenite	21.9 mg

Binders:

Sepiolite E 562	61.2 mg
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Amino acids, their salts and analogues:

DL - metionina, tecnicamente pura 3c301	40.000 mg
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RECOMMENDED DOSAGE:

Growing chickens: 5% of the complete feed or according to the indication of the nutritionist.



COMPLEMENTARY FEED BROILERS

BROILERS BREEDERS STARTERS AND GROWER 0/18 W M

Mineral feed supplement for poultry reproduction

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcium _____	3.1%
Phosphorus _____	0.0%
Sodium _____	12.5%
Lysine _____	0.0%
Methionine _____	15.0%

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a _____	1.000.000 UI
Vitamin D3 E 671 _____	300.000 UI
Vitamin E 3a700 _____	10.000 mg
Vitamin K3 3a710 _____	500 mg
Vitamin C 3a300 _____	15.000 mg
Vitamin B1 3a821 _____	300 mg
Vitamin B2 _____	800 mg
Vitamin B6/cloridrato di piridossina 3a831 _____	500 mg
Vitamin B12 _____	3.0 mg
Niacin 3a314 _____	6.000 mg
Biotin 3a880 _____	40 mg
Folic acid. 3a316 _____	600 mg
3a841 Calcium D-pantothenate _____	1.500mg
Choline chloride 3a890 _____	70.000 mg

Trace elements:

E4 Cupric sulphate, pentahydrate _____	9.825 mg
E 6 Zinc oxide _____	18.600 mg
E5 Manganous oxide _____	19.350 mg
E 1 Ferrous carbonate _____	155.250 mg
Potassium iodide 3b201 _____	1.310 mg
E 8 Sodium Selenite _____	110 mg

Amino acids, their salts and analogues:
DL - methionine, technically pure 3c301 _____ 150.000 mg

RECOMMENDED DOSAGE:
Breeding poultry (up to 18 weeks): 1% of the complete feed or according to the indication of the nutritionist.

BROILER LAYERS +19 W M

Mineral feed for breeding poultry

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcium _____	4.5%
Phosphorus _____	0.0%
Sodium _____	12.5%
Lysine _____	0.0%
Methionine _____	10.0%

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a _____	1.000.000 UI
Vitamin D3 E 671 _____	300.000 UI
Vitamin E 3a700 _____	15.000 mg
Vitamin K3 3a710 _____	700 mg
Vitamin C 3a300 _____	15.000 mg
Vitamin B1 3a821 _____	350 mg
Vitamin B2 _____	1.600 mg
Vitamin B6/cloridrato di piridossina 3a831 _____	600 mg
Vitamin B12 _____	4.0 mg
Niacin 3a314 _____	6.000 mg
Biotin 3a880 _____	40 mg
Folic acid. 3a316 _____	400 mg
3a841 Calcium D-pantothenate _____	2.500mg
Choline chloride 3a890 _____	70.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate _____	9.825 mg
E 6 Zinc oxide _____	18.600 mg
E 5 Manganous oxide _____	19.350 mg
E 1 Ferrous carbonate _____	155.250 mg
Potassium iodide 3b201 _____	1.310 mg
E 8 Sodium Selenite _____	110 mg

Amino acids, their salts and analogues:
DL - methionine, technically pure 3c301 _____ 100.000 mg

RECOMMENDED DOSAGE:
Breeding poultry (up to 18 weeks): 1% of the complete feed or according to the indication of the nutritionist.

LAYERS STARTERS 0-10 W

Mineral feed for laying hens

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcium	10.2%
Phosphorus	0.0%
Sodium	13.3%
Lysine	0.0%
Methionine	0.0%

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a	1.000.000 UI
Vitamin D3 E 671	300.000 UI
Vitamin E 3a700	10.000 mg
Vitamin K3 3a710	350 mg
Vitamin C 3a300	15.000 mg
Vitamin B1 3a821	250 mg
Vitamin B2	700 mg
Vitamin B6/cloridrato di piridossina 3a831	550 mg
Vitamin B12	3.0 mg
Niacin 3a314	6.000 mg
Biotin 3a880	20 mg
Folic acid. 3a316	150 mg
3a841 Calcium D-pantothenate	1.700mg
Choline chloride 3a890	40.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate	9.825 mg
E 6 Zinc oxide	18.600 mg
E 5 Manganous oxide	19.350 mg
E 1 Ferrous carbonate	155.250 mg
Potassium iodide 3b201	655 mg
E 8 Sodium Selenite	110 mg

RECOMMENDED DOSAGE:

Laying hens (up to 10 weeks): 1% of the complete feed or according to the indication of the nutritionist-

AVAILABLE VERSION WITH METHIONINE INTEGRATION 250.000 mg/kg



LAYERS REARING 10W/2%

Mineral feed for laying hens

COMPOSITION:

Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcium	11.5%
Phosphorus	0.0%
Sodium	12.7%
Lysine	0.0%
Methionine	0.0%

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a	1.000.000 UI
Vitamin D3 E 671	300.000 UI
Vitamin E 3a700	3.500 mg
Vitamin K3 3a710	350 mg
Vitamin C 3a300	15.000 mg
Vitamin B1 3a821	250 mg
Vitamin B2	600 mg
Vitamin B6/cloridrato di piridossina 3a831	500 mg
Vitamin B12	3.0 mg
Niacin 3a314	6.000 mg
Biotin 3a880	15.0 mg
Folic acid 3a316	150 mg
3a841 Calcium D-pantothenate	1.500 mg
Choline chloride 3a890	40.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate	9.825 mg
E 6 Zinc oxide	18.600 mg
E 5 Manganous oxide	19.350 mg
E 1 Ferrous carbonate	155.250 mg
Potassium iodide 3b201	655 mg
E 8 Sodium Selenite	110 mg

RECOMMENDED DOSAGE:

Laying hens (up to 10 to 24 weeks): 1% of the complete feed or according to the indication of the nutritionist.

AVAILABLE VERSION WITH METHIONINE INTEGRATION 200.000 mg/kg



LAYERS PHASE

Mineral feed for laying hens

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcium	10.7%
Phosphorus	0.0%
Sodium	12.7%
Lysine	0.0%
Methionine	0.0%

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a	1.000.000 UI
Vitamin D3 E 671	300.000 UI
Vitamin E 3a700	3.000 mg
Vitamin K3 3a710	300 mg
Vitamin C 3a300	20.000 mg
Vitamin B1 3a821	300 mg
Vitamin B2	700 mg
Vitamin B6/cloridrato di piridossina 3a831	500 mg
Vitamin B12	3.0 mg
Niacin 3a314	5.000 mg
Biotin 3a880	15.0 mg
Folic acid . 3a316	150 mg
3a841 Calcium D-pantothenate	1.200mg
Choline chloride 3a890	50.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate	9.825 mg
E 6 Zinc oxide	18.600 mg
E 5 Manganous oxide	19.350 mg
E 1 Ferrous carbonate	155.250 mg
Potassium iodide 3b201	655 mg
E 8 Sodium Selenite	110 mg

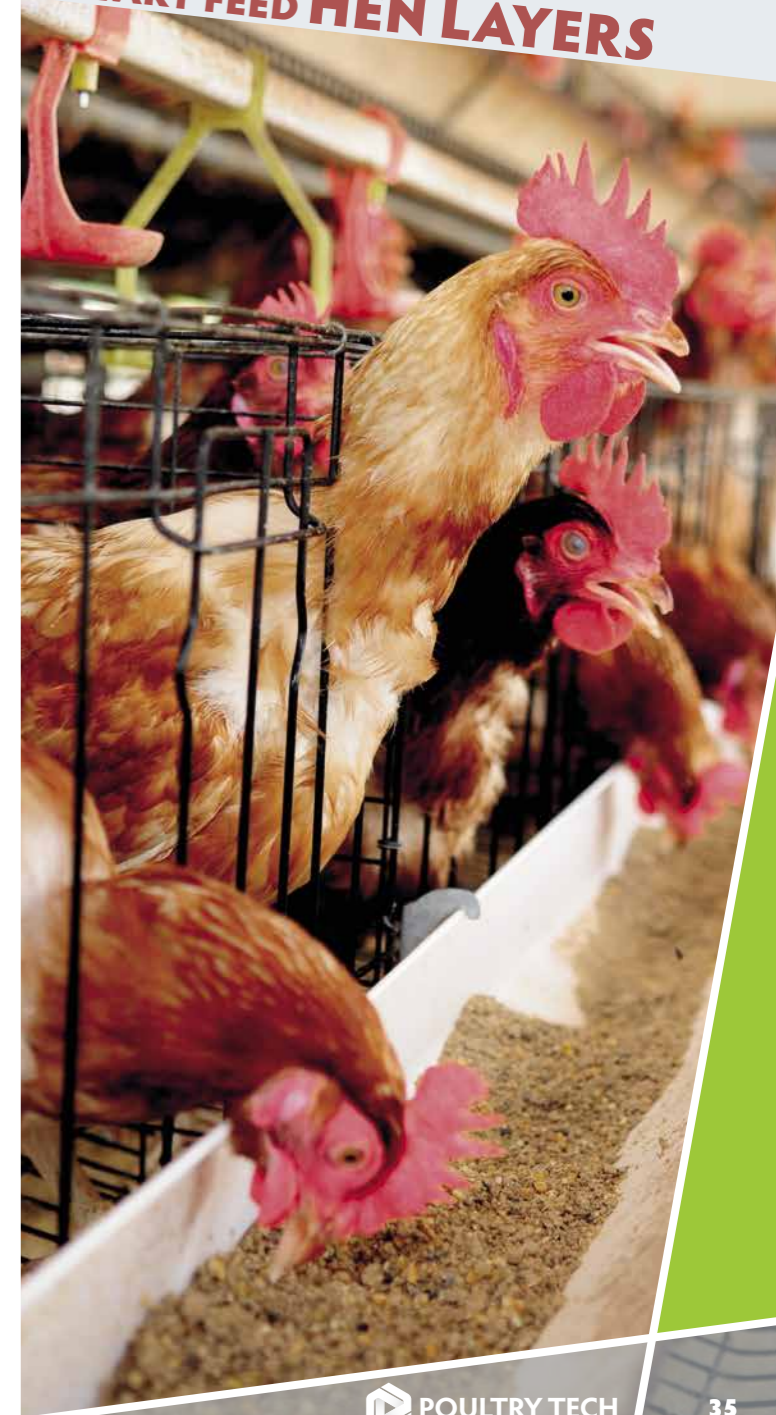
RECOMMENDED DOSAGE:

Laying hens (beyond 24 weeks): 1% of the complete feed or according to the indication of the nutritionist.

AVAILABLE VERSION WITH METHIONINE INTEGRATION 200.000 mg/kg



COMPLEMENTARY FEED HEN LAYERS





LAYER BREEDERS

Mineral feed for laying hens

COMPOSITION:

Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcium	6.2%
Phosphorus	0.0%
Sodium	12.7%
Lysine	0.0%
Methionine	0.0%

ADDITIVES PER KG:

Vitamins, pro-vitamins and substances with a similar effect:

Vitamin A 3a672a	1.000.000 UI
Vitamin D3 E 671	300.000 UI
Vitamin E 3a700	10.000 mg
Vitamin K3 3a710	500 mg
Vitamin C 3a300	20.000 mg
Vitamin B1 3a821	350 mg
Vitamin B2	1.200 mg
Vitamin B6/cloridrato di piridossina 3a831	600 mg
Vitamin B12	4.0 mg
Niacin 3a314	6.000 mg
Biotin 3a880	40 mg
Folic acid 3a316	600 mg
3a841 Calcium D-pantothenate	2.000mg
Choline chloride 3a890	50.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate	9.825 mg
E 6 Zinc oxide	18.600 mg
E 5 Manganous oxide	19.350 mg
E 1 Ferrous carbonate	155.250 mg
Potassium iodide 3b201	655 mg
E 8 Sodium Selenite	110 mg

Amino acids, their salts and analogues:

DL - methionine, technically pure 3c301	100.000 mg
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RECOMMENDED DOSAGE:

Laying hens: 1% of the complete feed or according to the indication of the nutritionist.

TURKEYS STARTERS 0-6W

Mineral feed for turkeys finishers

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcio _____	0.9%
Phosphorus _____	0.0%
Sodium _____	14.2%
Ash insoluble in HCl _____	2.4%
Lysine _____	4.0%
Methionine _____	0.0%

ADDITIVES PER KG:

Vitamins, pro vitamins and substances having a similar effect:

Vitamin A 3a672a _____	1.000.000 UI
Vitamin D3 E 671 _____	500.000 UI
Vitamin E 3a700 _____	25.000 mg
Vitamin K3 3a710 _____	500 mg
Vitamin C 3a300 _____	20.000 mg
Vitamin B1 3a821 _____	500 mg
Vitamin B2 _____	2.000 mg
Vitamin B6/ pyridoxine hydrochloride 3a831 _____	700 mg
Vitamin B12 _____	5.0 mg
Niacin 3a314 _____	15.000 mg
Biotin 3a880 _____	40 mg
Folic acid. 3a316 _____	600 mg
3a841 Calcium D-pantothenate _____	3.500 mg
Choline chloride 3a890 _____	120.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate _____	9.825 mg
E 6 Zinc oxide _____	18.600 mg
E 5 manganous oxide _____	19.350 mg
E 1 ferrous carbonate _____	155.250 mg
Potassium iodide 3b201 _____	1.310 mg
E 8 Sodium selenite _____	110 mg

Amino acids, their salts and analogues:

Lysine /L- lysine monochloride tech. pure 3.2.3 _____	50.000 mg
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RECOMMENDED DOSAGE:

Turkeys finishers (up to 6 weeks): 1% of the complete feed or according to the indication of the nutritionist.

AVAILABLE VERSION WITH METHIONINE INTEGRATION 100.000 mg/kg



TURKEYS GROWERS 7-12W

Mineral feed for turkeys finishers

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcio _____	3.2%
Phosphorus _____	0.0%
Sodium _____	14.2%
Lysine _____	4.0%
Methionine _____	0.0%

ADDITIVES PER KG:

Vitamins, pro vitamins and substances having a similar effect:

Vitamin A 3a672a _____	1.000.000 UI
Vitamin D3 E 671 _____	500.000 UI
Vitamin E 3a700 _____	8.000 mg
Vitamin K3 3a710 _____	400 mg
Vitamin C 3a300 _____	20.000 mg
Vitamin B1 3a821 _____	500 mg
Vitamin B2 _____	1.500 mg
Vitamin B6/ pyridoxine hydrochloride 3a831 _____	700 mg
Vitamin B12 _____	4.0 mg
Niacin 3a314 _____	10.000 mg
Biotin 3a880 _____	30 mg
Folic acid. 3a316 _____	300 mg
3a841 Calcium D-pantothenate _____	2.000 mg
Choline chloride 3a890 _____	100.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate _____	9.825 mg
E 6 Zinc oxide _____	18.600 mg
E 5 manganous oxide _____	19.350 mg
E 1 ferrous carbonate _____	155.250 mg
Potassium iodide 3b201 _____	1.310 mg
E 8 Sodium selenite _____	110 mg

Amino acids, their salts and analogues:

Lysine /L- lysine monochloride tech. pure 3.2.3 _____	50.000 mg
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RECOMMENDED DOSAGE:

Turkeys finishers (from 7 to 12 weeks): 1% of the complete feed or according to the indication of the nutritionist.

AVAILABLE VERSION WITH METHIONINE INTEGRATION 100.000 mg/kg



TURKEYS FINISHERS 13-18W

Mineral feed for turkeys finishers

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcio _____	6.2%
Phosphorus _____	0.0%
Sodium _____	14.2%
Lysine _____	4.0%
Methionine _____	0.0%

ADDITIVES PER KG:

Vitamins, pro vitamins and substances having a similar effect:

Vitamin A 3a672a _____	1.000.000 UI
Vitamin D3 E 671 _____	400.000 UI
Vitamin E 3a700 _____	5.000 mg
Vitamin K3 3a710 _____	400 mg
Vitamin C 3a300 _____	20.000 mg
Vitamin B1 3a821 _____	400 mg
Vitamin B2 _____	1.000 mg
Vitamin B6/ pyridoxine hydrochloride 3a831 _____	600 mg
Vitamin B12 _____	3.0 mg
Niacin 3a314 _____	8.000 mg
Biotin 3a880 _____	25 mg
Folic acid. 3a316 _____	250 mg
3a841 Calcium D-pantothenate _____	2.000 mg
Choline chloride 3a890 _____	60.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate _____	9.825 mg
E 6 Zinc oxide _____	18.600 mg
E 5 manganous oxide _____	19.350 mg
E 1 ferrous carbonate _____	155.250 mg
Potassium iodide 3b201 _____	1.310 mg
E 8 Sodium selenite _____	110 mg

Amino acids, their salts and analogues:

Lysine /L- lysine monochloride tech. pure 3.2.3 _____	50.000 mg
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RECOMMENDED DOSAGE:

Turkeys finishers (from 13 to 18 weeks): 1% of the complete feed or according to the indication of the nutritionist.

AVAILABLE VERSION WITH METHIONINE INTEGRATION 100.000 mg/kg



TURKEYS FINISHERS 2 18W+

Mineral feed for turkeys finishers

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcio _____	6.3%
Phosphorus _____	0.0%
Sodium _____	14.2%
Lysine _____	4.0%
Methionine _____	0.0%

ADDITIVES PER KG:

Vitamins, pro vitamins and substances having a similar effect:

Vitamin A 3a672a _____	900.000 UI
Vitamin D3 E 671 _____	300.000 UI
Vitamin E 3a700 _____	5.000 mg
Vitamin K3 3a710 _____	400 mg
Vitamin C 3a300 _____	20.000 mg
Vitamin B1 3a821 _____	300 mg
Vitamin B2 _____	1.000 mg
Vitamin B6/ pyridoxine hydrochloride 3a831 _____	600 mg
Vitamin B12 _____	3.0 mg
Niacin 3a314 _____	6.000 mg
Biotin 3a880 _____	25 mg
Folic acid. 3a316 _____	250 mg
3a841 Calcium D-pantothenate _____	2.000 mg
Choline chloride 3a890 _____	60.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate _____	9.825 mg
E 6 Zinc oxide _____	18.600 mg
E 5 manganous oxide _____	19.350 mg
E 1 ferrous carbonate _____	155.250 mg
Potassium iodide 3b201 _____	1.310 mg
E 8 Sodium selenite _____	110 mg

Amino acids, their salts and analogues:

Lysine /L- lysine monochloride tech. pure 3.2.3 _____	50.000 mg
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RECOMMENDED DOSAGE:

Turkeys finishers (over 18 weeks): 1% of the complete feed or according to the indication of the nutritionist.

AVAILABLE VERSION WITH METHIONINE INTEGRATION 100.000 mg/kg



TURKEYS BREEDERS STARTERS 0-6W METH

Mineral feed for turkeys breeders

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcio _____	0.8%
Phosphorus _____	0.0%
Sodium _____	10.3%
Ash insoluble in HCl _____	2.3%
Lysine _____	4.0%
Methionine _____	10.0%

ADDITIVES PER KG:

Vitamins, pro vitamins and substances having a similar effect

Vitamin A 3a672a _____	1.000.000 UI
Vitamin D3 E 671 _____	500.000 UI
Vitamin E 3a700 _____	25.000 mg
Vitamin K3 3a710 _____	500 mg
Vitamin C 3a300 _____	20.000 mg
Vitamin B1 3a821 _____	500 mg
Vitamin B2 _____	2.000 mg
Vitamin B6/ pyridoxine hydrochloride 3a831 _____	700 mg
Vitamin B12 _____	5.0 mg
Niacin 3a314 _____	15.000 mg
Biotin 3a880 _____	60 mg
Folic acid. 3a316 _____	600 mg
3a841 Calcium D-pantothenate _____	3.500mg
Choline chloride 3a890 _____	120.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate _____	9.825 mg
E 6 Zinc oxide _____	18.600 mg
E 5 manganous oxide _____	19.350 mg
E 1 ferrous carbonate _____	155.250 mg
Potassium iodide 3b201 _____	1.310 mg
E 8 Sodium selenite _____	110 mg

Amino acids, their salts and analogues:

Lysine /L- lysine monochloride tech. pure 3.2.3 _____	50.000 mg
DL - methionine, technically pure 3c301 _____	100.000 mg

RECOMMENDED DOSAGE:

Turkeys breeders (up to 6 weeks): 1% of the complete feed or according to the indication of the nutritionist.



COMPLEMENTARY FEED TURKEYS BREEDERS

TURKEYS BREEDERS GROWERS 7-29W METH

Mineral feed for turkeys breeders

COMPOSITION: Sodium chloride, Sodium bicarbonate, Calcium carbonate from powdered calcic rocks, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcio _____	1.0%
Phosphorus _____	0.0%
Sodium _____	11.8%
Lysine _____	4.0%
Methionine _____	10.0%

ADDITIVES PER KG:

Vitamins, pro vitamins and substances having a similar effect:

Vitamin A 3a672a _____	1.00.000 UI
Vitamin D3 E 671 _____	500.000 UI
Vitamin E 3a700 _____	8.000 mg
Vitamin K3 3a710 _____	400 mg
Vitamin C 3a300 _____	20.000 mg
Vitamin B1 3a821 _____	300 mg
Vitamin B2 _____	1.500 mg
Vitamin B6/ pyridoxine hydrochloride 3a831 _____	700 mg
Vitamin B12 _____	4.0 mg
Niacin 3a314 _____	8.000 mg
Biotin 3a880 _____	60 mg
Folic acid. 3a316 _____	300 mg
3a841 Calcium D-pantothenate _____	3.000 mg
Choline chloride 3a890 _____	120.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate _____	9.825 mg
E 6 Zinc oxide _____	18.600 mg
E 5 manganous oxide _____	19.350 mg
E 1 ferrous carbonate _____	155.250 mg
Potassium iodide 3b201 _____	1.310 mg
E 8 Sodium selenite _____	110 mg

Amino acids, their salts and analogues:

Lysine /L- lysine monochloride tech. pure 3.2.3 _____	50.000 mg
DL - methionine, technically pure 3c301 _____	100.000 mg

RECOMMENDED DOSAGE:

Turkeys breeders (from 7 to 29 weeks): 1% of the complete feed or according to the indication of the nutritionist.

TURKEYS BREEDERS LAYING PHASE METH

Mineral feed for turkeys breeders

COMPOSITION: Sodium chloride, Calcium carbonate from limestone rocks milled, sodium bicarbonate, wheat middlings, wheat flour.

ANALYTICAL CONSTITUENTS (% ON AS IS):

Calcio _____	0.9%
Phosphorus _____	0.0%
Sodium _____	13.2%
Lysine _____	4.0%
Methionine _____	8.0%

ADDITIVES PER KG:

Vitamins, pro vitamins and substances having a similar effect:

Vitamin A 3a672a _____	1.000.000 UI
Vitamin D3 E 671 _____	500.000 UI
Vitamin E 3a700 _____	15.000 mg
Vitamin K3 3a710 _____	500 mg
Vitamin C 3a300 _____	20.000 mg
Vitamin B1 3a821 _____	500 mg
Vitamin B2 _____	2.000 mg
Vitamin B6/ pyridoxine hydrochloride 3a831 _____	700 mg
Vitamin B12 _____	5.0 mg
Niacin 3a314 _____	12.000 mg
Biotin 3a880 _____	60 mg
Folic acid 3a316 _____	600 mg
3a841 Calcium D-pantothenate _____	3.500mg
Choline chloride 3a890 _____	100.000 mg

Trace elements:

E 4 Cupric sulphate, pentahydrate _____	9.825 mg
E 6 Zinc oxide _____	18.600 mg
E 5 manganous oxide _____	19.350 mg
E 1 ferrous carbonate _____	155.250 mg
Potassium iodide 3b201 _____	1.310 mg
E 8 Sodium selenite _____	110 mg

Amino acids, their salts and analogues:

Lysine /L- lysine monochloride tech. pure 3.2.3 _____	50.000 mg
DL - methionine, technically pure 3c301 _____	80.000 mg

RECOMMENDED DOSAGE:

Turkeys breeders (from 30 weeks): 1% of the complete feed or according to the indication of the nutritionist.

ACTACID

Liquid complementary feed for poultry

TECHNICAL NOTES:

ACTACID thanks to the use of acids and especially of formic acid is able both to sanitize the feed and to reduce the replicative capacity of Clostridia in the gut.

Formic acid plays a fundamental inhibitory action on the multiplication of Clostridia, both in the feed fed (presence of ground hay and/or in straw), both at the enteric level.

The Propionic acid performs a control of both the abnormal intestinal fermentation, due to a possible overproduction of vasoactive toxins.

COMPOSITION: Glucose and Fructose syrup.

ADDITIVES (FOR KG):

Preservatives:

Formic Acid E236 _____	340.000 mg
Propionic Acid E280 _____	200.000 mg
Ortophosphoric acid 1a338 _____	42.500 mg
Lactic Acid E270 _____	40.000 mg

NUTRITIONAL VALUES (ON AS IS):

Humidity _____	32.7%
Crude ashes _____	0.4%

RECOMMENDED DOSAGE:

Poultry _____	50 L/1000 L for 3-7 days
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FLUIFORT K

Premix for poultry

TECHNICAL NOTES:

FLUIFORT K is a liquid product based on water-dispersed liposoluble vitamins, highly bioavailable and enriched with the addition of Vitamin K, Extract of Garlic and Oregano from high biological value.

The addition of a high dose of Vitamin K, *Allium sativum* (Allicin) and *Origanum vulgare* (Carvacrol and Thymol), in combination with liposoluble vitamins, provides an active and powerful support for the control and prevention of enteric pathologies, inhibiting the development of pathogenic bacteria and stimulating the activity and growth of positive flora.

FLUIFORT K is indispensable, as a nutritional support, in the prevention and resolution of all those pathological conditions of the enteric gastrointestinal tract including coccidiosis.

The use of **FLUIFORT K** is therefore ideal in the course of antibiotic treatment, during the occurrence of enteric pathologies or in their prevention. Pulmonary elimination of Allicin also contributes to the prevention of respiratory illness.

COMPOSITION: Purified water.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin A 3a672a _____	20.000.000 UI
Vitamin D3 E 671 _____	5.000.000 UI
Vitamin E 3a700 _____	100.000 mg
Vitamin K 3a710 _____	5.000 mg

Natural products - botanically defined:

<i>Allium sativum</i> L.: Garlic oil CoE 26 (Allicin 0.4%) _____	15.000 mg
<i>Origanum vulgare</i> L., <i>Lippia</i> ssp.: Oregano oil CoE 317 (Carvacrol 5%; Thymol 0.2%) _____	25.000 mg

RECOMMENDED DOSAGE:

Broiler (\leq 14 days) _____	1 L / 1000 L
Broiler ($>$ 14 days) _____	0.5 L / 1000 L

PHYTACID

Premix for poultry

TECHNICAL NOTES:

PHYTACID exceeds the normal "acidifier" concept and offers alternative and enhanced solutions to control normal enteric pathologies.

PHYTACID works on two different and complementary levels:

on the one hand, we have an acidifying pool, active throughout the gastro-enteric tract and able to inhibit the development of pathogenic bacteria such as *Salmonella*, *Clostridi* and *E. coli*; on the other hand, it offers a particularly concentrated and active integration of vegetal extracts obtained from Garlic and Oregano (Allicin, Carvacrol and Thymol).

Vegetal extracts present in **PHYTACID** show their activity with antibacterial action on intestinal pathogenic flora, amplifying the effect of acids and making a clear selection for positive microflora.

The use of **PHYTACID** is therefore recommended, in the role of nutritional support, in the prevention and treatment of all enteric pathologies that follow the stages of animal development.

COMPOSITION: Purified water.

ADDITIVES FOR L:

Preservatives:

Formic acid E236 (85%) _____	200.000 mg
Propionic acid E280 (99%) _____	150.000 mg
Lactic acid E270 (80%) _____	100.000 mg
Acetic acid E260 (80%) _____	50.000 mg

Natural products - botanically defined:

<i>Allium sativum</i> L.: Garlic oil CoE 26 (Allicin 0.4%) _____	15.000 mg
<i>Origanum vulgare</i> L., <i>Lippia</i> ssp.: Oregano oil CoE 317 (Carvacrol 5%; Thymol 0.2%) _____	25.000 mg

RECOMMENDED DOSAGE:

Broiler _____	0.5 L / 1000 L
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LIQUIBETA

Premix for poultry

TECHNICAL NOTES:

LIQUIBETA is a liquid concentrate of water-soluble B group vitamins in aqueous carrier, highly bioavailable and enriched with the addition of Silymarin (*Silybum marianum*), a plant extract with high detoxification activity.

The addition of Silymarin guarantees, in conjunction with the B group vitamins, an active and powerful support for full recovery of liver activity, detoxifying and protecting it from any external toxic attack (mycotoxins, chemical or antibiotic treatments,...).

The use of **LIQUIBETA** is therefore indispensable in the resolution of all those cases of intoxication due to the presence of mycotoxins in feed, antibiotic treatment, environmental or pathological stress, or convalescence periods.

LIQUIBETA is also ideal for start-ups of young subjects, to be used immediately after the arrival of the same in final destination cattle.

COMPOSITION: Purified water.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin B1 3a820	4.000 mg
Vitamin B2	10.000 mg
Vitamin B6 3a821	6.000 mg
Vitamin B12	40 mg
Niacine 3a314	80.000 mg
D-panthenol 3a842	20.000 mg
Folic acid 3a316	2.500 mg
Biotin 3a880	400 mg
Choline chloride 3a890	50.000 mg

Natural products - botanically defined:

Silybum marianum (L.) Gaertn.:	
Carduus marianus L.: Milk thistle extract CoE 551	15.000 mg

RECOMMENDED DOSAGE:

Broiler	0.5 L / 1000 L
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PHYTO BETA PLUS

Premix for poultry

TECHNICAL NOTES:

PHYTO BETA PLUS is a liquid and highly concentrated product based on water-soluble B group vitamins, dispersed in aqueous carrier, highly bioavailable and enriched with the addition of Silimarina (*Silybum marianum*), Garlic (*Allium sativum*) and *Saccharomyces cerevisiae* yeast.

The group B vitamin complex exposes a detoxifying activity while the addition of plant and yeast extracts amplifies regenerating power of the product.

The addition of Silimarina, Garlic and Yeast guarantees, in combination with B vitamins, an active and strong support for complete recovery of liver metabolic activity.

The use of **PHYTO BETA PLUS** is indispensable in resolving all those cases of intoxication due to the presence of mycotoxins in feed, to antibiotic treatment, to environmental or pathological stress, or periods of convalescence. **PHYTO BETA PLUS** is also ideal for start-up phases of young animals, to be used in the hours immediately after their arrival in the final breeding structure.

COMPOSITION: Purified water, Yeast cell wall from *Saccharomyces cerevisiae*, Brewer's yeast from *Saccharomyces cerevisiae*.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin B1 3a820	5.500 mg
Vitamin B2	13.000 mg
Vitamin B6 3a821	8.000 mg
Vitamin B12	55 mg
Niacine 3a314	100.000 mg
D-panthenol 3a842	25.000 mg
Folic acid 3a316	3.200 mg
Biotin 3a880	550 mg
Choline chloride 3a890	50.000 mg

Natural products - botanically defined:

Allium sativum L.: Garlic oil CoE 26 (Allicin 0.4%)	15.000 mg
Silybum marianum (L.) Gaertn.:	
Carduus marianus L.: Milk thistle extract CoE 551	15.000 mg

RECOMMENDED DOSAGE:

Broiler	0.5 L / 1000 L
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PROMOTER B

Premix for poultry

TECHNICAL NOTES:

PROMOTER B is a liquid concentrate of water-soluble vitamins of the Vitamin B group, dispersed in aqueous carrier, highly bioavailable and enriched with the addition of an amino acids complex, sugars and a mineral pool with rehydrating action.

The use of **PROMOTER B** is therefore indispensable in the resolution of all those cases of intoxication due to the presence of mycotoxins in feed, antibiotics, stress, environmental or pathological conditions or convalescence periods.

PROMOTER B is also ideal for start-up phases of young animals, to be used in the hours immediately after arrival, as a matter of fact, thanks to its rehydrating, detoxifying and stimulating appetite, it guarantees a quick recovery and rapid start-up of food intake.

COMPOSITION: Purified water, Sorbitol, Propylene glycol, Dextrose, Potassium citrate, Magnesium chloride, Sodium citrate, Calcium Chloride.

ADDITIVES FOR L:

Vitamins, provitamins and chemically well-defined substances having similar effect:

Vitamin B1 (Thiamine monochlorhydrate) 3a821	1.000 mg
Vitamin B3 (Niacinamide) 3a315	2.000 mg
Vitamin B5 (Pantothenic Acid/Calcium D-pantothenate) 3a841	1.000 mg
Vitamin B6/Pyridoxine Hydrochloride 3a831	1.800 mg

Natural or corresponding synthetic chemically defined flavourings:

CAS No. 56-86-0 / L-glutamic acid	2.000 mg
CAS No. 56-40-6 / Glycine / Flavis No. 17.034	10.000 mg

Amino acids, their salts and analogues:

L-Lysine Monochloride (3.2.3)	5.000 mg
L-Arginine (3c3.6.1)	1.000 mg
L-Threonine (3.3.1)	5.000 mg
L-Tryptophane (3.4.1)	3.000 mg
DL-Methionine (3c301)	300 mg

RECOMMENDED DOSAGE:

Broiler	1 Lt / 4.000 liters of drinking water for 5-7 days
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FLUIFORT C

Premix for poultry

TECHNICAL NOTES:

FLUIFORT C is a liquid product based on hydrodispersed liposoluble vitamins in aqueous carrier, highly bioavailable and enriched with the addition of Vitamin C, Echinacea purpurea extract and Yeast cell walls (M.O.S.).

The addition of a high dose of Vitamin C, Echinacea purpurea extract, and Yeast cell wall guarantees, in combination with liposoluble vitamins, an active and powerful support to immune system activity. The use of **FLUIFORT C** is therefore indispensable in preventing and resolving environmental and infectious stress, by counteracting the pressure exerted by high ambient temperature, overcrowding or pathological pressures.

FLUIFORT C is therefore ideal for nutritional support, during antibiotic and vaccine treatment, in the prevention of infectious diseases or in all those situations in which is sought a strong stimulation of the immune system.

COMPOSITION: Purified water, Yeast cell wall from *Saccharomyces cerevisiae*.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin A 3a672a	15.000.000 UI
Vitamin D3 E 671	5.000.000 UI
Vitamin E 3a700	50.000 mg
Vitamin C 3a300	50.000 mg

Natural products - botanically defined:

Echinacea purpurea (L.) Moench.:	
Echinacea tincture (polyphenols 4%)	50.000 mg

RECOMMENDED DOSAGE:

Broiler (≤ 14 days)	1 L / 1000 L
Broiler (> 14 days)	0.5 L / 1000 L

IMMUNOPHYT

Premix for poultry

TECHNICAL NOTES:

IMMUNOPHYT is a liquid concentrate based on Selenium and Vitamin E, dispersed in aqueous carrier and enriched with the addition of Echinacea and Yeast Cells (M.O.S.).

The presence of a strong concentration of Vitamin E and Selenium, in addition to the Echinacea purpurea Extract and the Yeast Cell Walls, make **IMMUNOPHYT** the ideal support for immune system activity. The use of **IMMUNOPHYT** is therefore indispensable in the prevention and resolution of all those stressful, environmental or pathological conditions which occur during breeding.

IMMUNOPHYT is essential, as a support, undergoing antibiotic and vaccine treatment, in the prevention of various pathologies (both respiratory and enteric) and in all situations where a pacing of particular efficacy is sought in relation to the activity of the immune system.

COMPOSITION: Purified water, Yeast cell wall from *Saccharomyces cerevisiae*.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin E 3a700	100.000 mg
Vitamin K 3a710	5.000 mg

Compound of trace elements:

Selenium (Sodium selenite) E8	500 mg
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Natural products - botanically defined:

Echinacea purpurea (L.) Moench.:	
Echinacea tincture (polyphenols 4%)	50.000 mg

RECOMMENDED DOSAGE:

Broiler	0.5 L / 1000 L
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PRESIDIUM

Premix for poultry

TECHNICAL NOTES:

PRESIDIUM is a liquid product rich in Vitamin C and Vitamin K.

Vitamin C is a powerful natural antioxidant very important in dealing with all stress conditions (pathological, environmental, climatic, toxic ...) and stimulating immune system activity.

Vitamin K is a decisive factor in blood clotting processes and its deficiency can cause minor bleeding, blood spots in eggs, or bleeding in the legs and breast.

Vitamin K is also protective against the enteric damage produced by *Coccidiosis*.

PRESIDIUM is therefore the ideal support to overcome all those stressful periods that can be attributed to general infectious processes, *coccidiosis*, or particular environmental issues (for example, overcrowding or heat stress).

COMPOSITION: Purified water.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin C 3a300	150.000 mg
Vitamin K 3a710	5.000 mg

RECOMMENDED DOSAGE:

Broiler	0.5 L / 1000 L
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SELIUM E

Premix for poultry

TECHNICAL NOTES:

SELIUM E is a liquid product based on vitamin E and selenium dispersed in aqueous carrier.

SELIUM E is particularly concentrated and its formulation is designed to act as a nutritional support in all stress states, due to bacterial or viral infections, food poisoning, high temperatures, environmental stress and in all cases when the immune system stimulation is required. **SELIUM E** is particularly active in musculoskeletal disorders and in recovery of functional and commercial damage to muscle mass (myodystrophy).

Vitamin E - essential to face or to prevent problems related to the musculoskeletal, the neurological and immune system. Vitamin E is also a powerful antioxidant, ideal for use in all stress conditions (pathologies, antibiotics, vaccine treatments ...).

Selenium - essential for maintaining, in conjunction with vitamin E, the antioxidant, reproductive and immune system.

COMPOSITION: Purified water.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin E 3a700	200.000 mg
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Compounds of trace elements:

Selenium (Sodium selenite) E8)	500 mg
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RECOMMENDED DOSAGE:

Broiler	0.5 L / 1000 L
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VIRASE

Premix for poultry

TECHNICAL NOTES:

VIRASE is a high dosage vitamin E, K and C concentrate, dispersed in aqueous carrier and enriched with extracts of Echinacea purpurea, Allium sativum and Yeast Cell Walls (M.O.S.).

The presence of a strong vitamin concentration, extracts of Echinacea, Garlic and Yeast Cell Walls make **VIRASE** the ideal support for the correct activity of an immune system under severe infectious pressure. The use of **VIRASE** is therefore indispensable, as a nutritional support, in the prevention and resolution of all those states of immunodepression and infectious pressure able to alter dangerously the farm equilibrium. **VIRASE** is to use in the course of antibiotic and vaccine treatment, in the prevention of respiratory or enteric pathologies and in all situations where is sought a strong stimulation of immune system activity.

COMPOSITION: Purified water, Yeast cell wall from Saccharomyces cerevisiae.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin E 3a700 _____	50.000 mg
Vitamin K 3a710 _____	5.000 mg
Vitamin C 3a300 _____	50.000 mg

Natural products - botanically defined:

Echinacea purpurea (L.) Moench.: _____	
Echinacea tincture (polyphenols 4%) _____	50.000 mg
Silybum marianum (L.) Gaertn.: _____	
Allium sativum L.: Garlic oil CoE 26 (Allicin 0.4%) _____	15.000 mg

RECOMMENDED DOSAGE:

Broiler _____	0.5 L / 1000 L
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LIQUIFORT

Premix for poultry

TECHNICAL NOTES:

LIQUIFORT is a liquid product based on hydrodispersed liposoluble vitamins in aqueous carrier. **LIQUIFORT** vitamin formulation has been designed to meet the needs of fast growing or depositing animals and its use is recommended in the following cases:

- Vitamin A - reduction in egg production, weakness, lack of appetite and lack of body growth, protection of respiratory and intestinal epithelium and reproductive problems in general.
- Vitamin D - issues related to the composition or strength of the eggshell, reduced hatch, weakness of the limbs and skeletal disorders manifested during too fast bodily growth.
- Vitamin E - problems related to the musculoskeletal, neurological and immune system. Vitamin E is a powerful antioxidant, ideal for use in all conditions of stress (pathologies, antibiotics, vaccine treatments...).

COMPOSITION: Purified water.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin A 3a672a _____	10.000.000 UI
Vitamin D3 E 671 _____	3.000.000 UI
Vitamin E 3a700 _____	50.000 mg

RECOMMENDED DOSAGE:

Broiler _____	0.5 L / 1000 L
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LIQUIFORT PLUS

Premix for poultry

TECHNICAL NOTES:

LIQUIFORT PLUS is a liquid product based on hydrodispersed liposoluble vitamins in aqueous carrier. **LIQUIFORT PLUS** is particularly concentrated and its vitamin formulation is designed to meet the needs of fast growing or depositing animals and its use is recommended in the following cases:

- Vitamin A - reduction in egg production, weakness, lack of appetite and lack of bodily growth, protection of respiratory and intestinal epithelium, reproductive problems.
- Vitamin D - issues related to the composition or strength of the eggshell, reduced hatch, weakness of the limbs and skeletal disorders manifested during a too fast bodily growth.
- Vitamin E - problems related to the musculoskeletal, neurological and immune system. Vitamin E is a powerful antioxidant, ideal for use in all conditions of stress (pathologies, antibiotics, vaccine treatments...).

COMPOSITION: Purified water.

ADDITIVES FOR L:

Vitamin, provitamin and substance have analogue effect:

Vitamin A 3a672a _____	20.000.000 UI
Vitamin D3 E 671 _____	5.000.000 UI
Vitamin E 3a700 _____	100.000 mg

RECOMMENDED DOSAGE:

Broiler (≤ 14 days) _____	1 L / 1000 L
Broiler (> 14 days) _____	0.5 L / 1000 L



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