



dr.
Coutteel

For the health of your birds!

FOOD SUPPLEMENTS
for birds

Content

Introduction	page 3
10 steps to a succesfull breeding	page 4
Dosage scheme for supplements	page 7
Amino-Fort	page 8
Electrolytes	page 9
Health-Oil	page 10
Hepato-Chol	page 11
Multi-Vitamin	page 12
Mycosol	page 13
Vigo-Carnitine	page 14
Vit-AZ-min	page 15
Vitamin KADRIE	page 16
Notes	page 17
Technical data	page 18

Introduction



Doctor Peter Coutteel graduated at the state university of Ghent in 1983.

Peter's fascination for animals and birds in particular, already manifested in his childhood. From the beginning of his profession as a veterinarian, Peter put his focus on the field of birds.

Thanks to his participation in congresses all around the world, his knowledge was not limited only to the most common species.

He also knows a great deal about the less familiar feathered friend. Because of his involvement in global congresses, he got a tremendous experience which resulted in several scientific publications.

The last decade, he exclusively treats birds of all kinds in vet center **Trigenio** in Nijlen, Belgium.

By giving lectures, he tries to assist bird lovers and owners to guarantee an optimal pursue of their hobby. One of his largest goals is to give the breeder the proper guidance and to stress the interest of a positive collaboration between the breeder and the veterinarian.

A breeder is always required to simulate their bird's habitat to the best of his ability. This applies to both food and housing... and this goes for all of its aspects.

The philosophy of this product range of food supplements follows that idea.

Good luck!



*Dr. Peter Coutteel, DVM
Veterinary Clinic TRIGENIO
Dorsel 38 – 2560 Nijlen – Belgium
info@trigenio.be and www.trigenio.be*

10 steps to a successful breeding



1. Veterinary check-up 6-8 weeks before the breeding season

For the check-up, address to a veterinary specialized in birds.

- Complete physical exam
- Microscopical examination of feces and crop swab with direct interpretation
- Evaluation of problems in the previous breeding season

Only if diseases are diagnosed, a specific treatment will be proposed. However, for passerines and European finches, often a preventative treatment for coccidiosis or toxoplasmosis is advised. For psittacines and parakeets a preventative worming can be done.

2. Supplements in the drinking water to obtain a perfect breeding condition

As soft food is not much administered during the preparation, it is important to work via the drinking water (see scheme).

- **VIGO-CARNITINE, HEPATO-CHOL, VITAMIN KADRIE**
- **MYCOSOL** (optional to strengthen the immune system)

3. Possible supplements for the soft food during preparation

- **VIT-AZ-MIN, AMINO-FORT, MULTI-VITAMIN + HEALTH-OIL**

4. Light sources and light manipulation in the breeding room

Use fluorescent tubes with UV spectrum 5.500K best with integrated High Frequency ballast.

Start with 12 h and lengthen daylight length every week with 30 minutes
Start breeding when 14 – 15 hours a day and follow afterwards the natural daylight lengthening.

5. Disinfection of the breeding room

Before introducing birds to their breeding cages, clean and disinfect the whole place with appropriate disinfectant.

Afterwards you can spray the whole environment, to eliminate external parasites such as bloodsucking mites. All nest bowls and perches are to be cleaned separately.

6. Preparation of the birds

- Check beak length and cut long nails
- Use an ointment on the legs for scales, especially with older birds
- The long feathered birds are to be trimmed around eyes and cloacae with scissors

7. Possible supplements for the soft food during the breeding season

Most birds are taking soft food very well during the period of raising chicks. Especially small finches, type canaries and heavily feathered birds are requesting a perfect food for their high needs. To balance these needs, one can add special supplements on a daily basis.

- **AMINO-FORT**

When it comes to young birds, minerals, dietary elements and a good source of calcium is essential to grow up. It is also important for a smooth oviposition.

- **VIT-AZ-MIN**

8. Supplements for the drinking water during the breeding season

- **VIGO-CARNITINE, HEPATO-CHOL and VITAMIN KADRIE**

Dyes for coloration are only to be administered with small breaks: f.e. only during the weekdays and not in the weekend or every other day.

9. Moulting period

- After breeding, weaned youngsters of canaries and European finches often need a treatment for coccidiosis and/or toxoplasmosis
- Housing is to be provided in small groups in order to allow sufficient physical exercise for the birds and to stimulate an optimum development of the muscles
- Avoid overcrowding
- Support in the drinking water:
HEPATO-CHOL, VIGO-CARNITINE and MYCOSOL
- Support in the soft food:
AMINO-FORT and VIT-AZ-MIN
HEALTH-OIL + MULTI-VITAMIN

10. Support during resting period

- In this period, avoid heavy food and reduce the quantity of soft food
- Respect the natural shortening of the daylight length
- Take care of good hygiene in a well-ventilated room

Enjoy your hobby, good luck and I look forward to our co-operation!



Dosage scheme for supplements

Preparation of breeding (6-8 weeks before the breeding season)

Through water

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Vigo-Carnitine					█		
Hepato-Chol						█	
Vitamin KADRIE							█
Mycosol	█	█	█	█			

Through soft food

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Amino-Fort		█		█			
Vit-AZ-min		█		█			
Health-Oil						█	
Multi-Vitamin						█	

During breeding season

Through water

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Vigo-Carnitine					█		
Hepato-Chol						█	
Vitamin KADRIE							█

Through soft food

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Amino-Fort		█		█		█	█
Vit-AZ-min		█		█		█	█

During moult and resting period

Through water

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Vigo-Carnitine					█		
Hepato-Chol						█	█
Mycosol	█	█	█	█			

Through soft food

	Mon	Tue	Wed	Thur	Fri	Sat	Sun
Amino-Fort		█		█			
Vit-AZ-min		█		█			
Health-Oil						█	█*
Multi-Vitamin						█	█*

* optional

In accordance with your vet, this scheme can be adapted to the individual needs of your bird(s).

Amino-Fort



Amino acid supplement

AMINO-FORT contains 20 amino acids of which the share of Methionine, Choline and Lysine is over 30%.

Each cell needs amino acids to assemble proteins. We know 20 of these building bricks. The body itself can make 12 independently, 8 of them need to come from food. We call these ones “essential amino acids”.

Amino-Fort can be used on a daily basis during breeding and molting.

Purpose

- To prevent a shortage of essential amino acids
- To boost growth and muscle development
- Needed during the molting
- Indispensable for heavily feathered breeds
- To replace other protein sources

Administration

- Dosage: through feeding
- 5 measuring spoons (ca 20 g) / 1 kg soft food or grain mixture (not soluble in water)

Presentation

- Powder in packages of 200 g and 1 kg
- Including measuring spoon

Electrolytes



ELECTROLYTES is a rehydrating formula.

This composition contains a unique combination of electrolytes (salts and minerals) and glucose as a source of energy. Electrolytes ensure a perfect balance of water inside the body. At times of heavy physical effort, for example during a competition, the body loses a lot of fluid and body salts, like sodium, potassium, magnesium, calcium and chloride. When a shortage of these electrolytes occurs, the body will have a disturbed balance of fluids, which results in a reduction of both endurance and performance.

Purpose

- Restores moisture balance
- Support in time of moisture loss
- Faster recovery after racing
- Removal of lactic acid from muscles
- Enhances the recovery after a huge moisture loss

Administration

- Dosage: through the drinking water
- 5 full measuring spoons (30 g) / 1 liter drinking water
- Offer when coming home after contests
- Keep dry and make sure to close well after use

Presentation

- Powder in packages of 1 kg
- Including measuring spoon

Health-Oil



HEALTH-OIL contains essential natural oils and active aromatics.

By administering this oil, resistance will be stimulated in a natural manner. When resistance is increased, there is less need for any antibiotics.

Oils can also operate as a reserve source of energy on which the body can rely.

Purpose

- Increase resistance
- To guarantee a stress resistance
- Creation of fuel reserve for muscle activity
- Protection against the risks that can harm health when living in captivity
- Purifying and detoxifying

Administration

- Dosage through feeding
- 1 table spoon (15 ml) per 1 kg food, 3 times a week
- Best to be combined with **MULTI-VITAMIN**

Presentation

- Fluid in bottles of 250 ml and 500 ml
- Double neck dispensing bottles with measuring chamber in ml

Hepato-Chol



Supplement to support the metabolism and molting

HEPATO-CHOL contains essential amino acids, vitamins, sorbitol and natural plant extracts. The liver is an organ where various metabolic processes take place.

There are many substances stored here as a reserve, but also a number of waste excreted. In severe hepatic impairment, the body will pollute itself, which is very serious and can even have fatal consequences.

Purpose

- Improves the function of the metabolic rate
- Helps the excretion of waste
- Improves the process of growth and muscle development
- Prevents a shortage of essential amino acids
- Important supplement during the molting
- Very useful for birds that get additional dyes

Administration

- Dosage: through drinking water
- 10 ml / 1 liter, best 2 times a week
- Shake before use as it contains plant extracts and may show a light-fledged sediment. This has no influence on the efficiency of the product.

Presentation

- Fluid in bottles of 250 ml and 500 ml
- Double neck dispensing bottles with measuring chamber in ml

Multi-Vitamin



MULTI-VITAMIN contains all necessary vitamins and oligo-elements that are required to support labor-intensive activity.

Vitamins fulfill vital functions inside the body. The body itself cannot produce most of these vitamins so they have to be supplied through the feeding process. Deficits cause the emerge of various diseases. Vitamins have a specific effect on the metabolism of the body and provide an increase of resistance.

It also contains *essential amino acids*, necessary for good muscle development and the support of various organ functions.

Other ingredients are *vegetable fibers* that guarantee a balanced digestion.

Purpose

- Ensure top condition
- To fully optimize growth of young animals
- Ensure a solid development of the bones
- Increase resistance during stress periods such as contests and transportation
- Extra help during the molting and breeding

Administration

- Dosage: only through the food
- Mix 3 scoops (ca 15 g) / 1 kg nutrition, 3 times a week
- Is best combined with **HEALTH-OIL**

Presentation

- Powder in packages of 250 g and 900 g
- Including measuring spoon

Mycosol



Aromatics are metabolites of a higher plant species which convert their energy using photons that are taken and inverted, through an enzymatic process, from the sun. *Essential oils* are volatile oils with a complex composition, distilled from plants. All components consist of hundreds of different and unique chemical connections. They contribute in a specific way to the therapeutical performance of the oil.

MYCOSOL contains a selection of aromatics and essential oils that have a positive impact on health, including *Oregano Vulgaris* and some thyme chemotypes, with a pronounced activity against many problems and asthenia.

Purpose

- To naturally strengthen health
- To support immunity
- To keep a natural balance of the intestinal flora
- To obtain a soothing effect on the airways
- Support during recovery time
- Recommended during an antibiotic-free breeding

Administration

- Dosage through feeding: 10 ml / 1 kg of nutrition
- Dosage through drinking water: 5 ml / 1 liter of drinking water

Presentation

- Fluid in bottles of 250 ml and 500 ml
- Double neck dispensing bottles with measuring chamber in ml

The formula is suitable for long term use because of the presence of propolis and essential oils.

Vigo-Carnitine



VIGO-CARNITINE contains L-Carnitine, Magnesium, Choline, Inositol and natural plant extracts.

Carnitine is responsible for the transportation of amino acids to the mitochondria, which are described as the “powerhouses of the cell”. They play an important role in the energy production of the body. Furthermore, Carnitine is an antioxidant and has a protective effect on the heart and blood vessels.

Magnesium is essential for many enzymatic reactions in the body and plays a very important role in energy production, both aerobic and anaerobic.

The *plant extracts* provide a therapeutical performance for several organic functions.

Purpose

- Gives more energy and improves general condition
- Muscle enhancing and stimulates the appetite
- Supports the metabolism
- Tackles fattening in the preparation of the breeding season
- Against fatigue and exhaustion due to stress

Administration

- Dosage through drinking water:
- 1 coffee spoon (5 ml) / 1 liter, during sports: minimum 2 times a week
- Shake before use

Presentation

- Fluid in bottles of 250 ml and 1 liter

Vit-AZ-min



VIT-AZ-MIN is a food supplement based on vitamins, amino acids and minerals. It contains a huge amount of seaweed and is lengthened with an extra source of calcium. A shortage of minerals and spore elements could mean a less optimal growth process. This can result into a weak immune system. Seaweed consists out of more than 60 minerals and spore elements that each have their own function to keep the body in good health.

When it comes to young birds, a good source of calcium is essential. It is also important for a smooth oviposition.

This product can be used all year long and is very useful during the period of breeding.

Purpose

- Stimulate growth of young animals
- To guarantee a firm development of the bone
- To obtain a beautiful expression of colors of the feathering
- Supplying the right source of calcium in order to smoothen oviposition
- To improve the immune system
- For raptors: to prevent a shortage of calcium in the regular food and avoid an excess of phosphorus

Administration

- Dosage through feeding: 3 full scoops (ca 20 g) / 1 kg of soft food
- For raptors: minimum 2 times a week topdressing over food

Presentation

- Powder in packages of 250 g and 1 kg
- Including measuring spoon

Vitamin KADRIE



Vitamin KADRIE contains all fat soluble vitamins: Vit A, Vit D3, Vit E and Vit K.

When preparing the breeding season, most of the birds eat little egg food. They get a scarce basic diet of seeds and grains with a deficiency of these vitamins.

The intention is to do a supplementation through drinking water twice a week. This will optimize the breeding results, the fertilization in particular.

Purpose

- Stimulates fertilization and a good oviposition
- Compensates an unbalanced diet
- Essential for mutations who cannot produce their own vitamin A
- Partly replaces the shortage of UV and the natural sunlight
- Ensures good bone formation
- To preserve a balance in the mucous membranes of the airways and digestive system

Administration

- Dosage through the drinking water:
- 1 coffee spoon (5 ml) per 1 liter water, 1 or 2 times a week

Presentation

- Fluid in bottles of 250 ml and 1 liter

Technical data



Amino-Fort

Supplementary food for birds and pigeons

Composition: soy proteins, magnesium oxide.

Guarantees: crude protein 83%, crude fat 3%, crude fiber 0,1%, ash 2,8%, sodium 0,5%, lysine 8%, methionine 22%.

Electrolytes

Supplementary food for pigeons

Composition: glucose, sodium chloride, sodium bicarbonate, potassium chloride.

Guarantees: crude protein 0%, crude fat 0%, crude fiber 0%, ash 20%, sodium 7,5%, lysine 0%, methionine 0%.

Health-Oil

Supplementary food for pigeons

Composition: vegetable oils (sunflower, wheat germ, garlic), fish oil.

Additives: vitamins and provitamins per liter: vitamin A (3a672b) 285.000 I.U., Vitamin D3 (E671) 38. 000 I.U., Vitamin E (3a700) 95 mg.

Aromatic substances.

Guarantees: crude protein 0%, crude fat 90%, crude fiber 0%, ash 0%, methionine 0%, lysine 0%, sodium 0%.

Hepato-Chol

Supplementary food for birds and pigeons

Composition: sodium acetate, potassium chloride, calcium chloride dihydrate.

Additives: pro-vitamins and vitamins per liter: vitamin B1 (3a820) 89 mg, vitamin B2 29 mg, niacinamide (3a315) 1.500 mg, D-panthenol (3a842) 50 mg, Vitamin B6 (3a831) 80 mg, vitamin B12 20 mg, choline chloride (3a890) 115 000 mg.

Guarantees: crude protein 0%, crude fat 0%, crude fiber 0%, ash 0,4%, sodium 0,04%, lysine < 0,01%, methionine 1%, humidity 50%.

Multi-Vitamin

Supplementary food for pigeons

Composition: soy protein concentrate, glucose, fruit pulp, calcium salt of palm oil, manno-oligosaccharides and beta-glucan, sodium chloride, maltodextrines, potato starch, psyllium husk, potassium chloride, mono-sodium phosphate, magnesium oxide, magnesium chloride.

Additives: Trace elements per kg: iron chelate of amino acids - iron (E1) 2.000 mg, zinc chelate of amino acids - zinc (E6) 830 mg, copper chelate of amino acids - copper (E4) 290 mg, manganese chelate of amino acids - manganese (E5) 460 mg, calcium iodate - iodine (3b202) 70 mg, inactive yeast - selenite (3b811) 13 mg.

Vitamins and provitamins per kg: vitamin A (3a672a) 300.000 I.U., vitamin D3 (E671) 30.000 I.U., vitamin E (3a700) 650 mg, vitamin K3 (3a710) 100 mg, vitamin B1 (3a820) 680 mg, vitamin B2 480 mg, niacinamide (3a315) 1.000 mg, D-calcium pantothenate (3a841) 1.080 mg, vitamin B6 (3a831) 550 mg, folic acid (3a316) 33 mg, vitamin B12 1,30 mg, vitamin C (3a300) 10.000 mg, biotin (3a880) 6 mg.

Guarantees: crude protein 25%, crude fat 12%, crude fiber 2,8%, ash 8%, sodium 1,5%, lysine 1,2%, methionine 0,3%.

Mycosol

Supplementary food for birds and pigeons

Composition: sodium chloride, magnesium chloride.

Additives: aromatic substances.

Guarantees: crude protein 0% crude fat 0%, crude fiber 0%, ash 0,1%, methionine 0%, lysine 0%, sodium 0,02%, humidity 25%.

Vigo-Carnitine

Supplementary food for birds and pigeons

Composition: magnesium L-aspartate, magnesium chloride, inositol.

Additives: vitamins and provitamins per liter: L-carnitine (3a910) 8.000 mg, choline chloride (3a890) 22.500 mg.

Guarantees: crude protein 0%, crude fat 0%, crude fiber 0%, ash 1%, methionine 0%, lysine 0%, sodium 0,05%, humidity 85%.

Vit-AZ-min

Supplementary food for birds and pigeons

Composition: glucose, calcium phosphate, algae, soy protein concentrate.

Additives: vitamins and provitamins per kg: vitamin A (3a672a) 400.000 IU, vitamin D3 (E671) 40.000 IU, vitamin E (3a700) 800 mg, vitamin K3 (3a710) 120 mg, vitamin B1 (3a820) 820 mg, vitamin B2 580 mg, niacinamide (3a315) 1.200 mg, calcium D-pantothenate (3a841) 1.200 mg, vitamin B6 (3a831) 650 mg, folic acid (3a316) 40 mg, vitamin B12 1,60 mg, vitamin C (3a300) 12.000 mg, biotin (3a880) 8 mg.

Guarantees: crude protein 6%, crude fat 0,5%, crude fiber 1,5%, ash 22%, sodium 1%, lysine 0,3%, methionine 0,2%.

Vitamin KADRIE

Supplementary food for birds and pigeons

Composition: sodium chloride, magnesium chloride.v

Additives: vitamins and provitamins per liter: vitamin A (3a672b) 600.000 I.U., vitamin D3 (E671) 300.000 I.U., vitamin E (3a700) 3.240 mg, menadione sodium metabisulphite (3a710) 2.000 mg, vitamin B12 10 mg, vitamin C (3a300) 10.000 mg.

Guarantees: crude protein 0% crude fat 0%, crude fiber 0%, ash 0,1%, methionine 0%, lysine 0%, sodium 0,01%, humidity 97%.

printed by

hellinx
www.hellinx.be **printing**



R.P. Dr. Peter Coutteel
For the health of your birds!

Dorsel 40 – 2560 Nijlen – Belgium
info@coutteel.be and www.coutteel.be