



Dr. Coutteel

For the health of your birds!

**Guide to successful
breeding!**

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Introduction



Dr Peter Coutteel graduated in 1983 at the State University of Ghent. Since his early childhood he has had a special interest in birds.

Attending conferences around the world, have ensured that his expertise is not limited to the most common bird species, but covers a very wide range. A number of scientific publications have resulted from his extensive knowledge and experience.

In 2000, he founded the *Trigenio Veterinary Centre* in Nijlen, where he worked exclusively as an avian veterinarian for 20 years. He now devotes himself entirely to his business, *Dr Coutteel Company*, and is a consultant for the development of avian medicines within the *Pantex-Coutteel* joint venture.

Through lectures and seminars, he tries to help fanciers get the most out of their hobby. In fact, one of his main motivations is to guide the breeder and demonstrate the importance of a positive working relationship between breeder and vet.

Captive birds require the breeder to imitate their natural biotope in both nutrition and housing... and in all its aspects.

This is the philosophy that lies behind this range of products.

Good luck!



Dr. Peter Coutteel
info@coutteel.be
www.coutteel.be

Breeding scheme 1

Birds

- Selection of healthy breeding birds.
- Medical examination: physical, faeces analysis, crop swab.
- Possible preventive treatments:
 - Coccidiosis
 - Bengalese finches disease
 - Worms
 - Ectoparasites (control of bloodsucking mites via drinking water)
- Cut long nails and check length of beak.
- Trimming of feathers around the cloaca of heavily feathered birds.
- Ointment for scales on legs (*Bird Pedicure*).



Breeding Room

- Thoroughly clean and disinfect with an effective disinfectant before placing the birds in the breeding cage.
- Also disinfect food and drinking bowls, nests, perches and nesting material.
- Avoid loose perches and provide a floor that is easy to clean.
- Use lamps with a UV spectrum and avoid flickering (HF ballast).
- Light manipulation with dimmer. Start with 12h daylight length and increase by 30 minutes per week and start breeding at 14 to 15 hours.
- Increase to a minimum recommended temperature, respecting day/night rhythm. Avoid excessive fluctuations in temperature.
- Prevention of external parasites through environmental spray.

Preparation of the breeding

It is important to work through the drinking water as not much soft food is consumed during preparation. It is best to start with the **“Golden Weekend Trio” (*)** 6 to 8 weeks before the start of breeding.

Supplements via drinking water

- **VIGO-CARNITINE* (Friday)**
 - Muscle strengthening and general condition.
 - Tackles fattening to improve copulation and fertilisation.
- **HEPATO-CHOL* (Saturday)**
 - Improves liver function and metabolism.
 - Contains amino acids, sorbitol and plant extracts.
- **VITAMIN KADRIE* (Sunday)**
 - Replaces lack of UV through natural sunlight.
 - Stimulates fertilisation.
 - Replenishes deficiency of vitamins A, D3, E and K in unbalanced diet.
- **MYCOSOL (Optional on weekdays)**
 - Supporting the immune system through aromatherapy.
 - Soothing effect on airways.
- **CALCIUM D3 (Optional twice a week)**
 - Prevents egg binding problems.
 - Ensures good shell formation.

Supplements via soft food

- **VIT-AZ-MIN (2 to 3 times a week)**
 - Unique source of amino acids, minerals and trace elements.
 - Contains calcium, seaweed and spirulina.
- **AMINO-FORT (Saturday)**
 - Contains important essential amino acids.
 - Replaces other sources of protein.
- **MULTIVITAMIN and HEALT-OIL (Optional twice a week)**
 - Contains all necessary vitamins for daily addition to homemade soft food.
 - Increases immunity and provides extra energy.

Birds

- Collect eggs, check fertilisation.
- Ring young birds and keep good records.
- Provide sufficient soft food and refresh several times a day.
- Meet the high demand for energy.
- Control coccidiosis and atoxoplasmosis.
- Tackle problems and diseases in a time (Flagellates and nest mortality).
- Consult an avian veterinarian if necessary.



Breeding Room

- Climate control breeding room:
 - Avoid extreme temperatures
 - Ensure proper ventilation
 - Provide mosquito nets
 - Take measures for rodents
- Disinfect breeding cages, nest and nesting material.
- Prevention of ectoparasites with environmental spray or locally in the nests.
- Disinfect food and drinking bowls regularly.
- Separate young birds in time or use baby cages.

Breeding birds consume large amounts of soft food when rearing young. Fast growing birds, canaries and heavily feathered birds need a perfect diet to meet their high demands.

It is therefore best to add certain supplements.

Supplements via drinking water

- **HEPATO-CHOL (Saturday)**
 - Improves digestion and metabolism.
 - Removes waste products and excess dyes from the liver.
- **VITAMIN KADRIE (Sunday)**
 - Stimulates fertilisation.
 - Ensures good growth and egg laying.
- **CALCIUM D3 (Optional twice a week)**
 - Provides good shell formation.
 - Guarantees strong bone development.
 - Prevents egg laying problems.

Supplements via soft food

- **VIT-AZ-MIN (3 times a week)**
 - Unique source of amino acids, minerals and trace elements.
 - Contains calcium, seaweed and spirulina.
- **AMINO-FORT (3 times a week)**
 - Contains important essential amino acids for rapid growth and development.
 - Indispensable for type canaries and heavily feathered birds.
- **HERBAL MIX (Optional daily)**
 - Promotes health in a natural way.
 - Supports the liver and helps digestion.
 - Increases resistance to diseases.

Birds

- Separate young and adult birds.
- House in small groups and avoid overcrowding.
- Preventive treatments:
 - Pox vaccination
 - Coccidiosis
 - Worms
- Control of airways and wet eyes.
- Control of digestion (Megabacteria).
- Provide bathing water.
- Prepare for rest period or exhibition season.



Breeding Room

- Climate control breeding room:
 - Respect the natural shortening of daylight length
 - Avoid excessively high temperatures
 - Ensure proper ventilation
- Reduce amount of soft food.
- Switch to a seed mixture suitable for moulting and resting.
- Maintain a strict hygiene.

During this period, avoid heavy food and reduce the amount of soft food considerably. During moulting, a bird replaces its entire plumage which corresponds to about 15% of its body weight. This requires sufficient building blocks.

Supplements via drinking water

- **VIGO-CARNITINE (Friday)**
 - General condition.
 - Muscle strengthening.
- **HEPATO-CHOL (Saturday and Sunday)**
 - Improves liver function and metabolism.
 - Contains amino acids and helps moulting.
- **BIO ENERGY BOOSTER (If required)**
 - Probiotics optimise intestinal flora.
 - Strengthens the immune system before and after exhibitions.
 - After any antibiotic treatment.
- **MYCOSOL (Optional on weekdays)**
 - Supports the immune system through aromatherapy.
 - Soothing effect on airways.
- **CALCIUM D3 (Optional once a week)**
 - Builds a usable calcium reserve.
 - Maintains strong bones.

Supplements via soft food

- **VIT-AZ-MIN (Twice a week)**
 - Unique source of amino acids, minerals and trace elements.
 - Contains calcium, seaweed and spirulina.
- **AMINO-FORT (Twice a week)**
 - Contains essential amino acids for building up feathers.
 - Replaces other protein sources.
- **HERBAL MIX (Daily)**
 - Promotes health in a natural way.
 - Supports the liver and helps digestion.
 - Increases resistance to disease.
- **MULTIVITAMIN and HEALT-OIL (Optional twice a week)**
 - Contains all necessary vitamins for daily addition to homemade soft food.

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 in order to be able to compose proteins. Some of these building blocks the body can produce them on its own, others must be obtained through dietary means, these we call “essential amino acids”.

Purpose

- To prevent a shortage of essential amino acids.
- To boost growth and muscle development.
- Significantly helps the moulting process.
- Indispensable for heavily feathered breeds.
- To replace other protein sources.

Administration

- Dosage through feeding.
- Mix 5 to 8 scoops (ca 20 to 30 g) per kg soft food or grain mixture.
- Not soluble in water.
- Can be used on a daily basis during breeding and moulting.

Presentation

- Powder in packages of 200 g and 1 kg.
- Including measuring spoon of 4 g.

Bio Energy Booster



Electrolytes and probiotics

BIO ENERGY BOOSTER comprises a combination of electrolytes and carefully selected probiotics. This specially developed formula is designed to help boost energy and resist stress. The composition also contains extra vitamin C. Electrolytes are essential salts in the body. They are necessary for maintaining fluid balance and must be supplemented after particular physical effort. The probiotics *Bacillus Velezensis* and *Pediococcus Acidilactici* inhibit the growth of microbial pathogens, including bacteria, fungi and nematodes. *Pediococcus Acidilactici* also produces lactic acid, which facilitates the absorption of calcium, iron and other nutrients.

Purpose

- Strengthening the immune system.
- Fast recovery after heavy exercise and transport.
- Before and after exhibitions.
- When recovering from illness to optimise intestinal flora.
- After antibiotic treatment.

Administration

- Dissolve two measuring spoons (10 g) of powder in one litre of drinking water.
- Administer several days before and after efforts, such as exhibition, purchase, transport.
- For weakened birds and those recovering from illness or drug treatment, give daily for one week.

Presentation

- Powder in package 500 g.
- Including measuring spoon of 5 g.

Calcium D3



Water soluble calcium with Vitamin D3

CALCIUM D3 provides a highly absorbable source of calcium and the necessary vitamin D3 to ensure absorption.

Calcium is not only crucial for bone development and the formation of eggshells. It also plays an essential role in transmitting nerve impulses and blood clotting.

Calcium deficiency is common in birds because seeds and grains are inferior in this mineral. Growth problems and possibly bone deformities can result in young birds.

In adult birds, deficiency is more likely to appear in egg-laying problems, eggshell abnormalities and brittle bones. Convulsions may also occur if fed an unbalanced diet.

Purpose

- Ensures strong bone development.
- Provides good shell formation and smooth egg-laying.
- Prevents egg-binding.
- Promotes proper muscle functioning, essential for competition.
- Supports the nervous system.

Administration

- Mix 10 ml into one litre of drinking water.
- In preparation and during breeding: twice a week.
- During moulting: once a week.

Presentation

- Liquid in bottle of 500 ml.
- Including measuring cap.

Health-Oil



Essential natural oils

By providing **HEALTH-OIL**, the resistance is stimulated in a natural way, which can reduce the use of antibiotics.

Oils are a major energy source, which the body can appeal to as a reserve.

Purpose

- To increase resistance.
- To guarantee stress resistance.
- To create a fuel reserve for muscle activity.
- To stimulate fertilization (wheat germ oil).
- Purifying.

Administration

- Dosage through feeding.
- Mix 15 ml per kg food, 2 to 3 times a week.
- Best to be combined with **MULTIVITAMIN**.

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 moulting

HEPATO-CHOL contains essential amino acids, vitamins, sorbitol and natural plant extracts.

The liver is an organ where various metabolic processes take place. Here a lot of substances are stored as a reserve, but also a number of wastes are excreted.

Purpose

- To improve the function of metabolism.
- To help the excretion of waste.
- To prevent a shortage of essential amino acids.
- Important supplement during moulting.
- Very useful for birds that get additional dyes.

Administration

- Dosage through drinking water.
- Mix 10 ml per litre of drinking water, best twice a week.
- Shake before use. Contains plant extracts that can settle, without affecting the functioning of the product.

Presentation

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

Herbal Mix



Blend of Natural Herbs

Herbal Mix contains oregano, milk thistle, dandelion and mint, some essential B vitamins and amino acids.

Oregano's medicinal properties come from its essential oils: the substances carvacrol and thymol act against fungi, bacteria and viruses. Oregano is also rich in antioxidants, including vitamins C and E.

Milk Thistle is an excellent liver herb. It protects the liver and gallbladder from toxins and other harmful influences. Dandelion is also used to detoxify the liver and kidneys.

Mint has an expectorant effect, calms birds and reduces stress. It stimulates the production of digestive enzymes to help digest food.

Purpose

- Promotes health in a natural way.
- Supports the liver and metabolism.
- Helps digest the food.
- Increases resistance to diseases.
- Ensures calm birds.

Administration

- To be mixed among soft food.
- Mix four measuring spoons (= 20 g) of Herbal Mix with one kg of soft food.
- To ensure the resistance of birds during breeding and to keep immunity high during the moulting process, it is best to administer daily. After breeding, twice a week is sufficient.

Presentation

- Powder in package of 500 g.
- Including measuring spoon of 5 g.

Multivitamin



Composition of essential vitamins and trace elements

Vitamins fulfill vital functions in the body. Most vitamins cannot be produced in the body and must be supplied through the diet. Deficits cause the emerge of various diseases.

MULTIVITAMIN also contains *essential amino acids*, needed for good muscle development.

Purpose

- To support various organ functions.
- To promote the growth of young animals up to the maximum.
- Optimal supplement to complement self-made soft food.
- To increase resistance during stress periods.
- Extra help during moulting and breeding.

Administration

- Dosage only through feeding.
- Mix 3 scoops (ca 15 g) per kg food, 2 to 3 times a week.
- Is best combined with **HEALTH-OIL**.

Presentation

- Powder in package of 250 g.
- Including measuring spoon of 5 g.

Mycosol



Selection of aromatics and essential oils

MYCOSOL contains a selection of aromatics and essential oils that have a positive effect on health, including *Oregano vulgaris* and some thyme chemotypes, with a pronounced effect against a lot of problems and body weakness.

Purpose

- To strengthen health in a natural way.
- To support immunity.
- To keep a natural balance of the intestinal flora.
- To obtain a soothing effect on the airways.
- Support during recovery time.

Administration

- Dosage through feeding: 10 ml per kg food.
- Dosage through drinking water: 3 to 5 ml per litre of drinking water.
- Administer daily if necessary.

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



Composition based on L-carnitine, Choline, and natural plant extracts

Carnitine plays an important role in the energy production of the body. Furthermore, it is also a protective antioxidant and promotes the flow.

The *plant extracts* ensure a better functioning of various organ functions.

Purpose

- To tackle fattening.
- To improve copulation and ensure better fertilisation.
- To strengthen muscles and to promote a healthy appetite.
- To give more energy and improve overall condition.
- To protect against fatigue and exhaustion due to stress.

Administration

- Dosage through drinking water: 5 ml per litre drinking water.
- During sports: minimum twice a week.
- May be administered daily, if necessary.

Presentation

- Fluid in bottles of 250 ml and 1 litre.
- Including measuring cap.

Vit-AZ-min



Source of vitamins, amino acids, minerals and extra calcium

VIT-AZ-MIN is rich in seaweed and is supplemented with an extra source of calcium.

Seaweed contains more than 60 minerals and trace elements. Each has a role to play in keeping the body healthy.

Purpose

- To promote the growth of young animals.
- To ensure a sturdy bone development.
- To obtain a beautiful colour expression of the feathering.
- To provide the right calcium source for a smooth oviposition and a solid scale.
- For raptors: to prevent calcium deficiency in the diet.

Administration

- Dosage through feeding: 4 full scoops (ca 20 g) per kg soft food.
- For raptors: minimum twice a week topdressing over food.
- This product can be administered all year long.

Presentation

- Powder in packages of 250 g and 1 kg.
- Including measuring spoon of 5 g.

Vitamin KADRIE



Combination of the 4 fat-soluble vitamins:
vitamin A, vitamin D3, vitamin E and vitamin K

In the preparation of the breeding season and in a scarce basic diet of seeds/cereals, there are often shortages of these vitamins resulting in poor breeding results.

Purpose

- To stimulate fertilization and a good oviposition.
- To compensate an unbalanced diet.
- Essential for mutations that cannot produce their own vitamin A.
- To partially replace the UV deficiency of natural sunlight.
- To ensure good bone formation.
- To maintain a balance in the mucous membranes of the respiratory tract.

Administration

- Dosage through the drinking water.
- Mix 5 ml per litre drinking water, once or twice a week.

Presentation

- Fluid in bottles of 250 ml and 1 litre..
- Including measuring cap.

Bird Pedicure



Ointment for scales on the legs

BIRD PEDICURE is an ointment for the treatment and removal of excess scales on the legs of birds. As birds get older, they tend to develop thicker scales on their legs and toes. This is what we call "hyperkeratosis".

Implications of hyperkeratosis

- Stiffness in the joints of the leg.
- Less smooth movement, unstable posture.
- Bad fertilisation due to balance problems during copulation.
- Bleeding from pecking and biting on these scales.
- Constriction of the ring with possible loss of some toes.

Administration

- Rub every two days with a soft massage until the the desired result is obtained.

Presentation

- 8 g tube of liquid ointment for external use.

Follow us on our website

On our informative website www.coutteel.be you will find all the technical data relating to our products.

This website is trilingual (NL-FR-EN). It also contains additional information that may be of interest to many bird lovers.

You will also find a number of articles that have been published in bird magazines as well as links to the distributors or web shops where our products are sold.

The events we organise and the exhibitions we attend are also published on our website.



Notes



R.E. Dr. Peter Coutteel
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α BE103424
info@coutteel.be and www.coutteel.be