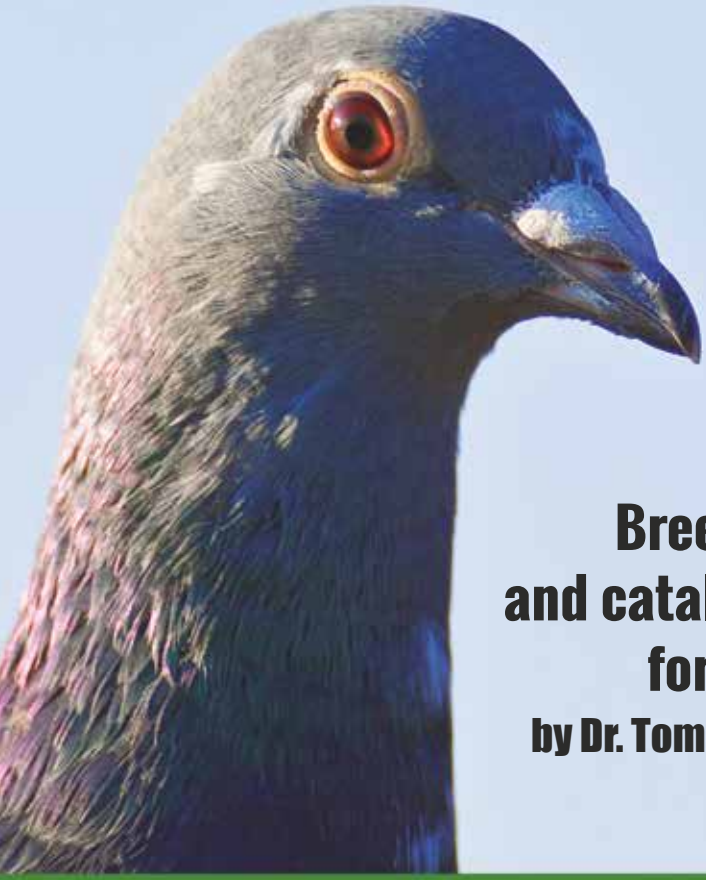
AVIMEDICA

HEALTH WITH FLYING COLOURS



Breeder guide and catalog of products for pigeons

by Dr. Tomasz Stenzel recipe

Made in EU

Avimedica, ul. Hanowskiego 9 lok 56 10-686 Olsztyn, Poland

www.avimedica.eu; **e-mail:** avimedica@avimedica.pl, orders@avimedica.eu

Veterinary Identification Number: PL 2862030p

AVIMEDICA

HEALTH WITH FLYING COLOURS

New, high quality complete line of natural products for keeping pigeons in perfect health during the whole year!

JOIN THE GROUP
OF SATISFIED CLIENTS!

Avibio	contains live bacterial cultures
Avipul	cleans the respiratory tract
Avical	supports eggshell and bones building
Avifungal	supports fungosis tratment
Avipen	supports moulting
[illegible]	supports a diarrhea treatment
Avilivo	improves activity of liver and kidneys
AviRon	supports the immune system against viral infections
Avilyte	electrolites + aminoacids + vitamines + glucose
Avicart	supports protection of articular cartilage
Aviferr	supports red blood cells building
Avibooster	increases the efficiency of flight
[illegible]	supports the eradication of coccidia and trichomonads
Avi[illegible]	an energetic build up for pre race
Avi[illegible]	quick recovery post race
Avicid	acidifier with herbs
Avi[illegible]	immunostimulator
[illegible]	supports the eradication of intestinal parasites
Avioil	Ω-3, Ω-6 acids and lecitine
Avipower	the energy for the race

www.avimedica.eu

1. Introduction

Avimedica is one of the most preferred by breeders brands of supplements for pigeons . The company has been present on the European market since 2009.

In the beginning **Avimedica** dealt with the broad diagnosis of pigeons diseases, their prevention and treatment. Our aim was always to minimize the use of chemotherapeutics during treatment and in the prophylaxis. Unfortunately, most of the pigeons during their lives take far too many chemical drugs, often without any specific need, which is more harmful than helpful in keeping them in good shape. In our prevention programs for pigeons we have always used the largest amount of natural preparations. Knowledge of the practical side of the most common problems faced by the breeders of pigeons resulted in the development of original recipes thanks to which a **complete line of natural preparations Avimedica was created**.

Avimedica products are balanced specifically for pigeons and terms of use in particular season of the year. We offer a wide choice of products. Among them breeders will find universal preparations, supporting treatment of infectious and invasive diseases, supporting the internal organs and specialized for racing and fancy pigeons. Our products are created with only high-quality natural ingredients and their manufacturing process is carried out under the supervision of the State Veterinary Inspection, so breeders can be sure that our preparations are of the highest quality. Besides that, thanks to the cooperation with numerous breeders and the use of **Avimedica** supplements in own flock of pigeons, we are sure that we give breeders safe preparations, not causing side effects, but most of all effective.

Avimedica is a combination of passion, knowledge and enthusiasm thanks to which every year the breeders receive new product lines dedicated for their pigeons so they were in even better shape , and every contests always ended in success ! We invite you to get familiar with our offer, because certainly every breeder will find something for himself!

Dr. Tomasz Stenzel, DVM, PhD

2. Product description

2.1. Products for successful breeding for the whole year

AviFerr

Supports red blood cells building

Properties and effect:

- Supports stimulation of circulatory system for synthesis of hemoglobin
- Increases share of red blood cells and positively influences gas exchange in the lung as well as better blood oxidation.
- Supports stimulation of energetic processes, fat and carbohydrates metabolism as well as protein synthesis,
- Positively influences the development of nestlings.

Indications:

- as a support for the pigeons' organisms during racing season and winter trainings,
- as a immune booster during infectious diseases, given together with **AviMune**.

Dosage:

During the racing season: 2,5-3ml/ 1L of water in half of the racing week . Product should be given every fortnight. **During breeding season:** 4ml/ 1L of water 2 times a week. **During the moulting:** 2,5ml/ 1L of water once a week.

Product composition:

vit. B12, vit. B1, vit. B2, vit. B3, vit. B5, vit. B9, vit. K3, vit. H, L-lisyne, L-karnitine, Ferrum, Manganum, Cobaltum, Cuprum, sorbitole, glucose.

AviFungal

Supports fungosis treatment

Properties and effect: **AviFungal** is a preparation supporting fungosis treatment:

- iodine, natural herb extracts have antiphlogistic and antiseptic effect,
- *Calendula officinalis* extract appeases mycotoxins effect in the liver
- vitamin A hastens regeneration of damaged epithelium,
- sorbitol is an additional source of energy for weakened birds
- usage protectively during antibiotic therapy minimizes the risk of gastrointestinal mycosis.

Indications:

- Adjunct during fungal digestive tract infections treatment caused by *Candida* and *Aspergillus*.
- After the antibiotic treatment as a prevention of "after drug" fungosis.
- Adjunct in respiratory tract treatment together with **AviPul**.
- During rearing of nestlings and during the moulting for stimulation of the thyroid gland.

Dosage:

Digestive tract fungosis treatment: 2ml/ 1L of water for 7 days. **As a prophylaxis of *Candida spp.* infections:** 2,5ml/ 1L of water 3 times a week. **As a protective agent during the antibiotic therapy:** 2ml/1L of water and for next 4 days after the antibiotic therapy. **In moulting season:** 2ml/1L of water 3 times a week.

Product composition:

herbal extract (*Achillea millefolium, Betula pendula, Calendula officinalis, Cinnamonum Sheffer, Rosmarinus officinalis, Tilia cordata*), Vit. A, I (potassium iodine), Cu (cuprum sulfate), citric acid, sorbitol, propylenic glycol.

AviPul

Cleans the respiratory tract

Properties and effect:

- Plant extracts included in the product have expectorant, antibacterial, antiphlogistic effect,
- supports treatment of respiratory tract infections,
- vitamin A supports the respiratory mucosa regeneration,
- vitamin C affects immune processes of the organism
- essential oils of peppermint and eucalyptus unblock the nasal passages and sooths digestive system,
- during hot days AviPul supports airways protection from excessive dryness,
- during hard race, the preparation prevents mucus in the mouth bow from drying as well it prevents from formation of white--yellow raids in it.

Indications:

- As a suppurative agent in antibiotical treatment of respiratory tract infections (infectious coryza, mycoplasmosis, ornithosis).
- Facilitates coughing up discharge from respiratory system.
- Supports cleaning the respiratory tract after the winter period,
- during the high temperatures and for cleaning respiratory tract during the racing season.

Dosage:

During racing season: 2ml/1L of water or kg of feed on the second day after the race (evening) and a day before the race. **During heatwave:** 2ml/ 20 pigeons with feed and as a fog in the loft in dose 20ml/1L of warm water. Fogging the lofts can be done also on the return from race day. **As a suppurative agent during antibiotics treatment of respiratory tract infections:** 2.5ml/ 1L with AviFungal during entire antibiotic therapy. **Cleaning respiratory tract after the winter:** 2ml/1l 3 times a week.

Product composition:

herbs extract (*Althaea officinalis, Pimpinella anisum, Pinus sylvestris, Plantago lanceolata, Thymus vulgaris, Tussiflago farfara*), eucalyptus essential oil, mentha piperitea essential oil, vit. A (retinol), vit. C.

AviLiv

Improves activity of liver and kidneys

Properties and effect:

- Stabilizes liver and kidneys cells, especially in viral diseases,
- Stimulates the activity of liver (organism detoxification, metabolism of amino acids, glycogen storage, digestive function - bile secretion), accelerates its regeneration,
- Vitamin C protects the liver,
- Herbal extracts have a diuretic and antiphlogistic effect, which supports detoxification of blood and improves function of kidneys in the poisoning and viral diseases,
- Sorbitol is an additional source of energy for ill birds and stimulates the flow of bile in the liver.

Indications:

- Adjunct treatment in viral and bacterial infections,
- protectively during the treatment with antibiotics,
- as a detoxication after the drugs overdose,
- adjunct agent during moulting, racing season in the post racing recovery,
- during the clearing organism after winter and feeding the youngsters,
- the product may be used as a carrier for **AviMune**, **AviRegener** or other powder products supplied with feed.

Dosage:

Supporting treatment during the bacterial and viral infections: 5ml/1 kg of feed together with **AviMune** for min. 5-7 days. **As a supporting agent during intoxications (also caused by drug overdose):** 4ml/ 1 kg of food or 3 ml/ 1L of water. **During the moulting and rearing:** 4ml/ 1 kg of feed 2-3 times a week. **During the racing season**: 4ml/ 1 kg of feed during the after race recovery with **AviRegener**. **Clearing organism after winter:** 3-5ml/ 1 kg of food for 5 days.

Product composition:

herbal extract (*Arctium lappa, Centaurea cyanus, Chelidonium majus, Cynara scolymus, Peumus boldus, Sylibum marianum, Tanaxacum officinale*), L-Lisyne, L- carnitine, Vit C (ascorbic acid), choline chloride, citric acid, sorbitol, propylenic glycole.

AVIMEDICA
HEALTH WITH FLYING COLOURS

AviPro

Contains live bacterial cultures

Properties and effect:

- The positive effect of probiotic bacteria results from the production of organic acids (lactic acid, acetic acid) and the natural bacteriostatic (acidofilin, nisin), which together with the reduced pH of the gastrointestinal tract creates unfavorable conditions for pathogens such as *E. coli, Salmonella typhimurium and Clostridium sp.*
- Moreover, probiotics restore the homeostasis of the gastrointestinal tract, preventing excessive growth of fungi, stimulate entrails peristalsis, improve absorption of calcium and other minerals, fats and provide B group vitamins and vitamin K.

Indications:

- After antibiotic therapy to restore intestinal balance.
- Supportively during diarrheal diseases together with the mixing **AviCid**.
- During the hatching in order to populate the gastrointestinal tract of nestlings with regular bacterial flora.
- During the racing season to strengthen the intestinal barrier, together with the mixing **AviMune**.

Dosage:
After antibiotic treatment: 1g/ 20 pigeons with water for 3 days. **During chicks hatch:** 1g/20 pigeons 3x a week. **During the racing season:** if an antibiotic was used 1 day after the antibiotic. **In other periods as prophylaxis:** 2x a week. **Caution!** For best results, first give **AviCid**, and the following day **AviPro**.

Product composition:
life lyophilyized bacterial cultures 10,24x10^{10}CFU/g: *Lactobacillus acidophilus* 5,12x10^{10}CFU/g , *Enterococcus faecium* 5,12x10^{9}CFU/g , *Lactobacillus casei* 3,58x10^{10}CFU/g, *Pediococcus acidilacti* 10,2x10^{9}CFU/g, dextrose, fructose (13.2.3).

AviPen *liquid*

Supports moulting process

Properties and effect:

- A precisely balanced feed designed for moulting season for pigeons of all breeds.
- The dimethylsulfone contained in the preparation is one of the best sources of organic sulfur.
- Exogenous amino acids (methionine) and organic sulfur are essential for the strong feather construction.
- High concentrations of micronutrients (including zinc), vitamins (including H and A), are essential in the production of skin products including feathers.
- Choline to improves liver function during moulting.

Indications:

- As a supplement to a basal feed during the moulting period and to the plumage of young birds.
- For better results, the preparation should be taken together with **AviOil** and **AviLiv** preparations.

Dosage:
During the moulting: 4 mL/ 1 L water or 5-6 mL/ 1 kg feed 3x a week. When administered with feed, **AviOil** should be used on different days than **AviPen liquid**.

Product composition:
dimethyl sulfone (MSM), DL-methionine, Zinc, choline chloride, vit. H, vit. B12, vit. B5, vit. B2, vit. C, vit. K3, vit. A, monopropylene glycol.

AviMune

Immunostimulator

Properties and effect: **AviMune** is a preparation stimulating increased immunity in pigeons:

- β- glucans stimulate immune cells of entrails epithelium (macrophage), for a higher activity.
- not only it stimulates the local immunity of alimentary canal (GALT), but also the systematic immunity, including the postvaccinal immunity,
- MOS binds to receptors on the surface of pathogenic bacteria and prevents from their colonization of intestine,
- allicin present in garlic and onions has bactericidal, fungicidal and virucidal effect,
- aminoacids are components for formation of specific antibodies, and the B vitamins are the catalysts for the reaction.

Indications:

- In prophylaxis of bacterial and viral infections of digestive tract (adeno-coli syndrome, paratyphoid, clostridiosis),
- in case of decreased immunity (circoviral infections, transport stress, exhibitions, racing, weaning the youngsters),
- as a supporative agent in bacterial and viral infections treatment during the vaccination period and rearing the nestlings.

Dosage:

Prophylaxis: 5g/ 1 kg of feed for 5-7 following days in the month. **As a supporative treatment during the bacterial and viral infections:** 5g/ 1 kg of feed during entire antibiotic treatment and for 3 following days after completing the treatment . **During breeding:** 10g/1 kg of food 3 times per week. **During vaccinations:** 5g/ 1 kg of feed for 10 days before the vaccination. Before adding the product, the feed should be moistened with **AviLiv**.

Product composition:

yeast extract (*Sacharomyces cervisiae*), powdered garlic, powdered onion, powdered anise, vit. E, vit. C, vit. K, wit. B1, wit. B2, wit, B3, wit. B5, wit. B9, wit. B12, choline chloride, L-lysine, citric acid. Added yeast extract contains 25% of β- glucans and 20% of MOS (Mannano-Oligo-Sacharides).

AviCal

Supports egg shell formation and bones structure

Properties and effect:

Mineral feed mixture for pigeons designed for reproduction season and rearing period of nestlings:

- Supports the creation of the females eggs with strong and hard shells,
- Contains a high concentration of vitamins, selenium, L - carnitine supporting activity of sperm,
- May have a positive effect on fertility of eggs,
- Enriched with animal protein isolate, constitutes source of amino acids transferred to ovalbumin and to nestlings during their feeding with crop milk and in later periods.

Indications:

- As a food supplement during the entire reproduction period,
- Especially indicated for over exploited breeding pigeons, whose eggs are passed to mums.
- During rearing nestlings, preparation may be given together with **AviOil**, **AviFerr**, **AviRegener** and **AviLiv** preparations.

Dosage:

Beginning of breeding: 8g/ 1 kg of feed 2-3 times a week. **Peak of the breeding season:** 10g/ 1 kg of food 2-3 times a week alternatively with **AviFerr**. Before adding the preparation, feed may be moisture with **AviOil**. The **AviCal** can be also administer in separate container, for birds' individual intake demand.

Product composition:

calcium carbonate, monocalcium phosphate, dried *Urtica dioica* , whey protein concentrate, maltodextrine, fructose, sodium chloride, dried *Arctium lappa* L. herb, *Silybum marianum* seeds, potassium chloride, vit. A, vit. D_3, vit. E, vit. K3, vit. B1, vit. B2, vit. B3, vit. B5, vit. B9, vit. C, choline chloride, L-lisyne, L-carnitine, methionine, cuprum sulphate , ferrum sulphate, cobaltum sulphate, zincum sulphate, sodium selenite.

AVIMEDICA
HEALTH WITH FLYING COLOURS

AviCid

Acidifier with herbs

Properties and effect:

- • Supports action against diarrhea.
- • Decreases pH level of gut content.
- • Limits the development of bacteria such as *Salmonella sp.*, *Enterococcus sp.*, *E.coli* oraz *Clostridium sp.*
- • Improves hygiene of potable water.
- • Included oregano, caraway, sage, cinnamon extracts whets pigeons' appetite and supports digestive process.

Indications:

- Prophylaxis of digestive tract diseases,
- prevention and control of pathogenic microorganisms development in water during hot weather,
- as a supportive agent during bacterial diseases with diarrhea,
- while changing the feeding,
- while weaning the youngsters,
- in case of appearance of heat stress.

Dosage:
Prophylaxis: 3ml/1L of water 3 times a week. **Supporative during illness with diarrhea:** 4ml/ 1L of water during antibiotic treatment and for the next 3 days after the treatment. **During rearing the youngsters:** 3ml/ 1L of water 2 times a week. **While changing the feeding:** 3ml/ 1L of water during 3 fallowing days.

Product composition:
formic acid, malic acid, propionic acid; Herbs essentials (*Carum carvi, Cinnamonum Sheffer, Juglans regia, Origanum vulgare, Pimpinella anisum, Salix alba, Salvia officinalis, Vaccinum myrtillus*). **ATTENTION! The product contains high concentration of feed acids, prevent contact with eyes, skin and reach of children.**

AviOil

Ω-3, Ω-6 acids and lecitine

Properties and effect:

- A mixture of natural animal and plant oils.
- Excellent component for greasing the feed.
- Improves the energy value and palatability of feed.
- Has a positive effect on skin and its products, an excellent feed additive for a period of moulting.
- Included marine fish liver oil contains Essential Fatty Acids (EFA) and fat-soluble vitamins (A,D3,K).
- EFA (Ω-3, Ω-6) must be supplied to the pigeons, because they can not synthesize them by themselves, and these acids constitute approximately 60% of brain.
- Present in the preparation soybean oil is a rich source of lecithin, which improves pigeons' concentration.

Indications:

- As a source of energy for pigeons during the long distances or difficult racing,
- As a support agent during the moulting, egg laying and feeding the nestlings.

Dosage:
During the racing season: 1 day before the race in the evening 4ml/ 1 kg of food. Before the difficult race the product can be given in the morning and in the evening. **During preparing to the rearing and rearing:** 5ml/ 1 kg of food twice a week. **During the moulting:** 4-5 ml/ 1 kg of feed 3 times a week.

Product composition:
fish oil, soya oil. The composition of oils contains necessary Essential Fatty Acids (Ω-3: linolenic acid, docosahxksaenoic acid: Ω-6: linoleic acis) and natural soya lecithin.

AVIMEDICA
HEALTH WITH FLYING COLOURS

AviSalmoTonic

Supports intestinal balance

Properties and effect:

- Supports the secretion and absorption activities of the digestive system.
- Phytoncides and phytoalexins contained in the preparation acts as inhibitors on the multiplication of bacteria such as *E. coli, Salmonella Typhimurium, Clostridium sp.* and others.
- Stimulates the immune system and thus contribute to the maintenance of homeostasis.

Indications:

- As succour in treatment of bacterial infections of the gastrointestinal tract, such as colibacillosis, salmonellosis, anaerobic bacteria infections.
- Adjunct in the treatment and prevention of Young Pigeon Disease Syndrome (YPDS).

Dosage:
Supplement in infections caused by enteropathogenic *E. coli*: 3ml/1l/5 days. **Supplement in infections caused by enteropathogenic *Salmonella Typhimurium*:** 4ml/ 1l/ 3 days, next 3ml/1l przez 5-7days. **Support in the treatment of YPDS:** 3 ml/ 30 carrier pigeons in an amount of water they drink during the day, along with the preparation **AviLyte**. It is also recommended to mix the feed with **AviLiv** and **AviMune**. **Healthy birds:** 2ml/1l/3 dni 1 x a month.

Product composition:
extract of herbs (*Chelidonum majus, Echinacea purpurea, Oreganum vulgare*), anise oil, cinnamon oil, garlic oil, tea oil, mustard oil, eucalyptus oil, eugenol, thymol, glycerol, sorbitol.
CAUTION! Store at room temperature, tightly closed. Shake well before using, during long storage, the product may delaminate.

AviCoxiTonic

Supports the erdication of coccidia and trichomonads

Properties and effect:

- Supports pigeons immune system and thus enhance its activity against protozoan infestations. Included in the product plant substances have an inhibitory effect on daily life protozoa such as *Eimeria sp.* (The causative agent of coccidiosis), flagellates of the genus *Trichomonas sp.*, (The causative agent of trichomoniasis) and *Hexamita sp.* (The causative agent of hexamitiasis).
- Herbal components of the formulation have antiinflammatory effect caused by stabilizing epithelial cells of the gastrointestinal tract.
- Stimulates the local immunity of the gastrointestinal tract (GALT) and cholagogue.

Indications:

- Adjunct in reducing the population of protozoa of the genus *Eimeria* and *Trichomonas.*
- Supportively during and after antibiotic treatment.
- Supportively in the absence of food intake and in case of oily feed feeding.

Dosage:
During egg brooding: 3ml/1l/ 3-5 days. **During the breeding:** 2ml/1l/3-5 days every 3 weeks. **In the remaining time:** Healthy birds: 2ml/1l/ 3 days. **Birds suspected of protozoan infestations:** 3ml/1l 5 days.

Product composition:
herb extracts (*Chelidonium majus, Cinnamomum Scheffer, Echinacea alba, Echinacea purpurea, Hypericum perforatum, Panax ginseng*), anise oil, garlic oil, eucalyptus oil, mustard oil, eugenol, thymol, glycerol, sorbitol.
CAUTION! Store at room temperature, tightly closed. Shake well before using, during long storage, the product may delaminate.

AviWormRepulse

Supports the erdication of intestinal parasites

Properties and effect:

- High concentration of plant extracts cosing an unfavorable environment for roundworms, flat and some protozoa.
- Lactones and essential oils contained in extracts of *Allium sativa, Artemisia absinthium, Inula Helenium, Juglans nigra, Tanacetum vulgare,* help remove parasites.
- Other herbs: *Eugenia Caryophyllus, Foeniculum vulgare, Salvia officinalis, Thymus serpyllum* exhibit antiseptic, antiphlogistic and relaxant effects on the gastrointestinal tract.
- Stimulates the secretion of bile and support digestion.

Indications:

- Helps the bird to stay free from roundworms (*Ascaridia sp., Capillaria sp., Heterakis sp.*) and flat worms (*Railletina sp.*).
- Especially recommended before the pairing period, before the racing and exhibition season.
- Due to the high safety of **AviWormRepulse** it can be used in the racing season and during moulting.Supportively in the absence of food intake and in case of oily feed feeding.

Dosage:

In breeding pigeons and ornamental birds administer every 3 months at a dose of: 4mL/ 50 carrier pigeons (assumed body weight 500g). Administer after mixing it with feed (Twice a day) for 4-6 days.

Beginning the application of **AviWormRepulse** is best 3 weeks before mating, flights training or exhibitions. Re-administration of preparation for the next 2 days is recommended 10-14 days after the previous application.

Product composition:

extract of the herb (*Artemisia absinthium, Allium sativa, Althaea officinalis Eugenia Caryophyllus, Foeniculum vulgare, Inula Helenium, Juglans nigra, Salvia officinalis, Tanacetum vulgare, Thymus serpyllum*), vit. C (ascorbic acid), glycerol, propylene glycol.

CAUTION! Store at room temperature, tightly closed. Shake well before using, during long storage, the product may delaminate.

AviR^BM

Supports the immune system against viral infections

Properties and effect:

- supports immunity (purple coneflower, licorice),
- supports the organism during infectious diseases (horseradish, oregano, rosemary, thyme),
- stimulates the appetite(anise) and restores normal functioning of the digestive tract of birds emaciated by infectious diseases (cumin, peppermint, sage),
- provides excretion of compact droppings by birds.

Indications:

- To support immune system during vaccination period and viral diseases (circovirosis, adenovirosis, herpesvirosis, gastrointestinal infections caused by rota - and coronaviruses).
- To support immune system during bacterial infections of the gastrointestinal tract.
- To improve the quality of droppings in pigeons in stressful situations (pairing, transport, exhibitions).
- To stimulate the appetite in birds weakened by infectious diseases.

Dosage:

Supporting treatment of digestive tract infectious diseases: 6-9 ml / 1L to water throughout adjunctive treatment. If the birds are dehydrated, AviLyte, AviLiv and AviMune together with the preparation can be used.

Supporting immunity system in stressful situations: 5-6 ml/ 1L/ 5-7 days.

Apetite improvement: 4ml/ 1L or 6 ml/ 1 kg of feed for 5 days.

Product composition:

herbal extract: *Armoracia rusticana, Carum carvi, Echinacea purpurea, Glycyrrhiza glabra, Mentha piperita, Origanum vulgare, Pimpinella anisum, Rosmarinus officinalis, Salvia officinalis, Thymus vulgaris, Urtica doica*; Vit. C, glycerole, propylenic glycole.

2.1.1. Recommended programs of application after the racing season

The program of how to use Avimedica products during a winter period:

DAY OF THE WEEK	DOSAGE WITH THE WATER	DOSAGE WITH THE FOOD
MONDAY		AviOil 4ml / 1kg
TUESDAY	AviFungal 2,5ml / 1L	
WEDNESDAY		AviOil 4ml / 1kg
THURSDAY		
FRIDAY	AviFerr 2ml / 1L	AviLiv 3ml / 1kg
SATURDAY	AviPro 1g / 1L	
SUNDAY		AviOil 4ml / 1kg

Winter is the period, when breeders often neglect their pigeons, by feeding them with lower food quality and the remaining preparations from last season. This procedure is not correct, because during winter pigeons still need minerals and vitamins (even though they do not work hard). Additionally using the monodiet during winter period often leads to unnecessary fattening the birds.

The proposed program preparing pigeons for vaccination based on Avimedica products:

Day before vaccination	Product	Dosage
10-4	AviSalmoTonic	3ml/20 of pigeons with the water
10-0	AviLiv AviMune	4ml/ 1 kg of food 5g/1kg of food
3-0	AviFerr	2,5 ml/20 pigeons with the water
Day 0 - vaccination		
0-1	AviFerr	2,5 ml/20 pigeons with the water
0-7	AviLiv AviMune	4ml/1kg of food 5g/1kg of food

Preparation for clutch and brood time

After the vaccination of birds it is possible to prepare them for the clutch. It should be remembered that the stimulation of reproduction processes in birds can take place inter alia under the influence of light radiation. Because of that the pigeons day should be gradually lengthen. It should be conducted by turning on the light - the best by specific amount of minutes before dawn. It is possible to use an electronic or mechanical driver.

An example of schema of day light lengthen in pigeons:

Week before pairing	Lenghten of light day (minutes)
4	Gradually: Monday 10, Wednesday 20, Saturday 30
3	Gradually: Monday 40, Wednesday 50, Saturday 60
2	Gradually: Monday 70, Wednesday 80, Saturday 90
1	Gradually: Monday 100, Wednesday 110, Saturday 120

At the same time with lighting a week breeding birds stimulation program needs to be applied:

Product	Day of the week						
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
AviCal		10gr/1kg of food			10gr/1kg of food		10gr/1kg of food
AviLiv		4ml/ 1 kg of food			4ml/ 1 kg of food		4ml/ 1 kg of food
AviPro			1g/ 1L of water			1g/ 1L of water	
AviFerr	2,5ml/1L of water			2,5ml/1L of water			

During nesting AviCoxiTonic should be applied for 7 days at a dose 3ml/1l.

2.1.1. Recommended programs of application

The program of how to use Avimedica products for a breeding and rearing nestlings periods:

DAY OF THE WEEK	DOSAGE WITH WATER	DOSAGE WITH FOOD
MONDAY	AviCid 3ml/1L of water + Avipro 1g/1L of water	
TUESDAY		AviCal 10gr/ 1 kg of food + AviOil 5ml/ 1 kg of food
WEDNESDAY	AviCid 3ml/1L of water + Avipro 1g/1L of water	AviLiv 5ml/1kg of food + AviMune 4g/ 1 kg of food **
THURSDAY		AviCal 10gr/ 1 kg of food + AviOil 5ml/ 1 kg of food
FRIDAY	AviCid 3ml/1lL of water + Avipro 1g/1L of water	
SATURDAY		AviCal 10gr/ 1 kg of food + AviOil 5ml/ 1 kg of food
SUNDAY	AviCoxiTonic 3ml/ 1L of water * AviSalmoTonic 3ml/ 1L of water	

* **AviCoxiTonic** i **AviSalmotonic** give prophylactically every 3 weeks for 3 following days. The two preparations should not be administrated in the same week.
** **AviMune** should be administrated once a month for at least 7 following days using **AviOil** or **AviLiv** as carriers

During the rearing of nestlings preparations from racing line can be used as well (**AviRegener, AviPower, AviLyte**) and **AviFungal** in any configuration.

Remember to vaccinate nestlings at least against paramyxovirosis. Immunization should begin at the age of 3-4 weeks. This vaccination needs to be repeated after 2-3 weeks. It is possible to use combined vaccination f.ex. paramyxovirosis + pox. In case of threat of salmonella a separate vaccination against this disease should be conducted using a live vaccine.

The program of how to use Avimedica products for of moulting period:

DAY OF THE WEEK	DOSAGE WITH THE WATER	DOSAGE WITH THE FOOD
MONDAY	AviLiv 5ml/ 1L	AviOil 5ml/1kg
TUESDAY	AviPen liquid 4ml/ 1L	
WEDNESDAY	AviLiv 5ml/ 1L	AviOil 5ml/1kg
THURSDAY	AviPen liquid 4ml/ 1L	
FRIDAY	AviLiv 5ml/ 1L	AviOil 5ml/1kg
SATURDAY		
SUNDAY	AviPen liquid 4ml/ 1L	AviFerr 3ml/ 1 kg

2.2. Products for winning the racing season

AviBooster

Increases the efficiency of flight

Properties and effect:

- Composition of herbs and substances that improve the health of birds.
- High levels of L-carnitine mediates the fatty acid metabolism, resulting in the release of additional energy stored as fat.
- Magnesium is an essential element for the proper functioning of muscle tissue.
- The B vitamins are the catalyst for many chemical reactions in the metabolism of proteins and carbohydrates, and also take part in the formation of red blood cells.
- The plant extracts in the preparation strengthen digestive system and positively affect tastiness of the feed.

Indications:

- During training in order to stimulate the birds to fly.
- To accelerate the burning of fat accumulated after the winter rest.
- Before the racing season to prepare the „form"
- During the racing season in order to support the strength of pigeons during races during medium and long distances.

Dosage:

Training and races form building: 3ml/ 1L water or 3ml + 12 ml water mixed with 700g feed one day before the planed training.

Races up to 300 km: 5ml/ 1L water or 5 ml + 10 ml water mixed with 700 g feed. Apply 1 day before the race.

Races more than 300 km: 7ml/ 1L water or 7 ml + 8 ml water mixed with 700 g feed. Apply 1-2 days before the race and one day after the return from race.

In case of applying with water the product must be eaten by birds within an hour!

Product composition:

Feed additives: L-carnitine, vit. B12 , vit. B5, vit. C, magnesium chloride, potassium chloride, herbal extract (*Achillea millefolium, Carum carvi, Cinnamonum verum, Curcuma longa, Echinacea purpurea, Mentha piperita, Origanum vulgare, Panax ginseng, Pimpinella anisum, Plantago lanceolata, Rosmarinus officinalis, Salvia officinalis, Thymus vulgaris, Tussiflago farfara, Urtica doica, Zingiber officinalis*).

AviPower

The energy for the race

Properties and effect:

AviPower is a vitamin composition and easily absorbable carbohydrates:

- sugars are the main source of energy for short distance flights and the first reserve of energy in long distance flights,
- B vitamins are natural catalysts of many pathways in the organism including the energy metabolism anabolic pathways,
- vitamin C belongs to the group of natural antioxidants which catch free radicals and prevent degradation of tissues. Birds are able to synthesize vitamin C. However during stress situations accompanying the races and during the heatwave the demand for it increases.

Indications:

- As a additionally source of energy before the short distance flight,
- before the long distance races product should be given with oils composition - **AviOil**,
- during high temperatures product can be given together with **AviPul**.

Dosage:

During the racing season: Before the short distance race 1-2g/ 1 kg of feed mixed with yoghurt. Before the long distance race 2g/ 1 kg of feed mixed with **AviOil**. **During heatwave:** 2-4g/ 1l of water together with **AviPul**.

Product composition:

glucose, fructose, vit. E, vit. C vit. K3, vit. B1, vit. B2, vit. B3, vit. B5, vit. B9 wit. B12.

ATTENTION! Connected spoon contains 6g of product. Keep in cool, dry and dark place.

AVIMEDICA
HEALTH WITH FLYING COLOURS

AviRegener *liquid*

Fast recovery between flights

Properties and effect:

- Product dedicated to support fast restoration of muscle tissue of sport pigeons.
- The included in the preparation the number of endo- and exogenous amino acids are an easily digestible building blocks of muscle forming proteins.
- B vitamins are natural catalysts of the many trails in the body including protein metabolism pathways.
- Vitamin C is a natural antioxidant that mops up free radicals and prevents the degradation processes of body tissues.
- Herbal extracts increase the palatability and digestibility of the feed.
- Because the amino acid changes occur in the liver, it is recommended that **AviRegener liquid** is used together with **AviLiv**.

Indications:

- During the flight season for the rapid restoration after returning from a race.
- During rearing nestlings.
- During recovering after infectious and invasive diseases.

Dosage:

During flight season: 5ml/20 pigeons with feed or water one day after returning from fligh (both feedings). After an extremely heavy flight, when the birds lose a lot of weight formulation may be administered for 2 following days after returning from a flight at the same dose.
During rearing: 4ml/20 pigeons together with feed or water twice a week.
Pigeons devastated during convalescence after illness: 4ml/20 pigeons with feed or water for 4 followng days togather with **AviLiv** preparation.

Product composition:

herbal extract (*Cinnamomum aromaticum, Origanum vulgare*), vit. B1, vit. B2, vit. B3, wit. B5, vit. B6, wit. H, vit. C, alanine, arginine, q., Aspartic, sq. Glutamic, cysteine, glutamine, glycine, histidine, isoleucine, leucine, L-Lysine, Methionine, phenylalanine, proline, serine, threonine, tryptophan, tyrosine, valine.

AviRegener

An Energetic build up for pre race

Properties and effect:

The composition of amino acids, vitamins and carbohydrates is designed for quick muscle recovery of sport pigeons:

- protein concentrate contains numerous amino acids, including branched ones, which constitute easily absorbed component for proteins building muscles,
- vitamins from group B are natural catalysts routes for building the proteins,
- vitamin C and E are natural antioxidants which mop up free radicals and prevent the body tissue degradation,
- simple carbohydrates are an additional source of energy necessary for changes for anabolic changes, amino acids changes occur in the liver, because of the fact **AviRegener** should be used together with **AviLiv**.

Indications:

- For quick muscle regeneration after the race,
- as a additional source of energy - the day before the race,
- can be also used during feeding the youngsters and recovery of birds after invasive or infectious diseases.

Dosage:

During the racing season: Pre-Race: 10g/20 pigeons with feed with **AviOil** (both feedings). The product can be used over a longer period depending on distance. After the race: 1 day after the race (both feedings). After the hard race, when birds loose much body weight the product can be given for 2 subsequent days after the flight in the same dose. Use **AviLiv** as a carrier after the race. **During youngsters feeding:** 10g/ 20 birds 2 times per week with **AviOil**. **During the after illness recovery:** 10g/ 20 pigeons with food for 4 subsequent days with **AviLiv**.

Product composition:

whey protein cocncentrate, glucose, maltodekstrine, fructose, vit. E, vit. C, vit. K3, vit. B1, vit. B2, vit. B3, vit. B5, vit. B9, wit. B12, citric acid.

AVIMEDICA
HEALTH WITH FLYING COLOURS

18 ingredients!

AviLyte

Electrolytes•aminoacids•vitamins•glucose

Properties and effect:

- Electrolyte rapidly absorbable from the alimentary canal,
- equalizes ionic balance,
- provides pigeons' regeneration after the race and after stressful situations - transport, exhibitions,
- strengthens organism and shortens the pigeons recovery in diarrhea caused by poisoning, viral and bacterial diseases,
- prevents from dehydration,
- monosaccharides contained in the preparation provide exhausted pigeons high energy.

Indications:

- As a supporative agent for pigeons in situation of dehydratation and electrolytes loses ,
- bacterial diarrhea (colibacillosis, paratyphoid), viral infections with kidneys damage (paramyxovirosis),
- as a supplement for electrolytes in situations of increased effort (racing, shows and exhibitions),
- as a supporative agent in periods of mineral deficiency (egg laying, feeding the youngsters moulting).

Dosage:

During diarrhea: 20ml/ 1L of water with **AviCid**. **As a supporative treatment during paramyxovirosis:** 15ml/1L of water togather with **AviLiv** and **AviMune**. **During the racing season:** 10ml/1L of water on the racing day in the morning and 20ml/ 1L of water on the returning day from the race.

Product composition:

dextrose, sodium chloride, calcium chloride, potassium chloride, magnesium chloride, trisodium citrate, vit. C, vit. B12, vit. B1, vit. B2, vit. B3, vit. B5, vit. B9, vit. K3, L-lisyne, Co (Cobaltum sulphonate), Cu (Cuprum sulphonate).

AviCart

Arthroprotector

Properties and effect:

Preparation supporting protection of articular cartilage, designed for sport pigeons:

- glucosamine and hyaluronan build and support regeneration of articular cartilage,
- MSM through neutralization of free radicals helps to reduce inflammation,
- extract from Devil's claw contains saponin which has antiphlogistic effect and regulates, absorption of preparation components from the gut.

Indications:

- Spring trainings and beginning of racing season,
- as prophylaxis of flapping wing syndrome,
- the product may be given to pigeons as a arthroprotector during entire racing season,
- as a support for non steroid anti infammatory drugs in therapy of flapping wing syndrome.

Dosage:

During the spring trainings: 5ml/ 20 pigeons with water or feed before and after the training. **During the racing season:** 5ml/ 20 pigeons with food or water (alternatively) 1 day after the return from race and 2 days before racing (evening feeding).

Support in flapping wing syndrome: 0,3ml/ pigeon, using syringe into the crop 2 times daily after the feeding. The pigeon must have blocked wings during the treatment!

Product composition:

glucosamine, dimetylosulfon (MSM), sodium Hyaluronate, vit. C, *Harpagopythum pracumbens* extract, glycerol.

How to use AviMedica products during the racing season?

Short distance and young pigeon racing.

DAY OF ADMINISTRATION		DOSAGE IN 1 LITER OF WATER	DOSAGE IN 1 KG OF FOOD OR FOR 20 PIGEONS
2 days before racing	morning	AviCid 3ml	
	afternoon		
1 day before racing	morning	AviPul 2,5ml	
	afternoon	AviPul 2,5ml	AviCart 5ml for 20 pigeons****
The basketing day	before basketing	AviLyte 10ml	AviPower 1-2g or AviBooster 5ml for 20 pigeons
RACING			
The return from racing day	After racing	AviLyte 20ml / 1L + AviPul*	
1 day after racing	morning	AviCart 5ml for 20 pigeons****	AviRegener liquid 5ml for 20 pigeons + AviLiv 5ml for 20 pigeons
	afternoon	AviCoxiTonic 3ml for 20 pigeons***** AviSalmoTonic 3ml for 20 pigeons	AviRegener liquid 5ml for 20 pigeons. + AviLiv 5ml for 20 pigeons
2 days after racing**	morning	AviCoxiTonic 3ml for 20 pigeons***** AviSalmoTonic 3ml for 20 pigeons	
	afternoon	AviPul 2,5ml/1L	
3 days after racing**	morning	AviCoxiTonic 3ml for 20 pigeons***** AviSalmoTonic 3ml for 20 pigeons	AviMune 5g
	afternoon	AviFungal 2,5ml / 1L***	

* you can spray the loft with the **AviPul** during hot days and also administer it with the water

** after 3rd race, and next systematically after following two races pigeons should be taken for parasitic and bacteriological examination or you should be treated agains trichomoniasis and bacterial infections. An alternative for chemical drugs are **AviCoxiTonic** and **AviSalmotonic**

*** if you are using an antibiotics during the racing season you have to use the **AviFungal** after every antibiotic treatment

**** **AviCart** is highly recomended in the lofts with flapping wing syndrome problem

***** **AviCoxitonic** and **AviSalmotonic** should be given alternately every 2-3 weeks

Caution!

In case of young pigeon racing you can use the AviFerr in the middle of a week, every two weeks.

2.1.1. Recommended programs of application

Middle distance and marathon racing

DAY OF ADMINISTRATION		DOSAGE IN 1 LITER OF WATER	DOSAGE IN 1 KG OF FOOD OR FOR 20 PIGEONS
2 days before racing	morning	AviCid 3ml + AviPro 1g	
	afternoon	AviFerr 2ml	
1 day before racing	morning	AviLiv 3ml + AviPul 2,5ml	AviOil 4ml + AviRegener **10g for 20 pigeons
	afternoon	Avipul 2,5ml + AviCart 5ml	AviOil 4ml + AviRegener **10g for 20 pigeons
The basketing day	before basketing	AviLyte 10ml	AviPower 2g + AviOil 4ml AviBooster 7ml for 20 pigeons
RACING			
The return from racing day	after racing	AviLyte 20ml/1L+ AviPul*	
1 day after racing	morning	AviCart 5ml for 20 pigeons	AviRegener 10g + AviLiv 5ml for 20 pigeons
	afternoon	AviCoxiTonic 3ml for 20 pigeons***** AviSalmoTonic 3ml for 20 pigeons	AviRegener liquid 5ml for 20 pigeons + AviLiv 5ml for 20 pigeons
2 days after racing****	morning	AviCid 3ml/L AviCoxiTonic 3ml for 20 pigeons***** AviSalmoTonic 3ml for 20 pigeons	AviRegener liquid 5ml for 20 pigeons + AviLiv 5ml for 20 pigeons
	afternoon	AviPul 2,5ml/1L	AviRegener liquid 5ml for 20 pigeons + AviLiv 5ml for 20 pigeons
3 days after racing****	morning	AviCoxiTonic 3ml for 20 pigeons***** AviSalmoTonic 3ml for 20 pigeons	
	afternoon	AviFungal 2,5ml/1L***	

Before the races over 400 miles the AviRegener could be given together with AviOil on food for 4-5 days before the race consequently

* you can spray the loft with the **AviPul** during hot days and also administer it with the water

** you can optionally use **AviRegener** before the racing, but it isn't necessary

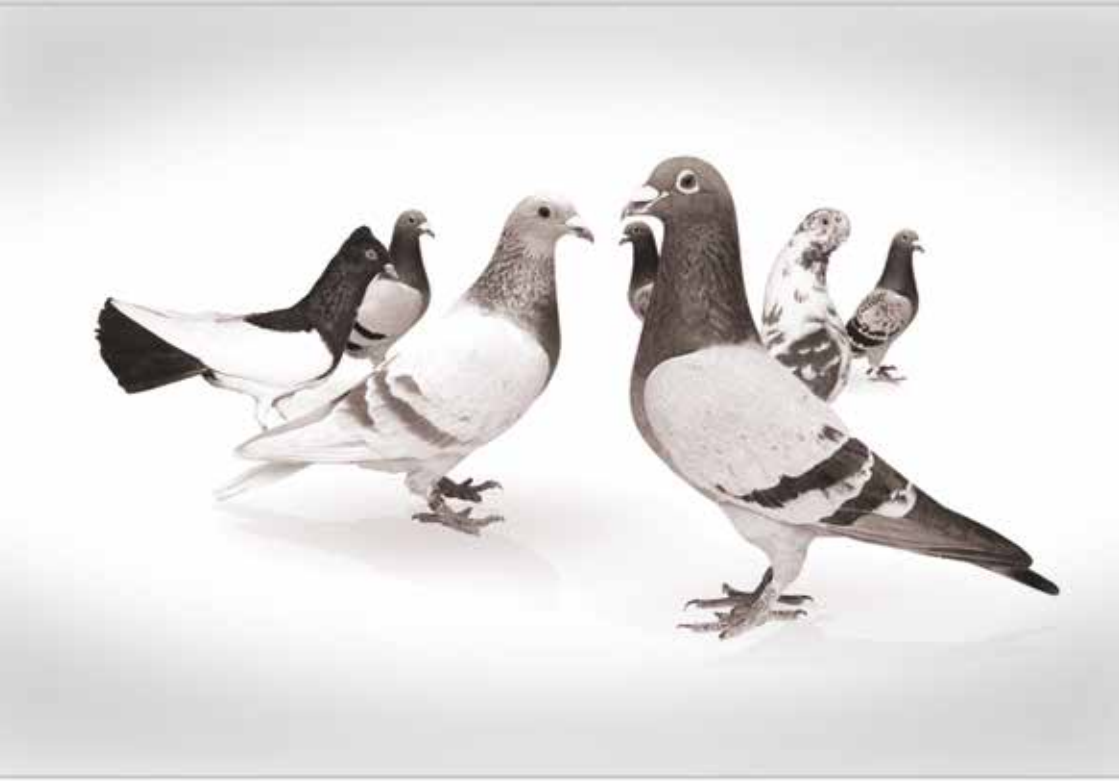
*** if you are using an antibiotics during the racing season you have to use the **AviFungal** after every antibiotic treatment

**** systematically after every two races you should take pigeons for parasitic and bacteriological examination or you should conduct treatment agains trichomoniasis and bacterial infections. An alternative for chemical drugs are **AviCoxiTonic** and **AviSalmotonic**

***** ***** **AviCoxitonic** and **AviSalmotonic** should be given alternately every 2-3 weeks

Our partner:

AVIMEDICA
ZDROWIE W LOT



AVIMEDICA

HEALTH WITH FLYING COLOURS