

NEXT LEVEL

PIGEON RACING



MADE IN BELGIUM



ENGLISH

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NEXT LEVEL

PIGEON RACING

ENG

" Successfully tested from short distance to extreme long distance! "

About NEXT LEVEL

Modern pigeon sport has evolved into newer ways of training, nutrition, racing methods and medical supervision. Everyone knows that the races have been going faster and faster in the last decades and pigeons often fly more races in a shorter time. In addition to the continued genetic improvement of the racing pigeon, guidance and training is an important factor in this. Pigeon sport has simply become top sport. In a certain sense, this can be perfectly compared to how top sport has evolved for human athletes, although the methods for people are still further advanced. It is also a fact that pigeons, with proper guidance, are capable of much more than what was generally accepted 30 years ago. Successfully racing weekly at races of 500 km and beyond is no longer a special exception.

The **NEXT LEVEL** pigeon racing method has been designed and tested to support pigeons cope with such competition programs, from speed to extreme long distance distances. In addition to the choice for an energy-rich and balanced diet and the frequent administration of a fresh, good grit mixture, this method enables pigeons to have an intensive training and flight program and be able to become even better as the races progress, provided the pigeons are genetically suitable for this.

This scientifically based method has been improved and tested for years; and is also based, among other things, on the latest insights from human sports medicine. Just like endurance sports have changed a lot in humans and have evolved in terms of nutrition and guidance, a lot of progress is still possible in the pigeon sport.

This supplement system has been developed according to the "simple and efficient" principle. After all in-between baskets there are often only 4 to 5 days the pigeons are at home in which everything must happen. On the one hand the products help with a particularly fast recovery and on the other hand ensure a greater "training effect" and general condition.

DEVELOPED, TESTED
AND APPROVED BY



VET. RUBEN LANCKRIET

Who is NEXT LEVEL?

The **NEXT LEVEL** pigeon racing range is a professional system that has been extensively tested with racing pigeons according to scientific insights and recent developments from human endurance sports. It was developed by veterinarian Ruben Lanckriet in collaboration with Orovet bv and parent company Group Lataire from Aalter.

Ruben Lanckriet works as an active veterinarian for racing pigeons in Adegem (Belgium). He graduated from UGent in 2005 and built up years of expertise in the supervision of racing pigeons. He took further training in human sports medicine and regularly collaborates with fellow veterinary experts and researchers. He is co-author of scientific publications related to racing pigeons ranging from medical subjects to genetic research. He is also active in DNA testing of sport pigeons, ranging from parental controls to quality gene tests. He himself is also an active pigeon fancier together with his father Ludo.

Group Lataire is a global player in the pigeon sport and an authority in the manufacture, development, distribution and sale of supplements and medicines for pigeons.

" Tested method for better recovery
and higher training condition "

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Thanks to **TOP PERFORMANCE** with ketones, pigeons will recover faster and reach a higher condition.

The efficiency of **TOP PERFORMANCE** increases by applying the **NEXT LEVEL** system by using **TOP PERFORMANCE** in combination with **TOP PROTEIN**, **TOP AMPUL PLUS** and **TOP RECUP**.



TOP PERFORMANCE with ketones

This product is the basis of the **NEXT LEVEL** supplemental method. It is a very complete dietary supplement based on vitamins B, C, E, trace elements, coenzymes, cofactors, antioxidants, natural products and balanced animal proteins. This product also contains an ideal amount of exogenous ketones, so that the pigeons can cope with more efforts in a shorter time span.

Ketones are produced by the body when there is a general lack of energy in the body. By administering exogenous ketones, the body gets used to burn ketones in muscles and brains, including those produced by the body itself, for example during a competition. This helps the pigeons to cope with a succession of races.

TOP PERFORMANCE also contains supplements to promote endurance in terms of both energy supply and fatigue. There is strong support for the functioning of the mitochondria. These are the power plants of the cell and therefore ensure the processing of energy reserves into energy. There is more effective fatty acid transport from the cell into the mitochondria and faster metabolism and energy processing in the liver.

TOP PERFORMANCE provides great anti-oxidative protection, which is important for sporting performance and the administration of high-fat food. There is a greater training effect and it supports the production of hemoglobin that is responsible for the transport of oxygen in the blood and of myoglobin that ensures the oxygen uptake in the muscles. It promotes muscle building during the administration period.

In general, **TOP PERFORMANCE** ensures a higher and more efficient metabolism, so that the pigeon generally feels better, trains more easily and gets into shape faster.

Instructions for proper use TOP PERFORMANCE POWDER:

< 700 km flights (weekly basketting):

the day of coming home from the race, the second day after, the day before basketting and the day of basketting: 1/2 measuring spoon (12,5g) on grain mixture for 25 pigeons per day. Can be combined with **TOP OMEGA 3**.

> 800 km flights (basketting every 2 weeks):

1/2 measuring spoon (12,5g) per day on grain mixture for 25 pigeons. See feeding schedule to know the days when **TOP PERFORMANCE** should be administered. Can be combined with **TOP OMEGA 3**.

TOP PERFORMANCE is available in powder (400 g content) and in capsules (240 caps or 360 caps).

Instructions for proper use TOP PERFORMANCE CAPSULES:

2 capsules per pigeon immediately after returning home (within 10 minutes), 1 capsule per pigeon on the days according to the feeding schedule. Administer in the morning on the day of basketting. Capsules can be administered fasting or after feeding. The effect increases if administered just before the daily training. Moisten the capsules before administering so that the pigeon swallows easily. Can be combined with **TOP RECOVERY CAPS**.



TOP AMPUL MUSCLES PLUS + antioxidant boost

Directly absorbable amino acids in the form of whey hydrolyzate and antioxidants to promote muscle recovery and muscle building as quickly as possible.

By adding very high-quality antioxidants to this efficient product, recovery after exercise increases and accelerates. A rapid recovery from the muscle damage that occurs after any effort is necessary for good muscle strengthening and training effect. Muscle damage during exercise causes minor damage and essentially inflammation of the muscle cells. Antioxidants will prevent this damage and help you recover faster.

The faster muscle reparation and building starts just after the race, the faster the pigeons will be recovered. Moreover, the muscles itself will build up more strongly. As a result, the training effect increases, i.e. the next time the muscles are used, these muscles are capable of more.

Content: 400 ml (16 x 25 ml)

Instructions for proper use:

< 700 km flights (weekly basketting):

When coming home from the race: 1 tube (25 ml) per 1 to 3 liters of water. To be combined with **TOP RECUP**.

> 800 km flights (basketting every 2 weeks):

When coming home from the race and the day after: 1 tube (25 ml) per 1 to 3 liters of water. To be combined with **TOP RECUP**.



" Successfully racing pigeons every week to competitions of even 500 km and more. "

TOP RECUP

Electrolytes and directly absorbable sugars for a quick recovery immediately after the competition.

Maltodextrin provides an energy supplement that is specifically for racing pigeons very efficient.

Content: 500 g

Instructions for proper use:

< 700 km flights (weekly basketting):

when coming home from the race: 20g per liter water. To be combined with **TOP AMPUL MUSCLES PLUS**.

> 800 km flights (basketting every 2 weeks):

when coming home from the race: 20g per liter water. To be combined with **TOP AMPUL MUSCLES PLUS**. The day before basketting: 2g per liter water.

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PIGEON RACING

TOP PROTEIN

Animal proteins in a balanced amino acid ratio and very easily absorbed.

TOP PROTEIN provides muscle building and an optimal training effect if administered just after (or even before) the training. By regularly administering these proteins, the pigeons recover much faster and the pigeons get a larger muscle volume without actually gaining weight.

Content: 350 g

Instructions for proper use:

< 700 km flights (weekly basketting):
the day of coming home from the race, the day after and the day before basketting: 10g on grain mixture for 25 pigeons per day. Can be combined with **TOP OMEGA 3**.

> 800 km flights (basketting every 2 weeks):
the day of coming home from the race, during the 2 days after and the day before basketting: 10g on grain mixture for 25 pigeons per day. Can be combined with **TOP OMEGA 3**.

TOP RECOVERY 'CAPS'

Fast recovery after illness or exercise, based on high-quality animal proteins.

TOP RECOVERY CAPS ensures optimal recovery by providing easily absorbable proteins in an ideal amino acid ratio. Suitable for recovery from illness or exhaustion as well as for help with muscle building and training effect.

Content: 240 caps or 360 caps

Instructions for proper use:

1 or 2 capsules per pigeon, 1 to 3 times a day.
TOP RECOVERY CAPS can be used as individual treatment instead of **TOP PROTEIN** in the **NEXT LEVEL** use schedule with a dose of 2 capsules per pigeon per day. Can be combined with **TOP PERFORMANCE CAPS**.





TOP PROBIOTICS

Good bacteria for optimum crop and intestinal flora, supplemented with some essential vitamins and minerals.

TOP PROBIOTICS ensures a better flora in the crop and intestines. Lactic acid bacteria in the crop are of great importance for pigeons in order to achieve a sufficient absorption of calcium and other minerals. An overall good flora promotes good digestion and helps for better resistance to pathogens.

Content: 500 g

Instructions for proper use:

2 days per week 10g (half a measuring spoon) per day for 25 pigeons.

" NEXT LEVEL system:
based on the latest insights
from human sports medicine "



TOP OMEGA 3

Essential fatty acids for a better condition.

In the diet of pigeons there are generally relatively (much) more omega 6 than omega 3 fatty acids. The latter are the essential fats that have a lot of positive effects on health and training condition in the body. An additional supplementation of omega 3 fatty acids has an anti-inflammatory effect, impedes excess water retention and ensures better burning of fatty acids during exercise. Brain and nerve functions improve and there is an easier recovery of damaged muscles after deep efforts.

Content: 500 ml

Instructions for proper use:

Moisten the mixture with 2 coffee spoons (8-10ml) for 25 pigeons per day. Widow hens: limit **TOP OMEGA 3** to the day of coming home.

TOP HEPAVITA

Give **TOP HEPAVITA** throughout the year for its specific metabolism support. Also contains magnesium (nerve and muscle function), red beet (good oxygen transport) and L-lysine (amino acid). Moreover, **TOP HEPAVITA** stimulates the appetite, acts as an energy source and is tasty for the pigeons. Particularly indicated during the racing season (from sprint to long distance) and during the moulting season. Because **TOP HEPAVITA** does not contain Choline, **TOP HEPAVITA** can be successfully continued to be given until just before basketing (also in long distance and heavy long distance races) since the body can continue to accumulate sufficient fats. **TOP HEPAVITA** is therefore also excellent in a system of weekly basketing for heavy middle-distance and long-distance races.

Content: 1 L

Instructions for proper use:

Moisten the feed with 2 teaspoons (8-10 ml) **TOP HEPAVITA** for 25 pigeons per day or 2 teaspoons (8-10 ml) per liter of drinking water per day. **TOP HEPAVITA** can also be administered together with **TOP OMEGA 3** on the feed by halving the dosage of both. Mix shortly before feeding and dry with **TOP PROBIOTICS**, **TOP PERFORMANCE** or **TOP PROTEIN**.



What is TOP HEPAVITA?

TOP HEPAVITA supports liver and intestinal function and can be used throughout the year. The product contains substances that support the liver as well as herbs that assist both intestine and liver in their proper functioning and serve as a source of energy. In addition, the product also contains magnesium and beet that improve physical condition during the racing season. The presence of important essential amino acids provides both excellent support in the production of feathers and protection against certain diseases. L-lysine is an amino acid that can inhibit the replication of a virus such as herpes in the cell. Moreover, **TOP HEPAVITA** stimulates the appetite and is tasty for the pigeons.

Because of all these properties **TOP HEPAVITA** is an excellent support product during the racing season. An advantage of this liver supporter is the fact that **TOP HEPAVITA**, despite the liver protection, does not prevent fatty liver. The latter is important in the basketing of races with several hours of effort. In pigeons, liver fattening before the race is just an advantage. The energy that these pigeons have accumulated in the form of fat and glycogen in the liver is used during the race. Therefore, you can

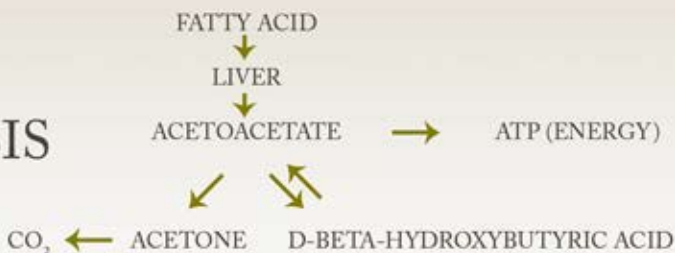
successfully continue to give **TOP HEPAVITA** (even in long distance and heavy long distance races) until just before basketing. **TOP HEPAVITA** is also excellent in a system of weekly basketing for middle- and long distance races because here too a good accumulation of fats in the liver is very important.

TOP HEPAVITA also stimulates the appetite. This is an extra advantage in such races because it is very important that the pigeons continue to eat well until just before basketing. Red beet root is positive for a good oxygen transport in the blood and therefore ensures a good physical condition. Magnesium is important for good nerve and muscle function. From speed to heavy long distance this product gives excellent results!

Because of the liver support and the good effect on feather production **TOP HEPAVITA** is also an excellent product to use during moulting. Regular administration of this product helps the pigeons to produce new feathers very efficiently.

The general positive effects on the intestine and liver, but also the better resistance against diseases and the appetite stimulation make **TOP HEPAVITA** a support for every season and for all pigeons

KETOSIS



What are ketones?

Put simply, ketones are produced by the body itself if a large or the majority of the sugars stored in the body are consumed and therefore it is necessary to work on fat. When weight loss occurs, body-specific ketones are formed. These are acids that are made from these fat deposits and can be used in the blood as fuel for muscles and brains. Moreover, the brain can only work on glucose and ketones. In a fasting state this will therefore be largely on ketones. If pigeons get little or almost no food for a while or, for example, feed youngsters, they end up in what is called a "ketosis" condition. Even when pigeons are flying during a race and a large part of the sugars have been used up, pigeons are in such a ketosis state. This can probably already be the case after 1 or 2 hours of flying, depending on how much glycogen is mainly accumulated in the liver of the pigeon. These self-made ketones are called endogenous ketones (produced internally by the body itself).

Exogenous ketones are then these same substances that are ingested via dietary supplement and, depending on the formulation, may or may not get into the blood properly. The formulation is important for proper absorption through the gastrointestinal tract. These exogenous ketones will very quickly end up in the metabolic pathways of the pigeon and will disappear from the bloodstream as such (just like with endogenous ketones actually).

How do ketones work?

Tests on racing pigeons show that the effect is very similar to that of humans, namely a much more efficient recovery when there's a succession of heavy efforts. They do not fly faster, but they can cope with a series of consecutive races (this is also the same for humans).

The tests show that, moreover, it is apparently not necessary at all that these ketones must be administered during exercise - this is of course impossible with pigeons - but especially that they are administered on arrival and on a regular basis. It is suspected that on the one hand the replenishment of energy reserves proceeds better and faster and on the other hand the body is better "accustomed" to the metabolic pathways in ketosis state, i.e. the body is better adapted to the endogenous ketones that are made during exercise. There is no doubt that this can be extremely important when the pigeon has to make an effort of several hours or even days in extreme long distance races, the more we know that ketones are also used by the brain. One may wonder whether these pigeons might be more alert at the end of their effort to find their home quickly.



SCHEDULE - FLIGHT SEASON

" Simple and efficient "

For all distances: in the run-up to the first 'peak' competition, **TOP PERFORMANCE** (with ketones) on the feed every day for 8 days until basketing. Then follow the schedule below.

The supplements for the feed can be mixed on a smaller amount of feed to feed the pigeons first. More food can then be given if necessary. This way the pigeons eat enough and they certainly have the right dosage of supplements. The food can be moistened with **TOP OMEGA 3** and/or **TOP HEPAVITA**, Winners Sambucus (elderberry), etc. **TOP HEPAVITA** can also be administered together with **TOP OMEGA 3** on the feed by halving the dosage of both.

100 - 700 km (weekly basketing)

	on the feed	drinking water
Saturday (arrival)	TOP PERFORMANCE + TOP PROTEIN + TOP OMEGA 3 / TOP HEPAVITA	TOP RECUP + TOP AMPUL PLUS
Sunday	TOP PROTEIN + TOP PROBIOTICS + TOP OMEGA 3 / TOP HEPAVITA	
Monday	TOP PERFORMANCE + TOP PROBIOTICS + TOP OMEGA 3 / TOP HEPAVITA	
Tuesday		
Wednesday	TOP PERFORMANCE + TOP PROTEIN + TOP OMEGA 3 / TOP HEPAVITA	TOP RECUP 1/10 dosage
Thursday (basketing)	TOP PERFORMANCE + TOP OMEGA 3 / TOP HEPAVITA	

> 800 km (2-weekly basketing)

	on the feed	drinking water
Saturday (arrival)	TOP PERFORMANCE + TOP PROTEIN + TOP OMEGA 3 / TOP HEPAVITA	TOP RECUP + TOP AMPUL PLUS
Sunday	TOP PERFORMANCE + TOP PROTEIN + TOP OMEGA 3 / TOP HEPAVITA	TOP RECUP + TOP AMPUL PLUS
Monday	TOP PROTEIN + TOP PROBIOTICS + TOP OMEGA 3 / TOP HEPAVITA	
Tuesday	TOP PERFORMANCE + TOP PROBIOTICS + TOP OMEGA 3 / TOP HEPAVITA	
Wednesday		
Thursday	TOP PERFORMANCE + TOP OMEGA 3 / TOP HEPAVITA	
Friday		
Saturday	TOP PERFORMANCE + TOP OMEGA 3 / TOP HEPAVITA	
Sunday		
Monday	TOP PERFORMANCE + TOP OMEGA 3 / TOP HEPAVITA	
Tuesday	TOP PERFORMANCE + TOP PROTEIN + TOP OMEGA 3 / TOP HEPAVITA	TOP RECUP 1/10 dosage
Wednesday (basketing)	TOP PERFORMANCE + TOP OMEGA 3 / TOP HEPAVITA	

RECOVERY AND TRAINING EFFECT

The key words for modern top sport pigeon racing

A number of factors are crucial for successful pigeon sport. This certainly includes the genetic quality of the pigeons as well as many environmental factors such as health policy (influenced by the loft, biosafety, immunity status, medication, etc.), motivation system, training and nutrition policy. These last two factors are certainly not the least important!

Nutrition includes everything that the pigeon receives from substances that the body is made up of and that is used and consumed during training and competitions. Supplements to the diet are of course included. Moreover, the training and competition system is inextricably linked to the nutritional and supplementation regimen.

A grain and seed mix has a number of shortages for a good condition and certainly for a top condition. Firstly, daily grit and mineral administration is extremely important. The calcium-phosphorus ratio of pigeon food, for example, is in any case unbalanced.

Then pigeons can use a number of supplements to get in shape. To be able to go to top condition and certainly to be able to cope with and even improve a whole series of deep efforts, the developments in top sport coaching help. For pigeons, B vitamins are very important for the basic condition. This is generally underestimated by pigeon enthusiasts. B vitamins are very little present in the diet of pigeons. Supplementation with B vitamins in any form for pigeons, improves condition instantly.

Recovery

The key word in modern pigeon sport has become recuperation, and let this be something that can be influenced a lot by good supplements and at the right time. Very high quality proteins are very important in this. Together with an energy-rich diet (the same diet as they were basketed) after returning home and the day after, these proteins can certainly win a few days so the pigeons are again ready to successfully finish a race.

Tests have shown that these proteins also have a good effect the day before basketing. This probably also has to do with the period in the transport baskets and the food they sometimes receive in these baskets. In addition to a number of other substances in support of the liver, muscles and body cells in general, exogenous ketones now also prove very successful in having an extra fast recuperation whereby the pigeons even improve with a succession of efforts! Every pigeon fancier knows that this is anything but self-evident.

As a pigeon fancier you can observe how well and how quickly recovery takes place. If the pigeon already shows the same swollen (and supple!) muscles as they had when basketed, on the evening or day after returning home, the pigeon has already recovered considerably. Mind you, swollen muscles that are too hard can mean the opposite. One of the best indications for fast recovery is the length and method of loft training when flying again around the loft the first time after the race. A pigeon that rushes out from the loft and then easily flies with enthusiasm for 30-45 minutes has of course already been recovered very well. If the pigeon is hanging in the air for more than an hour the day after, like the other pigeons, then the pigeon is usually ready to be basketed again a few days later.

At the time of absolute top condition (after a lot of training in the preceding months), a great deal of training is not always necessary anymore. The condition is that the pigeons have had sufficient training hours before that period of succession of tough races. The type of training will vary depending on the purpose and distance of the races. Regular tossing helps practice speed and orientation. Longer loft training sessions help endurance.

The **NEXT LEVEL** range is designed to provide complete support and has been shown by tests to be suitable for all distances.

Veterinarian Ruben Lanckriet

SUPPORT DURING BREEDING

Besides a good health, there are a few things that are important to have a good breeding season. A first important element is whether the pigeons are overweight. Obesity is an important cause of bad laying of eggs. It is also better when the cocks are in good condition weight. During and at the end of the moulting process, it cannot do much harm that the pigeons are a bit overweight (it is better than the other way around). In nature, this is a natural phenomenon in birds because, due to the abundance of food in late summer, they can eat a lot and create a reserve for the winter, but it is a clear disadvantage for breeding for our pigeons. By the way, this is most likely the reason why birds moult during this period due to the natural selection and evolution process. Conclusion: in the period before mating, the pigeons should be rationed if they are overweight.

Many will use fighting before and during coupling to suppress melatonin production by the pineal gland and thus positively influence the production of sex hormones. This makes a difference in speed and efficacy in laying eggs.

What support can be done with NEXT LEVEL products?

Again, it does not have to be too complicated. In the run-up to the couplings, it is good to regularly give **TOP OMEGA 3** oil; both the vitamin E, fats, and omega 3 fatty acids help for a good fertility. Especially for older pigeons this can be a great help to have a better chance of fertilization.

As throughout the year, **TOP PROBIOTICS** is a good continuous support, so it can be used to dry the food after wetting it with **TOP OMEGA 3**. In the run-up to laying the eggs, it may be advisable to add high-quality proteins under the form of **TOP PROTEIN**. This can be very useful for the hens when forming the egg. There are a lot of antibodies from the blood into her eggs, so it is also important that she has sufficient high-quality proteins available in her body.

Once the pigeons start to feed youngsters, **TOP PROTEIN** can be used again to supplement all the good proteins for the fast-growing youngsters.

Besides all this, a balanced diet and sufficient grit and minerals remain of great importance. Sufficient calcium is important for the hens. Too often it happens that an injection with calcium must be done because a hen shows paralysis symptoms after or during the laying of her eggs because she has a calcium deficiency in her body. The paralysis symptoms disappear soon after the injection. Besides a shortage of minerals in the ration, the calcium deficiency may also be related to an insufficient absorption of calcium in the goiter-gastrointestinal tract. **TOP PROBIOTICS** can also help here because the administered lactic acid bacteria enable a better absorption of calcium in the body. Gastrointestinal disease can also reduce absorption.

SCHEDULE BREEDING SEASON

- 8 days before pairing and the first week after pairing every other day **TOP OMEGA 3 + TOP PROBIOTICS**

- 2 days before the laying of the first egg until after the laying of the second egg **TOP OMEGA 3 + TOP PROTEIN**

- during breeding 2 x per week **TOP HEPAVITA + TOP PROBIOTICS**

TOP HEPAVITA + TOP PROBIOTICS 2 x per week on a regular basis during the feeding of the youngsters



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