



BEYERS CONDITION & CARE

RECOVERY



MINERALS AND OLIGO- ELEMENTS: THE FUNCTION OF ELECTROLYTES

Minerals are very important for a well functioning metabolism. Among other things, they ensure the development of the muscles, bones, skin and feathers and play an important role in various physical processes. A distinction is made between macro-elements, **minerals** (calcium, phosphorus, magnesium, sodium, potassium, chlorine), which pigeons need somewhat more of, and micro-elements, the **oligo- elements** (iron, copper, manganese, zinc, iodine, selenium etc.), which are needed in much smaller quantities.

Electrolytes are minerals that are dissolved in the body's blood and tissues. They have a positive or negative charge and can bind with another ion to form a salt. An imbalance occurs in the cells when efforts are made because certain ions are needed to make these efforts, as a result of which cell moisture becomes too acidic or too alkaline. Electrolytes play an important role in restoring the acid-alkaline balance (acidity), they maintain the osmotic value (important for the moisture balance in the cells and for eliminating waste products) and are important for the contraction of the muscles.

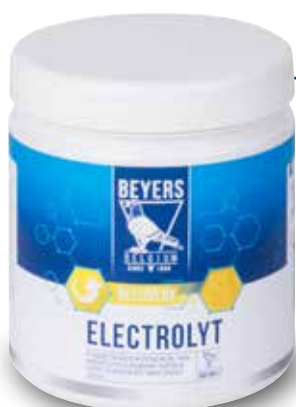
The most important electrolytes for pigeons are: calcium, phosphorus, magnesium, sodium and potassium. This is because there may be a deficiency of these minerals in grain mixtures. They can be administered by means of grit and mineral mixtures. For additional supporting and faster absorption of minerals and oligo- elements, soluble supplements for drinking water have been developed. Electrolytes speed up recuperation, there is thus no point in administering them for preventive purposes.

Vitamins: the more, the better?

Vitamins are vital organic substances which are required only in small quantities in the body. They all have their own specific function and are needed to build up enzymes and co-enzymes.

A pigeon's daily vitamin requirements may well increase if extra efforts are called for (during the breeding, moulting or racing seasons), after illness (in the case of diarrhoea, gastroenteritis) or after medication is administered.

The vitamins that play a role in the (fat) metabolism and (fat) burning are sometimes called the sport vitamins (B vitamins, vitamin E and biotin). Vitamins that support build-up and resistance are called breeding or moulting vitamins (vitamin A, vitamin C, and some B vitamins). Since vitamins are essential for metabolism, they have to be administered daily, preferably from natural sources (high-quality grain mixtures or brewer's yeast) or through well-balanced supplements (above all the B vitamins) in accordance with the recommended dose.



ELECTROLYT ELECTROLYTES

- Promote recovery after flight.
- Eliminating waste products from the body and replenishing consumed salts (potassium chloride, sodium chloride) and minerals (calcium, magnesium) will help your pigeons recuperate faster.
- Rich in B vitamins (B1, B2, B3 and B6) and the essential amino acid methionine.
- Contains simple sugars (dextrose, sorbitol) for an energy boost.

Instructions:

- Racing season: 5 gr / 2 l of drinking water day of homecoming and day after (especially at high temperatures)

