



Kanters

SPECIAL PRODUCTS

Healthy Animals, Healthy Farm

ULTIMATE ACID

The most effective drinking water acidifier

- Effective against pathogenic bacteria like E. coli and Salmonella
- Improves FCR by improving protein digestion
- Reduces diarrhoea and mortality rates





- Effective against pathogenic bacteria like E. coli, Salmonella and Campylobacter
- Improves FCR by improving protein digestion
- Positive influence on the intestinal flora
- Stimulates the production of digestive enzymes
- Preserves the drinking water by lowering the pH level
- Very strong antibacterial effect in the small intestine
- Improves eggshell quality
- Supports fertility, laying percentage, and hatchability
- Reduces diarrhoea and mortality rates

What is Ultimate Acid?

Ultimate Acid is a liquid drinking water acidifier with effect in the small intestine. Stress and water hygiene have an important influence on animal health. Stress decreases the secretion of acid in the stomach and leads to a reduced protein digestion. Water hygiene needs attention because bacteriological pollution in the drinking water occurs more frequently than expected. Both stress and bad water hygiene can disturb the intestinal flora and result in problems like diarrhoea, higher feed conversion ratio, less uniformity and illness.

When to use?

- After vaccinations
- Digestive problems
- Bacterial contamination in drinking water
- Growth delay
- Stress
- Improvement of hatchability
- After antibiotic use
- Wet litter
- Pale animals
- Slow feed intake
- Improvement of fertility and laying percentage



Figure 1: pH measuring by digital measurement or litmus paper.

Mode of action

Ultimate Acid is a liquid acidifier for drinking water based on a synergistic combination of organic acids and the trace elements copper and zinc. The organic acids lower pH and thereby improve the digestion of proteins, inhibit the growth of pathogenic bacteria, moulds and yeasts. Copper plays a major role in different metabolic processes (e.g. production of red blood cells) and has a strong bactericidal effect. Zinc plays an important role in the construction

and activation of enzymes, in processes of growth, in functioning of tissues and reproduction organs. Moreover, zinc suppresses the growth of E. coli and Streptococcus species in order to improve the hygienic situation. Ultimate Acid supports the animals with digestion and gives pathogenic bacteria no chance to develop in both the drinking water and in the animals' intestine.

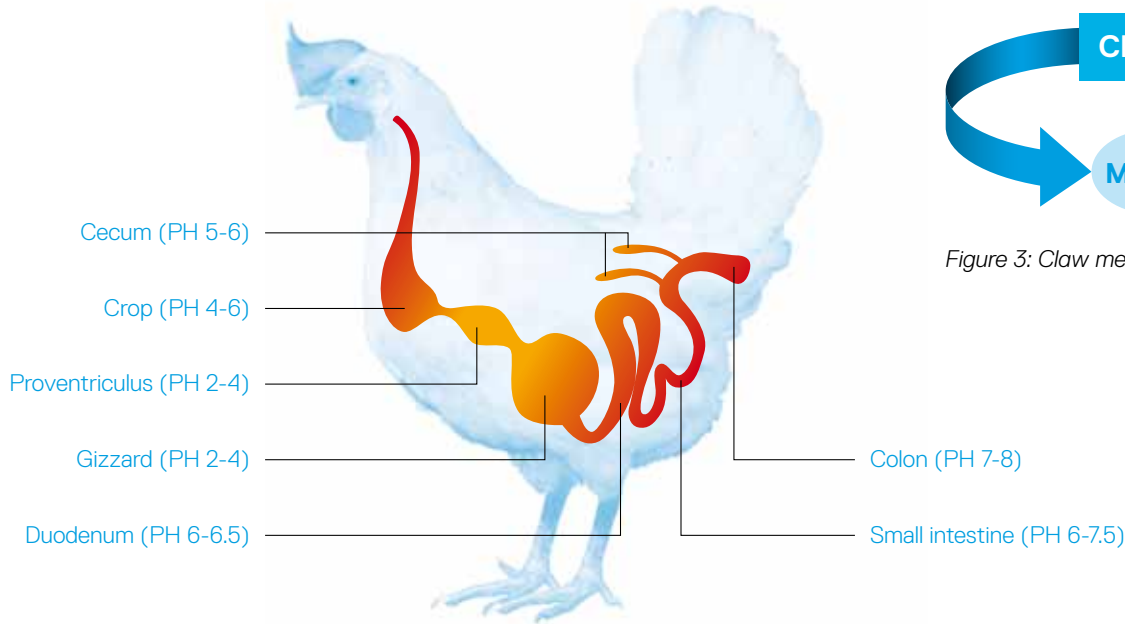


Figure 2: Digestive tract of Poultry.

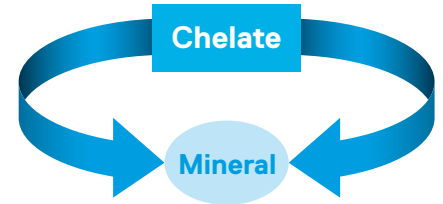


Figure 3: Claw mechanism of chelates.

Technical results

Ultimate Acid was administered to Ross 308 broilers during the whole cycle at 1 litre Ultimate Acid per 1000 litre drinking water (0.1%). Broilers were slaughtered at 48 days. Results show that

broilers in the Ultimate Acid group had higher final bird weights and a lower feed conversion ratio compared to broilers in the control group.

	Control	Ultimate Acid	Difference
Average life weight, g	2356	2440	+ 3.5%
Feed conversion ratio	1.944	1.879	- 3.3%
Production ratio*	215.9	225.4	+ 4.4%
Period of growing	48 Days	48 Days	-

Table 1: Technical performance of Ultimate Acid group and Control group.

* ((100-mortality%) x growth per day in g)/(FCR x 10)

Dosage

0,5 – 1 litre per 1000 litre water. Depending on the circumstances, the dosage can be increased and period of administration extended.

The dosage is also influenced by the hardness of the drinking water. It is recommended to clean your system with Aqua-Clean® before you start using Ultimate Acid. Stop dosing Ultimate Acid 12 hours before vaccination via drinking water.

Packaging

- 10 kg can
- 20 kg can
- 250 kg drum
- 1100 kg IBC





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About Kanters Special Products

Specialised in liquid nutritional supplements for supporting animal health and preventing the use of antibiotics, Kanters Special Products improves your business profits. This is achieved by improving technical results and lowering production costs. We develop, produce and market nutritional specialties, cleaning and disinfection agents for (water) pipelines, chickpaper and hoofcare products.

To achieve the highest yield against the lowest costs for the farmer, Kanters Special Products offers an expert and personal accompaniment with the use of its products. We give direct technical advice and support to farmers. With our farm background, we know the daily challenges that farmers are facing. Our tailor made farm programs are made after a farm analysis because every farm and situation is different. Specialised in **result oriented solutions via drinking water**, with a complete product range based on minerals, vitamins, amino acids, organic acids, cleaning and disinfection agents, plant extracts and essential oils we can also help you to optimize farm profits.

Our dedicated team of advisors is ready to speak with you about the possibilities for your farm. Just contact us via one of the options below or have a look on our website www.kanters.nl.

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