The farming industry is facing many new challenges in supplying a growing worldwide population while preserving our natural resources without compromising profitability. XPERIAL will help you to find the best farming approach to reconcile conflicting aspects of modern farming. In partnership with major broiler integrators, XPERIAL has successfully developed “AQUAL”, a specific Non-Antibiotic Range of products and solutions aimed at reducing the reliance on antibiotics. Discover more about the AQUAL Non Antibiotic Range at www.aqual.co.uk

During the last two years we have been able to reduce the reliance on antibiotics with some major companies who have subscribed to the AQUAL Program. Reductions have been achieved whilst maintaining comparable technical performance. The AQUAL range is designed following a two years partnership with some major European companies. It is based on specific and tailored interventions, minimising conventional antibiotic therapy.

XPERIAL believe that the good management practices we promote to poultry farmers and integrators result in improved bird welfare, reduced disease incidence, better bird health and improved production parameters. This, in conjunction with our aim to reduce antibiotic use and where possible to use non-antibiotics treatments, is consistent with global strategies already outlined.

If you would like to find out more about XPERIAL and Aqual Non Antibiotic Range and protocol please contact us directly.
AQUAL PR can be used in poultry for layers, breeders and broilers.

**BENEFITS**

- Supports treatment of locomotory disorders improving the joints condition by suppressing the inflammation reaction.

- A combination of natural salicylates isolated from willow bark. Natural salicylates act with anti-inflammatory, and analgesic properties.

**Feeding Instructions**

Very low inclusion rate. From 200-400 ml/1000 litres of drinking water. Available in 1 litre.
ABOUT AQUAL PR

Prevention of disease transmission and enhancement of growth and feed efficiency are critical factors in modern poultry production. Poultry have more problems than other animals in the intensive livestock industry.

This is the reason why production of animals and profit for the farm are often not optimised. For more than 50 years, disease suppression and growth promotion have been effectively achieved by the inclusion of various antibiotics or chemotherapeutics at sub-therapeutic doses into diets.

Since January 2006 all in-feed antibiotics and chemotherapeutics are banned in the EU. Concerns about antibiotic residues in the meat for human consumption as well as the evidence of emerging multiple resistances to antibiotics force producers to look for alternative strategies.

Aqual PR is a water soluble concentrate and has been proven by outstanding results in numerous trials carried out with millions of chickens. The results of Aqual PR will be seen very quickly after administration and feed efficiency will improve immediately. It can be used safely and efficiently in all sectors of poultry farming and will produce feed conversion.

Aqual PR is produced in compliance with GMP+ guideline. The GMP+ policy consists of the following aspects:

1. **Food and feed safety is a priority in line with our vision on sustainable farming.**
2. **The production facility is certified to GMP+ standards.**
3. **The raw materials that are in compliance with GMP+ standards.**
AQUAL DX can be used in poultry for layers, breeders and broilers

**BENEFITS**

- A potent formulation of natural anti-oxidants.

**Feeding Instructions**

From 200-400 ml/1000 litres of drinking water.
Available in 1 litre.
AQUAL DG is a nutritional supplement specifically developed to support gastrointestinal function and immunity during infectious disease challenges.

**BENEFITS**
- Improved uniformity
- Better weight for age
- Improving foot pad scores
- Better litter integrity
- Improved technical performance

AQUAL DG has been developed as a non-antibiotic solution to support intestinal function and health. Very low inclusion rate. 100-200 ml per 1000 litres application rate in the field. Available in 1 litre.
AQUAL DG contains a concentrated blend of essential oils and vitamins. AQUAL DG is a specifically developed water soluble formulation, which contains a highly concentrated blend of essential oils and amino acids which support productivity in poultry, particularly during periods of stress.

It has unique taste and flavour that promotes feed intake and supports intestinal health especially in times of physiological stress and infectious disease challenge. Thymol, Eugenol, carvacrol: have been demonstrated to promote appetite especially during periods of stress.

Certain essential oils reduce Eimeria infection pressure.

Threonine: is a key amino acid in supporting gastrointestinal health and specifically in the generation and repair of the mucus lining of the gastrointestinal tract. The mucosal barrier is a key primary defense mechanism against pathogen invasion and adherence.

Arginine promotes healthy intestinal vasculature which supports gastrointestinal absorption of food in addition to repair of damaged enterocytes.

The inclusion levels of the key active ingredients have been determined to provide the maximum health benefit to poultry when consumed at the recommended inclusion rate in water while also providing most economic benefit.

**Feeding Instructions**

Mix 150 - 200ml per 1,000 liters of drinking water

- Days 7-12 (Aid to counter malabsorption)
- Days 16-21/22 (Intestinal health support)
- Days 32 + (Intestinal health support)

Available in 1 litre pack size

**Usage Instructions**

Malabsorption due to presence of diarrhoea.

Feed passage (Undigested feed passage)

Supports intestine against protozoal challenge (Eimeria)

Post antibiotic usage to support and promote commensal flora.

- Days 7-12 (Aid to counter malabsorption)
- Days 16-21/22 (Intestinal health support)
- Days 32 + (Intestinal health support)
AQUAL FC is a nutritional supplement specifically developed to support appetite, feed intake and liver function.

**BENEFITS**
- Improved uniformity – profitability factor
- Improved day 3 and day 7 weights
- Cost reduction with less veterinary inputs
- 10 grams improved day 7 weights will normally equate to 80-90 grams at slaughter.
- Significant cost: benefit ratio (4:1)
- Breeders: improving hatchability and maintaining late male fertility

**Feeding Instructions**
From 200-400 ml/1000 litres of drinking water. Available in 1 litre / 2.5 litre.
APPLICATION

Broilers, layers and broiler breeders – from 1-4 days of age to stimulate feed intake, intestinal development and support transition to carbohydrate/protein feed.

Broilers – during feed changes for 2-3 consecutive days commencing the day prior introduction of new feed.

Layers and broiler breeders at risk of fatty liver syndrome or any other metabolic disturbance use from weeks 22-24, 28-30, 40-45 and 55-60 use for three days during each period.

All birds at risk from intestinal disease such as proventriculitis or gizzard erosion – 3-4 days based on post-mortem findings or clinical signs of selective feeding.
E-S

Supports Immune System

AQUAL E-S is a nutritional supplement specifically developed to support the immune system

**BENEFITS**

- Increased performance through weight gain and feed conversion
- Helps develop broiler chicks
- Stimulates feather growth
- Reduces stress
- Improves egg quality, volume and shell structure

**Contents**

Contains Selenium, Vitamin C and Vitamin E.

**Feeding Instructions**

Dilute 300ml in 200 liters of drinking water.

Available in 1 litre pack size.

www.aqual.co.uk
SP

Supports General Metabolism & Stress Reduction

AQUAL SP is an early stage vitamin supplement for use during times of stress and disease challenge

BENEFITS

• Helps reduce stress in early days
• Use as a preparation in advance of drug treatment or vaccination
• Wide ranging vitamin supplement with Rosemary and seaweed extract (anti-oxidants)
• Aids disease recovery

Feeding Instructions

Dilute 75ml in 200 litres of drinking water.
Available in 1 litre pack size.
HY

Implements Hydration and reduces Heat Stress

AQUAL HY is a concentrated electrolyte specifically formulated to meet the needs of producing maximum performance during unfavourable conditions.

BENEFITS

- Restores electrolyte balance
- Meets the challenges posed by increased heat stress
- Regain responsiveness of the immune system

Feeding Instructions
Mix 1 kg per 1,000 litres of drinking water.
Available in 5 litre / 3kg pack size