

Quadra NEWS

LACTIC ACID FORMIC ACID CITRIC ACID PHOSPHORIC ACID ESSENTIAL OIL

WATER ACIDIFIER
WITH THE GOODNESS
OF ESSENTIAL OIL

POTENTIATED
WITH
ESSENTIAL OIL

Olacio⁺ liquid

WATER ACIDIFICATION

The quality of drinking water for poultry and its effect on performance has been of concern to poultry producers for many years. Water makes up a large proportion of the body of the chicken, from 55% to 75%, and therefore is essential for life. Chickens can survive much longer without feed than without water. A rule of thumb for water is that the bird consumes from 1.5 to 2 times as much water as it does feed. Therefore, it is expected that deviation in water contents will affect bird performance more than its occurrence in feed contents. Organic acids have made a great contribution to the profitability of poultry production and also provided people with healthy and nutritious poultry products. They have beneficial effects on performance, some also decrease the incidence of subclinical necrotic enteritis caused by *C. perfringens*, an additional beneficial effect which is highly relevant for the poultry industry.

Acidifiers are acids included in water to lower the pH of the water, gut, and microbial cytoplasm, thereby inhibiting the growth of pathogenic intestinal microflora. This inhibition reduces the microflora competing for the host nutrients and results in better growth and performance of the chicken. Short-chain organic acids in **OLACID PLUS LIQUID** are more effective as bactericidals, as they can penetrate the cell in a non-dissociated form. In addition to its antimicrobial effects, Lactic acid permeabilises the outer membrane of gram-negative bacteria and potentiates the effect of other antimicrobial substances. The fact is that when the pH of the medium is less than the pK value of the acid, they remain non-dissociated, having better penetration power. In contrast, if the acid's pH is greater than its pK, it tends to become dissociated. Organic acids in **Olacid** have a high pKa value and thus provide better acidification of the gastrointestinal tract.

ADVANTAGES OF WATER ACIDIFICATION

- **PREVENTS BACTERIA FROM REPRODUCING**
- **REDUCES THE INCIDENCE OF LIMESCALE AND BIOFILM FORMATION**
- **HELPS IN PROTEIN DIGESTION**
- **DOES NOT AFFECT THE USEFUL GUT MICROBES**

INDICATIONS

- **To lower the pathogen load in water**
- **To Reduce chick mortality**
- **To Reduce incidence of Salmonellosis and Colibacillosis**
- **Improve digestibility and assimilation of nutrients**
- **Improve feed conversion & weight gain**
- **Improve hatching egg selection**
- **Improve egg productivity**
- **Reduce laying mortality due to bacterial infection**
- **Reduces the Ammonia production**

COMPOSITION

Enhanced
with
lemongrass oil

Lactic acid

Organic acids

Formic acid

Phosphoric acid

Citric acid

BENEFITS

- Powerful bactericidal effect
- Effective in control of microbial load
- Promotes normal gut flora & gut integrity
- Added advantage of **lemongrass oil**
 - Prevents bacterial flagella formation
 - Anti-helminthic activity
- Effective even in the presence of organic matter

USAGE:

POULTRY & SWINE :

1ml/ 3- 5L of drinking water

PACKING:

1L Bottle & 5L Can



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