Info sheet

# Quill Productions Quill Organic Acid



**Vitamins & Supplements** 

MADE IN RITAIN

# Blend of organic acids and chelated minerals for maximum immunity and performance

#### BENEFITS

- Improves immunity against pathogenic bacteria such as E.coli, Salmonella and Clostridium
- Chelated minerals are anti-bacterial & support metabolism
- Prevents limescale in waterlines
- Enables better protein digestion
- Reduces wet litter & diarrhoea
- Stimulates immunity
- Lower pH creates an optimal gut environment







SUITABLE FOR: Poultry, Turkeys & Pigs



#### **KEY COMPONENTS**

Propionic acid, formic acid, lactic acid, chelated copper & zinc

#### SUPPLIER INFORMATION

Product Name: Product Code: Supplier: Quill Organic Acid QACID Quill Productions, Manor Farm, Pulham, Dorset DT2 7EE

#### DOSING INSTRUCTIONS

Can be used daily. Add to drinking water; directly into drinkers, tanks or with a dosing pump.

#### Dilution rate 1: 1000

(0.5-1ml of Quill Organic Acid per 1000ml water)

Do not exceed the maximum levels of copper and zinc in the daily ration for poultry, 25mg/kg for copper and 150mg/kg for zinc.

We recommend the use of water sanitiser with waterlines to prevent bio-film build up. Not recommended for use at the same time as wormers or vaccinations in the water.

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#### FURTHER INFORMATION

# Lowering the ptf

Lowering the gastric pH in the proximal part of the gut has been proven to reduce the growth of Salmonella, E.coli and Clostridium.

Organic acids lower the pH of the crop and stomach of Poultry & Pigs, preventing pathogens from growing and stimulating a balanced intestinal microbiota.

Chelated zinc also helps to enhance gut wall integrity.

### Reducing wet litter

Organic acids support and stimulate a balanced intestinal microbiota.

An imbalance in gut microbiota will cause issues like diarrhoea (scours) and undigested feed.

The increased ammonia levels and damp environment caused by wet litter will reduce air quality and create a breeding ground for pathogenic bacteria to thrive.

# Protein digestion

Pepsin is a protein enzyme needed for Poultry and pigs to digest their food, however it functions better at a lower pH.

By lowering the stomach pH, Quill Organic Acid improves protein digestion, increasing energy and supporting tissue growth.

# Additional notes