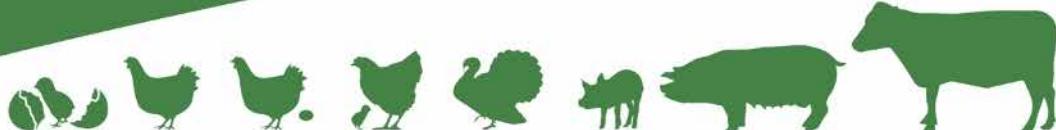


4t-fi™ Organic



TECHNICAL
INFORMATION



4t-fi™ Organic. A proven acid even stronger!

Animal producers suffer from losses caused by bacterial contamination and associated effects on the livestock, such as lower daily weight gain and increased mortality.

The strongest bactericidal and bacteriostatic effects among organic acids have been demonstrated for formic acid.

Our manufacturer has made the documented effects of formic acid even stronger – by combining this trusted acid with registered salt to enhance the efficacy range.



4t-fi™ Organic stands for:

- Highest amount of active ingredients (~85%)
- Very strong antimicrobial effects
- Unique ingredients composition



The antimicrobial effects are beneficial for the birds in many respects:

- 4t-fi™ Organic reduces the total microbial load in the drinking water and in the upper digestive tract
- 4t-fi™ Organic optimizes protein digestibility
- 4t-fi™ Organic improves performance due to increased digestibility and better FCR

- Reduces microbial load
- Improves hygiene conditions
- Optimizes pH



4t-fi™ Organic
with formic acid
and sodium
formate

Table 1:

Antimicrobial effect of formic acid against different bacterial (after Strauss and Hayler, 2001) – Minimal Inhibition Concentration MIC in %

Bacteria	MIC (%)
Salmonella typhimurium	0.10
Escherichia coli	0.15
Listeria monocytogenes	0.10
Campylobacter jejuni	0.10
Clostridium botulinum	0.15
Clostridium perfringens	0.10
Pseudomonas aeruginosa	0.10
Staphylococcus aureus	0.15

Table 2:

Comparison of broiler performance using 4t-fi at 350 ml per 1000 litres drinking water and a Negative control.

	Control	4t-fi (1 litre) for 10 h/d for 25 d	Difference (%)
Birds (n)	48,000	48,000	
Age (days)	40	40	
Final weight (g)	2.324	2.450	+5.4
ADG (G D-1)	58.6	60.6	+3.4
FCR	1.65	1.62	-1.8
Mortality (%)	6.48	4.10	-36.7
EPEF	331	358	+8.2

Trial carried out in Turkey (2017)

The use of 4t-fi™ Organic under practical conditions applied via the water can be a part of the new feeding concept, leading to cost-effective and pathogenic-free livestock production!

Technical Data

Composition:

Contains the preservatives formic acid and sodium formate, organic beet molasses and salt.

Storage:

4t-fi™ Organic is to be stored in a dry, frost-free and dark place. Shelf life of sealed original packages min. 24 month from production date.

Packaging:

Canister 8 kg
Drum of 265 kg
IBC of 1325 kg

Indications for use:

FEED and WATER
4t-fi™ Organic is used in the drinking water of poultry.
Use 0.5 to 2 Litre per tonne of complete feed/drinking water.
Target pH of 4.5 in the water.

Raw material hygiene

up to 10 litres per tonne (depending upon bacterial contamination such as salmonella).



4t-fi_BROILER_COMPARISON_Organic_GB_QR_1220_mabr_Agritech

For further information please visit our website www.agritech-is.com.

