



Now even stronger contains the only two EU approved hygiene condition enhancers!

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 and sodium formate. Agritech has ensured the product is formulated with the only two EU approved hygiene condition enhancers formic acid and sodium formate.

4t-fi™ stands for:

- highest amount of active ingredients (~90%)
- very strong antimicrobial effects
- unique ingredients composition

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

- 4t-fi™ reduces the total microbial load in the drinking water and in the upper digestive tract
- 4t-fi™ optimizes protein digestibility
- 4t-fi™ improves feed + water hygiene, and therefore performance



- reduces microbial load
- improves hygiene conditions
- optimizes pH



4t-fi™ 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



The use of 4t-fi™ under practical conditions shall be part of a new feeding concept. It is unique as it contains the only two approved hygiene condition enhancers which when added to any raw material or feed acts as a bacterial decontaminating agent to improve feed hygiene.

Technical Data

Composition:

Contains the only two hygiene condition enhancers formic acid, Sodium formate

Storage:

4t-fi™ 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 272 kg
IBC of 1360 kg

Indications for use:

FEED and WATER
4t-fi™ is used in the drinking water of pigs. Use 0.5 to 1 Litre per 1000 Litres of water, or at 3-7 Litre per tonne of feed.

Raw material hygiene

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



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



Tel: 01743 884940
www.agritech-is.com

