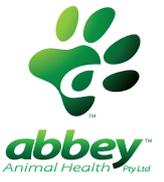


ForFeed™ FEEDMILL HYGIENE



ACTIVE CONSTITUENTS: Sodium propionate, propionic acid, ammonium formate, sodium formate, sorbic acid, surfactant

Hygienic Feed – Enhanced Profitability.

What is ForFeed™ Feedmill Hygiene?

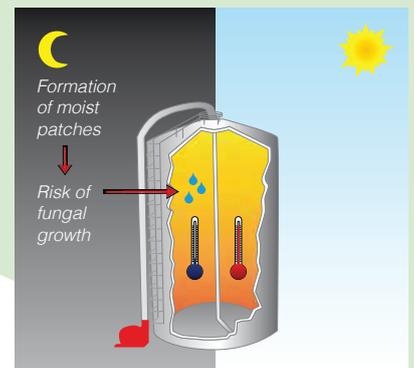
ForFeed™ Feedmill Hygiene helps improve feed hygiene, maintain the nutrient level of feed as well as optimising the production of feed all at the same time. ForFeed™ Feedmill Hygiene has strong anti-mycotic and antimicrobial effects, which in combination, are beneficial for both the feed and the animal. ForFeed™ Feedmill Hygiene is designed to be easily dispersed through feed and has proven effectiveness against the impact of moisture migration.

Why use ForFeed™ Feedmill Hygiene?

Contamination of feed during storage and during feeding, result in significant losses in productivity, if not severe outbreaks of disease, as a result of microbial and fungal growth. In addition, bacterial and mould growth also reduce the nutritive value of feed.

The strongest mould inhibition among organic acids has been demonstrated for propionic acid, whereas the strongest bactericidal acid is formic acid. Sorbic acid on the other hand has inhibitory effects against, yeasts, moulds, and bacteria. Surfactants are also included and help in dispersing the mixture into the feed.

ForFeed™ Feedmill Hygiene is highly effective, non-corrosive, safe and improves productivity.



What are the benefits of ForFeed™ Feedmill Hygiene



Prevents and stops the spread of moulds, yeast and bacteria in the feed



Improves physical and digestibility parameters of feed



Stabilises feed quality and optimises the moisture content

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Table 1. Effect of propionic acid against fungi

FUNGI	MIC (%)
<i>Rhizopus nigricans</i>	0.100
<i>Aspergillus niger</i>	0.250
<i>Aspergillus flavus</i>	0.250
<i>Chaetomium globosum</i>	0.125
<i>Penicillium expansum</i>	0.125
<i>Penicillium notatum</i>	0.200
<i>Cladosporium sp.</i>	0.250
<i>Fusarium nivale</i>	0.125
<i>Fusarium oxysporium</i>	0.125
<i>Helminthosporium sativum</i>	0.100

Table 2. Effect of formic acid against bacteria

TEST ORGANISM	MIC (%)
<i>Salmonella typhimurium</i>	0.10
<i>Escherichia coli</i>	0.15
<i>Listeria monocytogenes</i>	0.10
<i>Campylobacter jejuni</i>	0.10
<i>Clostridium botulinum</i>	0.15
<i>Clostridium perfringens</i>	0.10
<i>Pseudomonas aeruginosa</i>	0.10
<i>Staphylococcus aureus</i>	0.15

Numerous trials have shown that the combination of the correct organic acids or their salts, with proven effects against fungi and bacteria leads to hygienic feed, which prevents losses during storage.

The use of ForFeed™ Feedmill Hygiene in combination with optimised moisture under practical conditions will be a part of a new feeding concept, with high quality feed and therefore productive animals.

DIRECTIONS FOR USE

ForFeed™ Feedmill Hygiene is used at 0.5 – 1.0 L/tonne depending on level of microbial contamination and intended final moisture level of feed.

STORAGE

ForFeed™ Feedmill Hygiene must be stored in a dry, cool (frost-free) and dark place.

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