

Alltech® MYCOTOXIN MANAGEMENT



Your herd is your business. Protecting it is ours.

Mycotoxins are produced by moulds in the field, at harvest and during storage. They affect animal performance and producer profitability in a number of ways.

How do mycotoxins affect nursery pigs?

GROWTH/PRODUCTION

- Decreased growth rates and altered efficiency
- Variation in group body weight
- Lethargy
- Increased days to market

GUT HEALTH

- Damage to gut integrity (decreased villi height and surface area)
- Ulcers and haemorrhaging
- Increased gut pathogens
- Lower feed intake
- Vomiting
- Poor intestinal digestion and absorption of feed
- Inconsistent faeces quality

IMMUNITY

- Poor antibody production/vaccine titers
- Reduced cell-mediated immunity
- Altered cytokine profile
- Increased duration of diseases
- Increased mortality rates

ORGAN DAMAGE

- Liver and kidney damage
- Liver enlargement or fatty liver
- Bile duct hyperplasia
- Uric acid crystals in kidneys and joints (gout)
- Pulmonary oedema (fluid accumulation in the lungs)
- Heart enlargement and failure
- Brain damage
- Vaginal and rectal swelling or prolapses

How much can mycotoxins cost nursery pig producers?



↓ 81g/day decrease in average daily gain per pig
Range - 7 to -195



↑ 0.13 increase in feed conversion ratio (FCR)
Range - 0.14 to +0.57



↓ \$7.42 net return/pig
Range - \$17.74 to -\$0.42

What could you save with ALLTECH MYCOTOXIN MANAGEMENT?



↑ 22.5g/day increase in average daily gain per pig



↓ 0.01 decrease in FCR



↑ \$2.13 net return/pig during a mycotoxin challenge

ROI* = 2.1 : 1

*Includes average product cost of \$0.01/pig/day

RESEARCH

Total number of pigs = 1071 | pigs fed control diet = 314 | pigs fed mycotoxin contaminated feed = 645 | pigs fed mycotoxin contaminated feed + MYCOSORB = 112

References: Smith et al., 1997; Swamy et al., 2002; Swamy et al., 2003; Jun et al., 2006; Danicke et al., 2007; Chaytor et al., 2011; Weaver et al., 2012; Weaver et al., 2013



MYCOSORB A+®

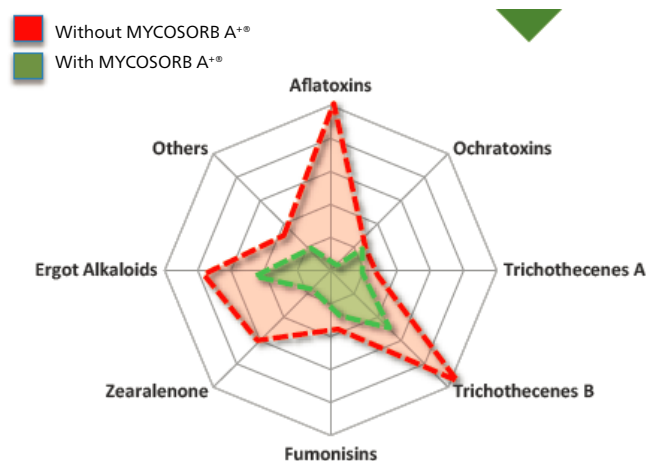


MYCOSORB A+®, from ALLTECH®, is Europe's number 1 authorised mycotoxin binder. MYCOSORB A+ reduces mycotoxin absorption, negating the damaging effects of mycotoxins on the health and performance of animals.*

- A proven, broad spectrum mycotoxin binder, which tackles mycotoxin challenges as a whole rather than dealing with individual mycotoxins
- Fast acting, interacts with mycotoxins within 10 minutes
- Effective at a low inclusion level
- Proven by scientific research
 - 7 functional carbohydrates
 - 11 studies supporting mode of action
 - 65 studies supporting efficacy in animals

MYCOSORB A+®, from ALLTECH®, offers producers a solution that limits the effect of more mycotoxins than ever before.

The graph on the right shows the risk associated with mycotoxin contamination in a particular feed sample with and without MYCOSORB A+.



Take the MYCOSORB A+ challenge

Feeding rate: 0.5 - 2 kg/t

Feeding rate varies based on mycotoxin risk level in feed and life stage of the animal.

*Article 13, Regulation (EC) No. 767/2009

ALLTECH'S MYCOTOXIN MANAGEMENT program is designed to reduce risk while improving performance and profitability for individual herds. Actual results may vary by herd. Program response and ROI will depend on specific farm scenarios.