

Mycosorb A+

Toxin binder based on *Saccharomyces cerevisiae* yeast

Mycosorb A+ by Alltech is a toxin binder based on a specific strain of yeast, *Saccharomyces cerevisiae*, rich in glucans that have been shown to bind a broad range of mycotoxins including aflatoxins. It reduces the risk of mycotoxins by the process of adsorption. Adsorption is the process by which carbohydrate components of yeast and algae cell walls bind to mycotoxins, removing them from the digestive tract. These beta-glucans are the active components of Mycosorb A+.

Balanced Equine chose this toxin binder product due to the significant research behind it. In animals, aflatoxins are known to affect liver function, contributing to kidney damage. Fumonisin is known to affect the liver as well as the immune system.

If you are concerned about your hay being mouldy or are experiencing a fungal outbreak in your pasture, for example, Paspalum ergot fungus or certain strains of endophyte perennial Ryegrass, consider a toxin binder.

These fungal toxins are renowned for causing photosensitivity; signs are sunburn and blistering on pink skin on faces and pasterns (generic term, greasy heel or mud fever). When an animal consumes a plant or chemical containing these pigments (for example, polyphenolic), the pigments circulate to the skin where they are exposed to UV light, fluoresce and cause oxidative injury to the cells of the skin. Liver damage in a horse might not be noticed until the animal develops photosensitisation.

For an explanation of the process:

Quinn et al (2014) *Secondary plant products causing photosensitization in grazing herbivores: their structure, activity and regulation*

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3907879>

Mycosorb has other advantages, including:

- A low effective inclusion rate

- Broad spectrum reach and component broad spectrum reach
- High efficacy
- Binds mycotoxins without **binding nutrients**
- Excretion of toxins via the faeces
- Supports recovery of the immune system

Can be fed with minerals and salt.

Feeding rate (per day):

High rate for 500 kg horse - 20 g per day (4 g per 100 kg)

Standard rate for 500 kg horse - 10 g per day (2 g per 100 kg)

Mix with feed. Ideally divide amount between meals if feeding more than once per day

Storage: Moisture and air sensitive keep container closed and in a cool, dry area.

Manufactured in Australia.

Animal consumption only

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Balanced Equine

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