

Looks can be deceiving

Mycotoxins - the invisible poison

Feed does not have to be moldy to contain dangerous levels of mycotoxins. This fall the Midwest experienced cold, wet weather conditions which delayed harvest; creating the perfect environment for *Fusarium* (vomitoxin (DON), T-2, zearalenone) molds and mycotoxins to grow.

What can you do?

- Test your feed for mycotoxin levels, not mold levels.
- Watch for symptoms of mycotoxicosis, including:
 - Sporadic manure
 - Erratic feed intake
 - Digestive upsets/DAs
 - Short cycled heats
 - Reduced milk production
 - Elevated SCC
 - Cystic cows
 - Unthrifty appearance
- Use a mycotoxin control program

Research has shown the most effective method of neutralizing mycotoxins already in feed is by using a mycotoxin control program. Clay and Sticky Sugar products are commonly used, but do they match up to the ideal features of the newer technology currently available?

Ideal features of a mycotoxin control program

	Clay	Sticky Sugars	L-Form Bacteria
Ability to bind a wide range of mycotoxins	N	N	Y
Low effective inclusion rate in feed	N	Y	Y
Rapid and uniform dispersion in feed during mixing	Y	Y	Y
Heat stability during pelleting, extrusion and storage	Y	N	N
Low affinity for vitamins, minerals or other nutrients	N	Y	Y
Broad-range toxin control	N	N	Y



- Formulated specifically for problems caused by molds and their metabolites, mycotoxins
- Utilizes proprietary L-form **Lactobacillus**, which improves animal immune response, and product shelf-life and stability
- Enhances cows ability to recover from mycotoxin exposure
- Overall improvement in herd's general appearance, allowing for improved reproduction and milk production



- Offers benefits of DTX and Bio Cycle
- Includes digestive enzymes, enhancing secondary metabolism and digestion, allowing increased digestive capacity and immune response.
- Utilizes proprietary L-form **Lactobacillus**, improves immune response, as well as product shelf-life and stability
- Enhances cows ability to recover from mycotoxin exposure
- Overall improvement in herd's general appearance, allowing for improved reproduction and milk production

NorthStar Cooperative
INC.



AntelBio

DHI

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FARM PLAN

**90 days
No Interest
No Payments**

When purchasing DTX, Bio Cycle, Bio Cycle Plus or Ultimate using Farm Plan.

Offer valid **Feb. 1 - July 31.**