



YEAST & MOLD ANALYSIS

Field and storage conditions of feedstuffs can create an environment conducive to growing yeasts and molds. This can lead to challenges with reproduction and performance in livestock. Here is some information to help you interpret our yeast and mold reports.

YEAST

- As Yeasts grow, they break down sugars and starches for food.
- The by-product of the breakdown of starches and sugars are water, carbon dioxide, and ethanol.
- Yeasts do not generate toxins, but at high levels they will lower the energy value of a feed.

Interpretation of Yeast Results Count (CFU/G)

Less than 1,000,000

Less than 4,000,000 –5,000,000

Less than 20,000,000

Greater than 1,000,000

Recommendations

OK for hay, dry corns or grain

OK for corn silage or haylage

OK for HMSC

On fermented feeds may indicate

MOLDS

- The toxins produced by molds are the cause of the performance losses.
- Storage conditions (a poorly packed bunk) or field conditions (wet weather in the fall) can lead to and increase the prevalence of molds.
- There are three main toxin causing genus'; penicillium, asperilligus and fusarium.
- Current toxin analysis indentifies toxins from the fusarium mold family. This includes Vomitoxin, Zearalenone, T-2 and Fumonicin. Aflatoxin is from the asperilligus family.
- Generally Vomitoxin (DON) has been used as an indicator for all toxins.



A & L Canada Laboratories

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Mold Count Feed Recommendation	Recommendations
10 – 10,000	Relatively Safe
10,000 – 100,000	Transition Zone
100,000 – 10,000,000	Caution is advised. Dilute with other feeds, discount energy (x .95) and closely observe animals performance
Over 10,000,000	Feeding may not be recommended

Currently at A&L Canada Labs we have the following Yeast & Mold packages;

Fee Code	Name	Description	Cost
TYM	Total Yeasts & Molds	Yeast & Mold reported separately	\$25
TYMP	Total Yeasts & Molds Plus	Yeast, Mold, absence/presence of penicillium, asperilligus and fusarium Genus	\$45
Please Call	Mold Species Identification	Identify the exact species of mold Example: Aspergillus flavus, Fusarium graminearum	\$125

If you have any questions please contact Ron Piett @ 519 457-2575 ext 250 or rpiett@alcanada.com