
The research on yeast is clear. When formulated properly into dairy rations, you can get more milk, better rumen pH leading to more consistent quality milk production and better overall rumen efficiency. What isn’t clear is which yeast is best and right for your cows.

This guide will provide an overview of how yeast works in the dairy cow and how you can utilize a select strain of yeast from Alltech in your ration as a powerful tool to maximize your productivity.

As one of the most researched yeasts on the planet, Yea-Sacc® from Alltech is proven brand to support profits. And with more selection than ever, you can find the right yeast at the right price to get you the most bang for your buck today.

The Basics:

How does yeast benefit cows?

Rumen Digestion 101

Fact #1: Fiber digesting bacteria hate oxygen.
Fact #2: Live yeast loves oxygen.

End result of yeast… more energy and increased efficiency.
What to look for in a yeast?

Yeast Questions Checklist:

- Will it produce more milk?
- Will milk quality suffer with it?
- Does it boost digestion?
- Will it promote good health?
- Is it backed by research?
- Is it cost effective?

Not all yeasts are the same.

*Yea-Sacc® is different than all other yeasts.*

Yea-Sacc is a live yeast proven to support milk production, a beneficial rumen pH and overall rumen efficiency. As one of the most researched yeasts on the planet, peer reviewed journals conclude:

*...the only yeast product* that has been sufficiently and widely studied to create a database of its effects on rumen fermentation, fiber digestion, growth, and feed efficiency *is the Alltech yeast product Yea-Sacc.*
### What Yea-Sacc is right for you?

Different varieties and formulations to fit your ration with Yea-Sacc:

<table>
<thead>
<tr>
<th>Yeast</th>
<th>When to use it</th>
<th>Inclusion Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yea-Sacc</td>
<td>Use in all diets and seasons of the year for milk production performance.</td>
<td>10 g/h/d</td>
</tr>
<tr>
<td>Yea-Sacc Extra</td>
<td>Use in diets where formulation space may be limited.</td>
<td>3.4 g/h/d</td>
</tr>
<tr>
<td>Yea-Sacc 14G</td>
<td>Use in all diets and seasons of the year for milk production performance with easy inclusion.</td>
<td>14 g/h/d</td>
</tr>
<tr>
<td>Yea-Sacc 8417</td>
<td>Use in higher starch diets. Also beneficial for use in beef cattle rations.</td>
<td>10 g/h/d</td>
</tr>
<tr>
<td>Yea-Sacc OA</td>
<td>Use in organic rations.</td>
<td>10 g/h/d</td>
</tr>
<tr>
<td>Yea-Sacc Farm Pak</td>
<td>Use when adding to on-farm ration.</td>
<td>57 g/h/d</td>
</tr>
<tr>
<td>Yea-Sacc 1026 Aspergillus</td>
<td>Use when desiring additional enzyme activity.</td>
<td>10 g/h/d</td>
</tr>
<tr>
<td>Lacto-Sacc</td>
<td>Use when desiring additional beneficial bacteria.</td>
<td>10-20 g/h/d</td>
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Proven research on Yea-Sacc

What does Yea-Sacc mean for you?

More Milk
Yea-Sacc drove milk production up by 3.9 lbs

Better Rumen Efficiency
Yea-Sacc drove feed efficiency up by 6%

Better Rumen pH
Yea-Sacc supported performance gains

Effect of Yea-Sacc on Milk Production

<table>
<thead>
<tr>
<th>Trial</th>
<th>YEA-SACC</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trial 1</td>
<td>+3.9 lbs</td>
<td></td>
</tr>
<tr>
<td>Trial 2</td>
<td>+6.0 lbs</td>
<td></td>
</tr>
<tr>
<td>Trial 3</td>
<td>+2.7 lbs</td>
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</tbody>
</table>

Source: Hohnenheim, Steingass, 2006

Effect of Yea-Sacc on Feed Efficiency

<table>
<thead>
<tr>
<th>Trial</th>
<th>YEA-SACC</th>
<th>Control</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trial 1</td>
<td>+6.0%</td>
<td></td>
</tr>
<tr>
<td>Trial 2</td>
<td>+6.3%</td>
<td></td>
</tr>
<tr>
<td>Trial 3</td>
<td>+5.1%</td>
<td></td>
</tr>
</tbody>
</table>

Source: Tartu, Kaske, Kasmus, 2007

Effect of Yea-Sacc on Rumen pH

Designed for easy formulation.

We will be with you every step of the way to make sure you get the most out of your ration choices.

Used to benefit your bottom line.

**YEA-SACC**

Thousands of producers globally have seen the benefits of adding Yea-Sacc to their ration. Contact Alltech today to buy the right variety for your operation.

Not sure how?

- Contact your local Alltech Sales Representative
- Visit Alltech.com/yea-sacc
- Message us anytime at dairy@alltech.com