

# THE LINK



DECEMBER 2012

[www.enzymesolutions.com.au](http://www.enzymesolutions.com.au)



## Welcome to another edition of The Link.

On behalf of the team at Enzyme Solutions, I would like to wish all our customers and readers a Happy Christmas and Holiday period.

2012 has been a challenging but successful year for Enzyme Solutions. We have seen the closure of the manufacturing plants of some of our customers with their manufacturing transferring overseas. Despite this, we are constantly buoyed at being able to help new customers develop new or improved processes using enzymes. We have been able to help these companies produce better products at lower cost with improved environmental outcomes.

Our own blending facility has been fully utilised for the first time delivering custom made blends and packs.

We are confident that 2013 will see new products in the cleaning sector and also in fruit processing.

The integration of Danisco and Genencor into Dupont has taken time but is progressing well and we expect to see some new initiatives in 2013.

We look forward to working with you all in 2013 - give us the opportunity to think through new ideas with you to make the changes you need or perhaps haven't even thought possible yet. Our technical team is very strong and committed to your success.

As has become customary for Enzyme Solutions at

Christmas, rather than send out Christmas cards, we and the staff have elected to support a charity by way of a cash donation. This year's charity is the Smith Family Christmas Appeal.

Thank you for your support again. Have a happy Christmas with your family this year.

Best wishes.....

*Geoff Bearzatto*



## Enzyme Solutions® updates its Website

Please take the time to check out the latest news, blogs & products on the Enzyme Solutions® website.

Check out our website to see the wide range of markets in

which Enzyme Solutions® participates with our range of suitably sourced highest quality enzymes.

News & Blogs range from the latest information on Pectinase Production trials to detailed information on a range of Enzyme Solutions® principal enzyme suppliers.

In addition you can access product information. Of course, our team of expert technical sales staff still remain a source of product and

Feel free to pass comments on our blogs & we will endeavour to respond immediately.

Happy surfing!

Barri Trotter  
General Manager

## MISSION STATEMENT

TO DELIVER UNIQUE, INNOVATIVE BIOTECHNOLOGY DERIVED PRODUCTS AND TECHNICAL SERVICES WHICH PROVIDE ENVIRONMENTALLY POSITIVE SOLUTIONS TO CUSTOMER NEEDS

## Christmas Funny...

What do you get if Santa comes down the chimney when the fire is ablaze?

Crisp Kringle!



## Enzymes as Dietary Supplements



If you walk into a health food store and ask for enzymes they will more than likely refer you to their section on Dietary Supplements. Here you will find combinations of enzymes including various proteases, amylases and lipases. These supplementary enzymes may assist the enzymes that are naturally present in your own digestive system to break down protein, starch and fats respectively.

Another trend is to include proteases in high protein formulations to assist in their digestion and absorption.

Enzyme Solutions has available the complete range of dietary enzymes that are approved by Therapeutic Goods Australia (TGA) for use in Complimentary Medicines. [www.tga.gov.au/archive/committees-cmec-resolutions-47.htm](http://www.tga.gov.au/archive/committees-cmec-resolutions-47.htm).

These enzymes are in addition to Papain and Bromelain that are derived from papaya and pineapple and used for this application for many years. See [www.indigestionsymptoms.org/the-health-benefits-of-papain.html](http://www.indigestionsymptoms.org/the-health-benefits-of-papain.html) and [www.bromelain.net/herbal-remedies/bromelain/benefits-of-bromelain](http://www.bromelain.net/herbal-remedies/bromelain/benefits-of-bromelain).

CONTACT US  
TODAY TO  
FIND OUT  
HOW WE  
CAN HELP  
YOU  
OPTIMISE  
YOUR  
PROCESS

## Fish Rendering

**Fish processors can generate significant additional revenue by transforming by-products such as guts, skins, heads, frames and stickwater into products like fertilisers, fish oil, biodiesel, nutritional supplements and animal/fish feeds.**

Secondary processing of by-products can be inefficient. Processors are often unable to extract the full potential from these products. Enzymes however, improve yields and provide superior quality by reducing the time, energy and resources needed to create a

finished product.

As fish rendering operates on low margins we work hard to provide our customers with enzymes that provide maximum efficacy at minimal cost. We examine and consider all the challenges facing fish processors.

Using our own lab facilities, we screen a range of enzymes and conduct experiments until we decide on one or two enzymes that we believe will be most suitable. We then visit our customers at their plant where we conduct extensive production trials. This process ensures we

provide enzymes that are the most suitable in terms of the customer's process parameters.

This hands-on approach means that not only is the enzyme process optimised, but other improvements occur, like higher yields of fish oil, reduced FFA's, decreased stickwater viscosity as well as reduced processing time enabling faster throughput and increased protein digestibility in decanter by-products.

