



CLEAN LABEL CONFERENCE

Sophisticated Solutions for Simplified Labels

October 29-30, 2013 • Hyatt Lodge, Oak Brook, Illinois, USA

2013 Technology Snapshot Presentation

**Clean Up Your Label with Z-Trim Corn Fiber
Process Resistant Corn Fiber**

By: Z-Trim Ingredients



Z-TRIM
INGREDIENTS

Clean Up Your Label with Z Trim Corn Fiber

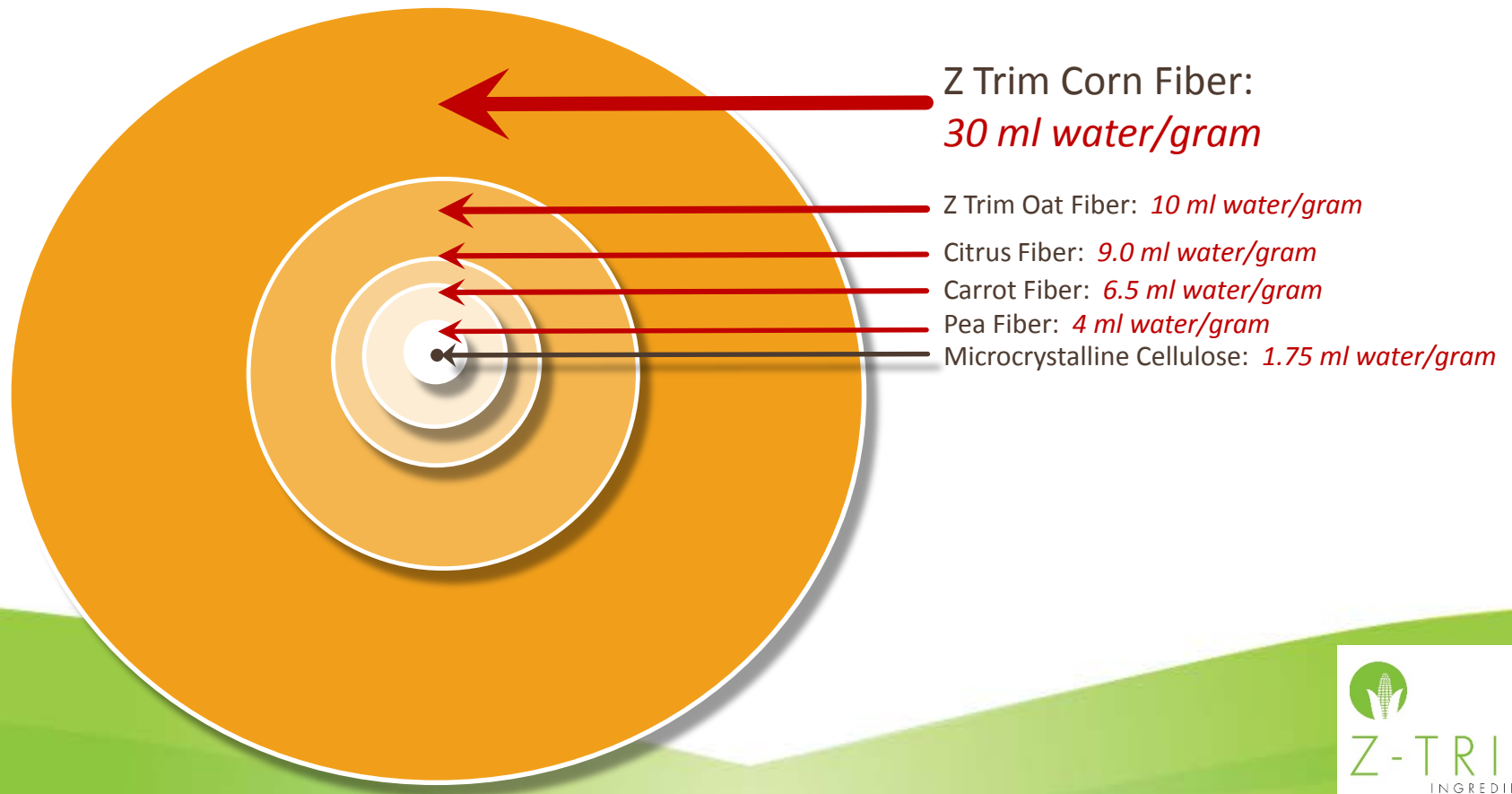
Process Resistant Corn Fiber

Lynda Carroll

VP, Sales and Applications

Z Trim's Unique Properties

Using an exclusive patented technology developed by the USDA, corn bran is transformed into a multi-functional ingredient that holds up to 30 times its own weight in water with hydrocolloid properties.





Distinguishing Properties

- Shear thinning thixotropic
- Viscosifier/emulsifier
- High water holding capacity
- Withstand extreme processing and storage conditions(pH, temperature, and shear)

Benefits of Labeling

- Natural and non GMO available
- Considered an ingredient, not an additive
- Non chemical sounding name
- Fewer total ingredients on an ingredient statement

GRAS Status

Product No.	Product Name	Applications	Usage %	Labeling
ZTC 2000	Corn Z Trim	<ul style="list-style-type: none"> • Bakery • Dressings, sauces, mayo, dips • Dairy 	<ul style="list-style-type: none"> • 0.20-2.0 • 0.25-3.0 • 0.10-3.0 	Corn fiber
CNGN 2000	Non GMO Corn Z Trim	<ul style="list-style-type: none"> • Bakery • Dressings, sauces, mayo, dips • Dairy • Meats 	<ul style="list-style-type: none"> • 0.20-2.0 • 0.25-3.0 • 0.10-3.0 • 0.25-2.0 	Corn fiber In meats, isolated corn product, isolated corn bran product, or corn bran product
ZTCN 2000	Natural Corn Z Trim	<ul style="list-style-type: none"> • Bakery • Dressings, sauces, mayo, dips • Dairy • Meats 	<ul style="list-style-type: none"> • 0.20-2.0 • 0.25-3.0 • 0.10-3.0 • 0.25-2.0 	Corn fiber In meats, isolated corn product, isolated corn bran product, or corn bran product
ZTO 2000	Oat Z Trim	<ul style="list-style-type: none"> • Bakery • Meats 	<ul style="list-style-type: none"> • 0.20-2.5 • 0.25-2.0 	Oat fiber In meats, isolated oat product

Delivering a variety of functional, nutritional, and economical advantages

Application Examples	Function	Benefits & Attributes
<ul style="list-style-type: none">• Beef Patties• Turkey Burger• Processed Meats	Extended Yield / Bind Oil and Water	<ul style="list-style-type: none">• Juiciness• Less purge• Less shrinkage
<ul style="list-style-type: none">• Breaded Chicken• Sweet Potato Fries• Appetizers	Oil Deflection in Breaded Fried Foods	<ul style="list-style-type: none">• Lower oil uptake• Lower fat & calories• Reduce blowouts
<ul style="list-style-type: none">• Dressings/Sauce/Mayo• Dairy Products• Biscuits / Muffins	Replace Oils / Fats	<ul style="list-style-type: none">• More stable emulsion• Smooth mouthfeel• Control syneresis

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Application Examples	Function	Benefits & Attributes
<ul style="list-style-type: none">• Pizza Crust• Frozen Meals• Bakery Products	Moisture Control	<ul style="list-style-type: none">• Limits moisture migration• Slows staling• Improves structure
<ul style="list-style-type: none">• Soups• Fillings• Dips	Thickener	<ul style="list-style-type: none">• Improves texture• No retrogradation• More cohesive sauces
<ul style="list-style-type: none">• Frozen Entrees• Handheld Snacks• Ice Cream	Improve Freeze/Thaw Stability	<ul style="list-style-type: none">• Control syneresis• Limit ice crystals• Improves texture



Z-TRIM
INGREDIENTS

Explore the potential Z-Trim holds for your formulation



The information contained herein is, to the best of our knowledge, correct. The data outlined and the statements made are intended only as a source of information. We may suggest technical solutions for incorporating our ingredients into products, however it is ultimately the user's responsibility to both comply with appropriate government standards and requirements, and to make an independent determination as to whether the product is of acceptable quality and suitability for their particular purpose. No warranties, expressed or implied, are made. Nothing contained herein shall be construed as permission for violation of patent rights. Z-Trim is a registered trademark of Z-Trim Holdings, Inc. All rights reserved.