



21st Century Grain Processing® is dedicated to providing the very best grain ingredients for your next project. With more than 30 years of industry expertise, we have developed the integrated milling and processing technologies to exceed your expectations for custom ingredients—just the way you like it.



## Oats, Custom Coated Whole Grains & Clusters

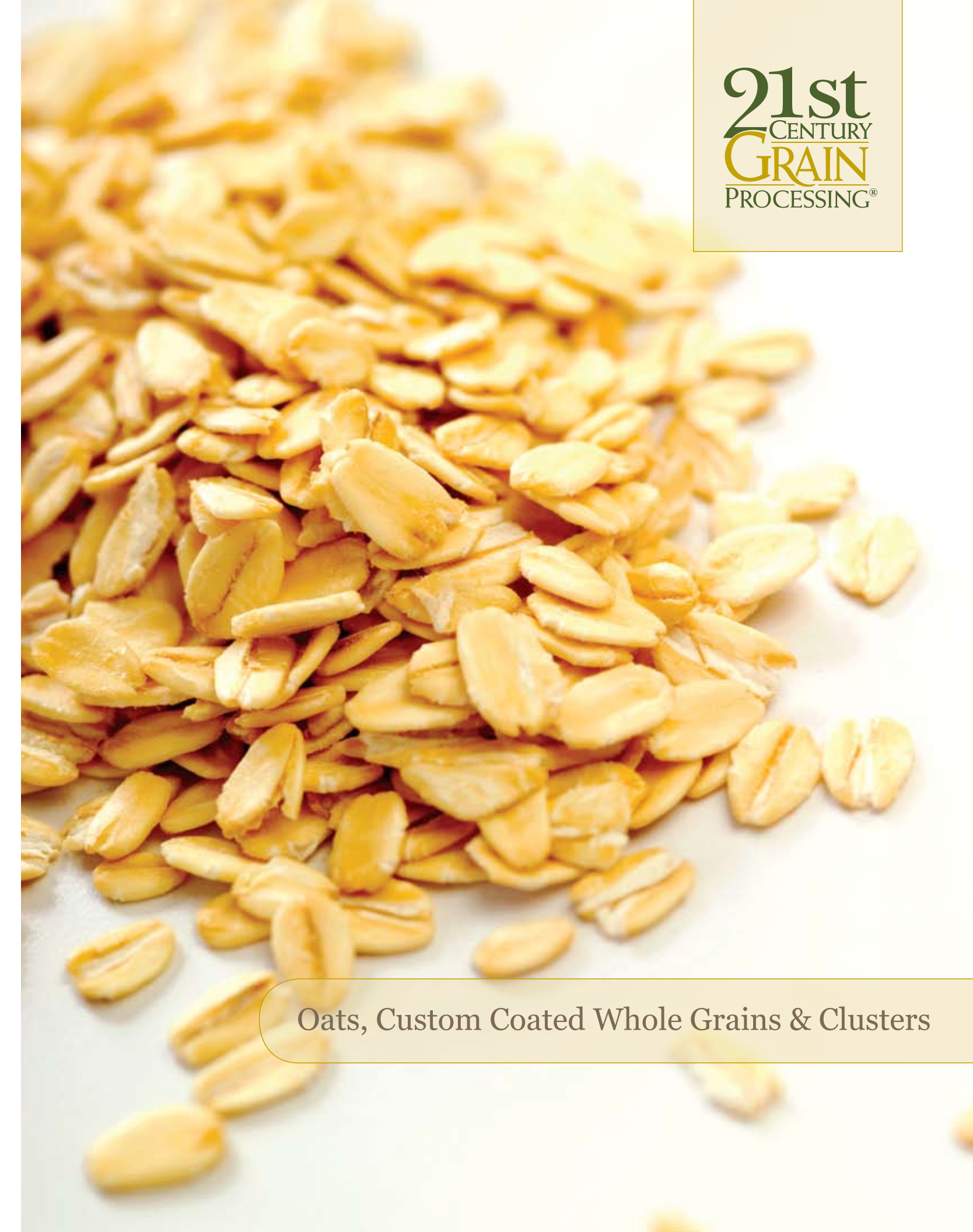
21st Century Grain Processing offers an ever expanding line of oat, cluster and custom coated grain products to meet the requirements of our customers.

| PRODUCTS  | SAMPLE APPLICATIONS |             |                          |             |                        |                  |                        |                          |                              |               |                     |         |          |                |
|---|---------------------|-------------|--------------------------|-------------|------------------------|------------------|------------------------|--------------------------|------------------------------|---------------|---------------------|---------|----------|----------------|
|   | Hot Cereals         | RTE Cereals | Baked Chewy Granola Bars | Energy Bars | Multi-Component Blends | Snacks/Trail Mix | Meat & Spice Extenders | Confectionery Inclusions | Yogurt/Dairy Texture Nuggets | Breads & Buns | Cakes & Sweet Goods | Cookies | Crackers | Nutraceuticals |
| Whole Grain Clusters  | •                   | •           |                          |             | •                      | •                |                        | •                        | •                            |               |                     |         |          | •              |
| Coated Grains   | •                   | •           | •                        | •           | •                      | •                | •                      | •                        | •                            | •             | •                   | •       | •        | •              |
| Custom Coated Whole Grains  | •                   | •           | •                        | •           | •                      | •                |                        | •                        | •                            | •             | •                   | •       | •        | •              |
| Custom Coated Specialty Cut Grains  |                     |             | •                        | •           | •                      | •                |                        | •                        | •                            | •             | •                   | •       | •        | •              |
| Coated Grains with Protein, Fiber, Targeted Nutrition & Energy Enhancements |                     | •           |                          | •           | •                      | •                |                        | •                        | •                            | •             | •                   | •       | •        | •              |
| Coated Grains with Alternate Textures                                       |                     |             |                          |             | •                      | •                |                        | •                        | •                            | •             | •                   |         |          | •              |
| Quick Oat Flakes  | •                   |             | •                        | •           |                        |                  | •                      |                          |                              |               | •                   | •       | •        |                |
| Specialty Oat Flakes  | •                   |             | •                        | •           |                        |                  | •                      |                          |                              |               | •                   | •       | •        |                |
| Milled Oat Flakes   | •                   | •           | •                        | •           |                        |                  | •                      |                          |                              | •             | •                   | •       | •        |                |
| Rolled Oats #4, #5, #6  | •                   | •           | •                        | •           |                        |                  |                        |                          |                              | •             | •                   | •       | •        | •              |
| Oat Groats  | •                   |             |                          |             |                        |                  |                        |                          |                              | •             |                     |         |          |                |
| Steel Cut Groats  | •                   |             |                          |             |                        |                  |                        |                          |                              |               |                     |         | •        |                |
| Oat Flour   |                     | •           | •                        | •           |                        | •                | •                      |                          |                              |               | •                   | •       | •        | •              |

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Custom Ingredients.®  
 Innovative Ideas.



Oats, Custom Coated Whole Grains & Clusters

# We bring more than ingredients. We bring ideas.

We provide creative solutions for customized product applications targeted to consumer appeal. **Custom Ingredients—Innovative Ideas®**... it's our promise to you and we make good on it everyday.



## Oats

As one of North America's largest processors of oats, we provide unique industry leading expertise. When it comes to quality oats, we respond to your needs quickly and efficiently, providing what you need precisely when you need it. We offer a full line of oat products to meet and exceed your consumers' expectations.

Oat products are the ultimate whole grain as no macro or micro ingredients are removed during the milling process.

### MILLED OAT PRODUCT BENEFITS

- Healthy amounts of high quality protein
- High total dietary fiber
- Soluble fiber (beta glucans)
- Micro nutrients including the basic B vitamins found in cereal grains and Vitamin E
- Hearty, whole grain benefits
- Proven to reduce cholesterol and increase heart health
- Wholesome, natural, traditional
- Prebiotic

### ATTRIBUTES OF OATS

- Bland flavor
- Readily adaptable to coating systems
- Quick flavor release for added ingredients or flavors
- Easily adaptive in flake thickness water absorption
- Capabilities allow bulking functionality in applications

### MILL CAPABILITIES & BENEFITS

- Destination mill provides ability to source wide origination base
- Central US location
- AIB Superior Quality Rating
- Competitive pricing
- Capacity to store 6 months prior to process
- Recommended Storage: 6 - 18 months under controlled atmospheric conditions

### PRODUCT OFFERINGS

- Quick & Specialty Oat Flakes
- Steel Cut Groats
- Milled Oat Flakes
- Oat Groats
- Rolled Oats
- Oat Flour

### PACKAGING

50 lb bags, totes or bulk

## Custom Coated Whole Grains

Creative solutions to new product applications begin with custom coated grains. Our value added flaked and expanded whole grain based ingredients are designed to be an integral component in your products. They are specially formulated to enhance appearance, taste, texture and nutritional needs.

We start with whole grain oat flakes and consider the alternatives of other whole grains. Then we add a custom designed coating to meet your appearance, flavor, texture and nutritional specifications. We can mix in complementary flavor, vitamin, fiber, or mineral enhancements to build a targeted ingredient declaration or nutritional statement. When you stir in our assurance of quality and consistency, you can watch your innovative new concept become reality.

### CUSTOM COATED WHOLE GRAIN BENEFITS

- Nutty flavor
- Variable texture in applications
- Excellent substrate for flavor components and delivery
- Enhanced appearance, taste and quality grains
- Naturally high nutritional value

### CUSTOM OPTIONS

- Variable particle sizes
- Your own formula
- Enhanced shelf life
- Organic or conventional formula
- Kosher/kosher dairy

### CUSTOM COATED GRAIN COMBINATION OPTIONS

- Alternate grain flakes to generate a multigrain flavor and texture identity
- Wheat/Rye/Barley/Expanded Grains/Spelt/Rice/Soy Ancient Grains, Buckwheat
- Whole, chopped, sliced and crushed nuts and seeds to increase textural and sensory attributes
- Whole food neutraceuticals (phytosterols, omega 3) to fortify and enhance health benefits
- Custom flavors from sweet to savory
- Nutritional fortification
- Variable particle sizes

### RECOMMENDED STORAGE

75 deg. F 50 RH

### PACKAGING

Polylined bags, boxes and totes (weight varies based on density)



*Custom coated grains!*

### Sample Custom Coated Grain Applications



Coated Oat Ice Cream Topping



Custom Coated Oats for Granola Bars



Raspberry Flavored Coated Oat Topping



## Custom Whole Grain Clusters

Clusters may include expanded grains (crisp rice and other expanded grain bases) to lighten the texture and contribute bulk to the application. Whole grain based cluster products may be considered a unique way to include sources of enhanced protein, fiber and nutrition.

If you are searching for an innovative solution for your product application, let our highly skilled technical team custom formulate a cereal cluster to meet your consumer appeal. Start with a custom designed base and let your imagination run wild with whole grain oat, wheat and barley flakes or other inclusions like extruded particulates and even nuts or fruits of your choice. Add a sweet or savory custom coating, mix in texture selections and flavor enhancements to deliver your fresh new idea. If building a unique new label or nutritional statement is your market target, let us design your next ingredient solution.

### GRAIN BASED CLUSTER BENEFITS

- Practical delivery system
- Crunchy texture and appearance
- Enhanced shelf life
- Concentrated flavor bursts
- Targeted ingredient labeling
- Custom formulas designed to meet specific project needs

### GRAIN BASED CLUSTER ATTRIBUTES

- Variable particle sizes
- Organic or conventional
- Natural, functional, ready to eat
- Clean, crisp, light texture
- Kosher/kosher dairy
- Whole grain goodness



*What a cluster!*

### CLUSTER ENHANCEMENT OPTIONS

- Probiotics or prebiotics
- Reactionary natural flavors
- Custom flavoring from sweet to savory
- Multiple whole and specialty grains
- High gloss or natural colors
- Variable sweetener profiles
- Nutrition fortification with vitamins, minerals and proteins

### RECOMMENDED STORAGE

75 deg. F 50 RH

### PACKAGING

Polylined bags, boxes and totes (weight varies based on density)

### GENERAL BENEFITS OF PLANT

- New, state-of-the-art facility
- Multiple lines for coating and clusters
- Shipping via truck or rail
- Central US location
- Kosher/kosher dairy

### Sample Cluster Applications



Granola Oat Clusters with Whole Grain Oats



Banana Nut Granola Trail Mix with Whole Grain Coated Oats



Whole Grain Cluster Yogurt Topping



Whole Grain Cluster Cereal