

# **UPCYCLING:**

# INNOVATION & PRODUCT DEVELOPMENT WITH UPCYCLED INGREDIENTS



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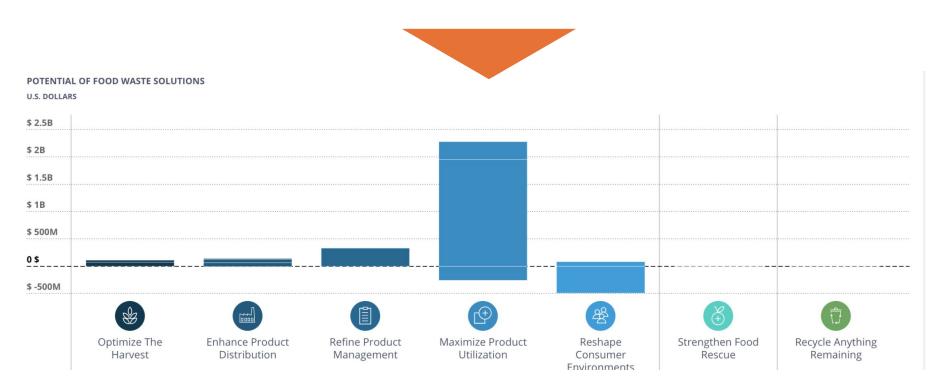
MADDISON GURROLA Mattson Food Technologist

# **UPCYCLED FOOD**

uses ingredients that otherwise would not have gone to human consumption, and their utilization has a positive impact on the environment.



## Annual Net \$ Benefit Potential of Food Waste Solutions

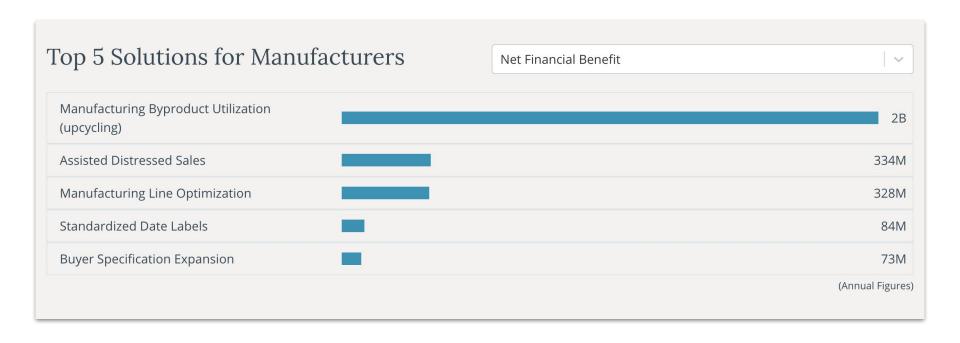


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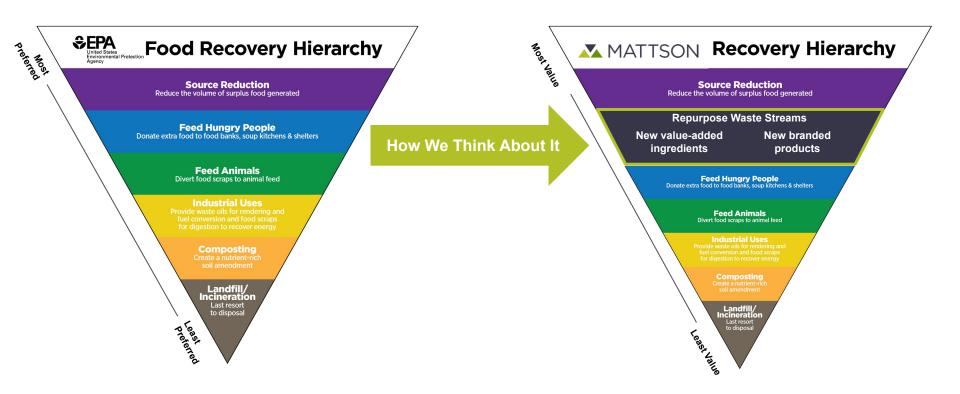
## Annual Net \$ Benefit Potential of Food Waste Solutions







#### FOOD RECOVERY HIERARCHY





#### **METHODOLOGY**

# Mattson longitudinal study to understand consumers' perceptions of Food Waste and Upcycled Food.



Online Survey completed by a "gen pop" national panel

Respondents **N=507** 

Fielded February, 2021

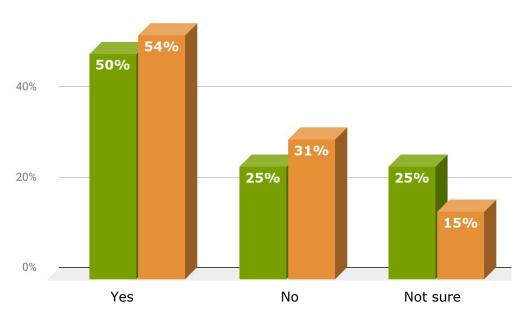


#### CONSUMER AWARENESS

#### Are you familiar with the....

food waste prevention movement

term "upcycling"





Versus 2019, slight uptick in the number of consumers who recognize the term UPCYCLING.

Also slight uptick in those who are aware of the food waste prevention movement



## Q: Food waste as an issue in the United States is...





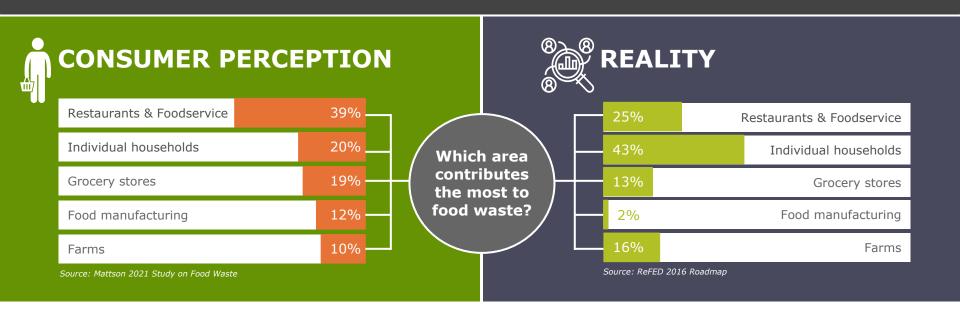
## Q: How much do you agree with these statements...





#### THE CONSUMER DISCONNECT ...

95% of consumers think it's important to do their part to reduce food waste, however they don't realize they are the largest cause of food waste.





# Almost everyone we surveyed plans to **buy more** upcycled food/beverage products **in the next year.**

57% BUY MORE37% BUY ABOUT THE SAME0% BUY FEWER6% DO NOT PLAN TO BUY

Between 2019-2021, MORE people say they will buy MORE upcycled products in the next year.







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#### **MATTSON**

1st Associate Member of the UFA





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## Historic

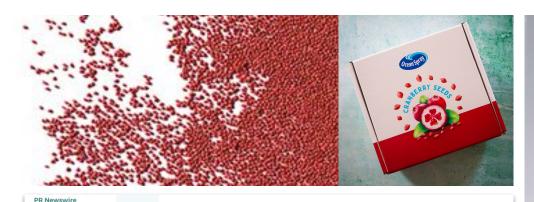
## **Cheese-making + Soymilk waste**







## Recent Launches **Cranberry Seeds**



Policy & Public Interest News in Focus Business & Money Science & Tech Lifestyle & Health People & Culture

Ocean Spray Launches Cranberry Seeds, an Upcycled Ingredient with Powerful Nutritional Benefits and a Clean Label



Cranberry seeds are part of Ocean Spray's commitment to food innovation and health and wellness, and can help support heart, digestive, immune, and cognitive function as part of a healthy diet.





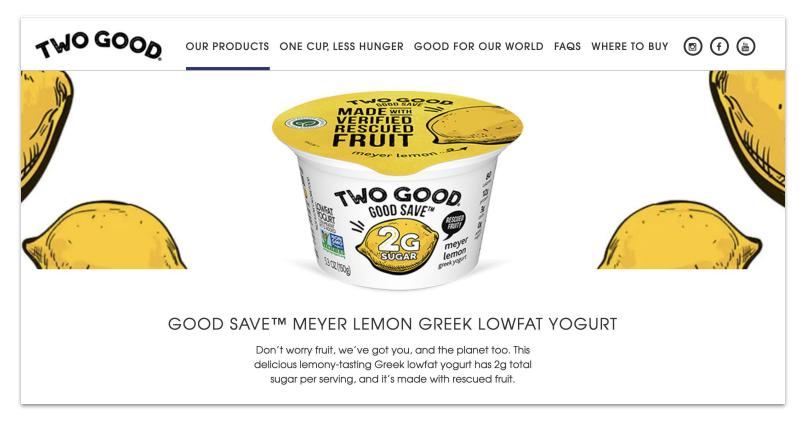


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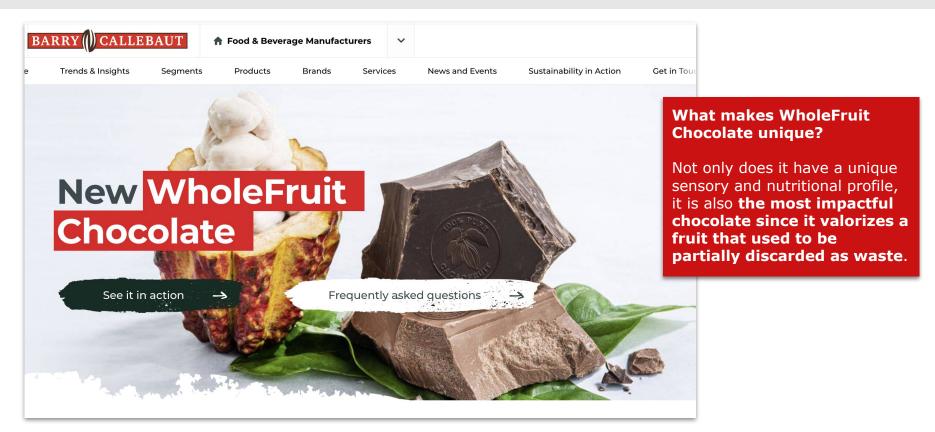
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#### Recent Launches

### **Callebaut Whole Fruit Chocolate**





# SNACKING WITH AN UPSIDE

GREAT TASTE, LESS WASTE,\*



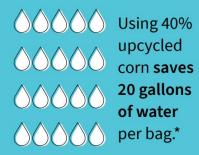
BENEFITS FROM UPCYCLED CORN INGREDIENTS

REDUCED WATER FOOTPRINT • LESS WASTE • INCREASED FIBER

### **MATTSON**

#### **UPCYCLED FOODS DEFINED**

Products, prepared for humans, with traceable ingredients that otherwise go to waste or animal feed.



We've mashed snacking, nutrition and waste reduction into one remarkable, patent pending corn tortilla chip. We discovered a way to upcycle the most nutrient dense part of corn, corn germ, into our chip.

Now, that's worth celebrating.

Thank you.















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