

# 2018 Sustainability Update



*Making Life Better Through Sustainability*



Ingredion is a **Fortune 500** global ingredient solutions company with 2018 net sales of **\$5.8 billion**.

We are a leading global ingredient solutions provider. Headquartered outside Chicago, Illinois, we serve more than 60 diverse sectors in the food, beverage, animal nutrition, brewing and other industries.

**Our Purpose**

**We bring the potential of people, nature and technology together to create ingredient solutions that make life better.**

approximately  
**11,000**  
employees

customers in more than  
**120**  
countries

more than  
**1,000**  
ingredient solutions

**Our Values**

Launched in 2018, our refreshed company values describe the commitments that define our character. The values are being assimilated within our global organization to strengthen the employee experience and support our business.

**CARE FIRST.** We actively work to safeguard and enable the well-being of our people, the quality of our products, and our reputation for trust and integrity.

**BE PREFERRED.** We earn the right to be customer-preferred by delivering mutual enduring value at every touchpoint of the customer experience.

**EVERYONE BELONGS.** We embrace diversity and proactively foster an inclusive work environment where each person is valued and feels inspired to contribute their best.

**INNOVATE BOLDLY.** We courageously strive for breakthrough innovations driven by our relentless curiosity, bold thinking, speed of decision-making, and agile execution.

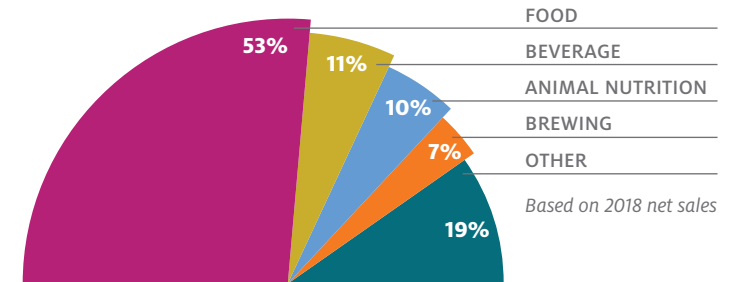
**OWNER'S MINDSET.** We think and act like owners — where everyone takes personal responsibility to anticipate challenges, proactively search for opportunities and make decisions that are in the best interest of the company.

**Ingredients**

We provide on-trend ingredient solutions to help our customers meet rapidly evolving consumer demands. Our starches, sweeteners, gums, biomaterials and specialty ingredients address key consumer trends in health and nutrition, clean and simple labels, texture and sensory appeal, convenience and affordability.

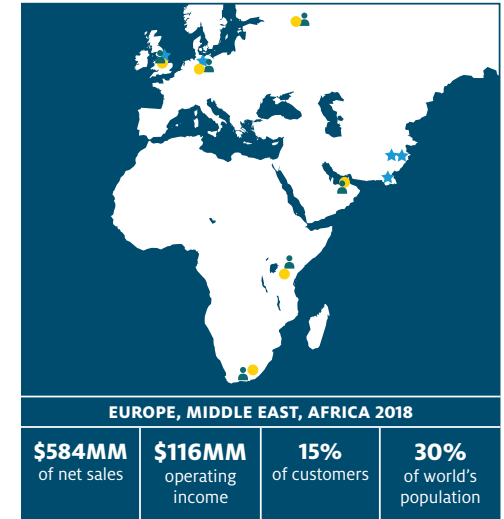
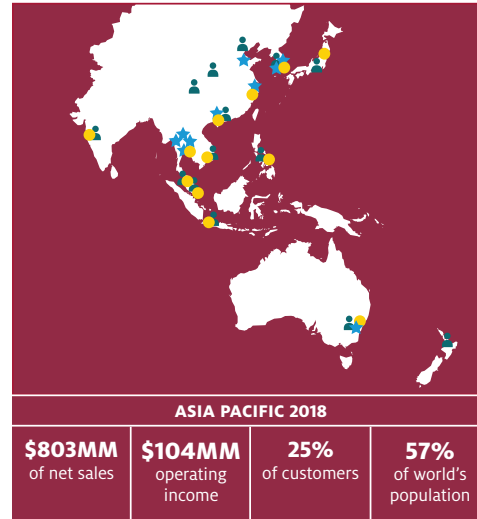
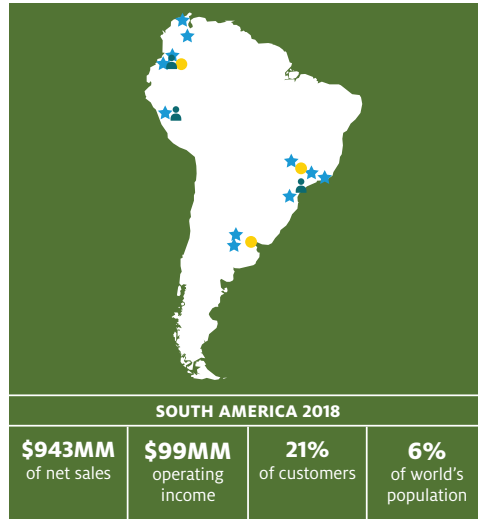
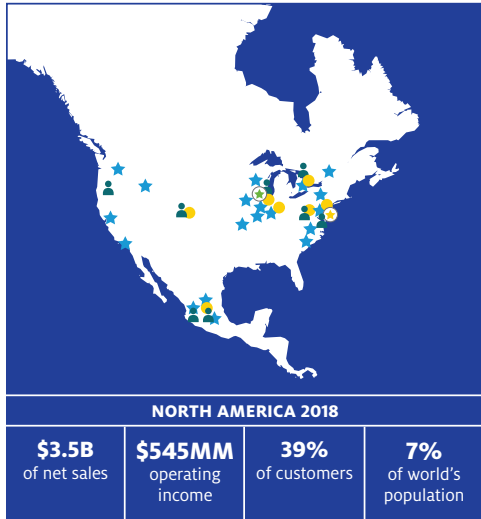
**Innovation**

Ingredion and innovation are synonymous. We turn ideas into science-based solutions for customers through an expanding portfolio of starches, sweeteners, nutritional ingredients, natural concentrates, fibers and pulse proteins.



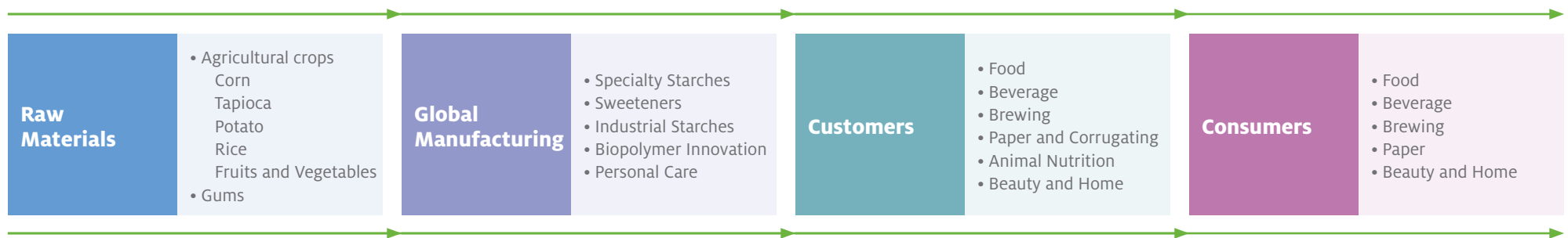
# Global Presence

★ Company Headquarters  
 ★ Production Facility  
 ★ Ingredion Idea Labs® Headquarters  
 ● Ingredion Idea Labs® Innovation Center  
 ● Sales/Representative Office



# Ingredion Value Chain

Our value chain extends from the sourcing of agricultural and other raw materials to our global manufacturing network, and on to our customers who make food, beverages, paper, personal care products and more for consumers around the world.



*“Sustainability guides the way we do business and is essential to our planet and the communities where we operate.”*



## To Our Customers, Shareholders, Employees and Neighbors:

Sustainability at Ingredion is essential for the long-term growth and health of our business. This report commemorates our eighth Sustainability Update reflecting our commitment to our people, the individuals with whom we do business, the communities in which we operate and the planet we all share. It outlines our sustainability vision and the goals we are pursuing, and the belief that business has a vital role to play in creating a sustainable future for years to come. We have made significant progress against our 2020 goals, but we know that we must continue to establish new milestones to continually drive progress, which is why we are busy working on new 2030 sustainability targets.

It has been a year of progress on many fronts, and this report highlights some of the 2018 activities in our much broader sustainability journey — enhancing the transparency and sustainability of our supply chain, creating new programs to drive performance, continuing to collaborate with stakeholders, and launching refreshed values and a new purpose. I am proud of the progress we have made on these fronts as well as the early achievement of our carbon emission reduction and sustainable sourcing targets. It is critical to our success that we

operate sustainably as we strive to be the Company of Choice for a Sustainable Tomorrow for our employees, customers, neighbors and investors.

Because consumers are at the heart of our business, everything we do starts with our passion for providing on-trend, high-quality ingredients. Now, more than ever, our customers, stakeholders and consumers expect more from us. Our stakeholders rightfully expect us to be transparent about our progress against goals, as well as our business practices. Our sustainability efforts have always been strengthened by open dialogue with many stakeholders. The diverse outside perspectives that we cultivate will continue to help shape and influence our actions and how we implement initiatives around the world. It is important that our efforts not only bring value to Ingredion, but also lead to measurable and meaningful improvements in the communities in which we operate.

The safety and health of our employees continue to be at the top of my list of priorities. Our safety programs continue to facilitate safe performance and work environments, and in 2018 we exceeded our internal annual safety goals for employees and contractors and registered our

second-best performance ever. On a daily basis, we are committed to providing our employees with a safe and secure workplace as we strive to achieve zero injuries.

In 2018, Ingredion celebrated our 10th consecutive year on Fortune’s list of the World’s Most Admired Companies, our sixth consecutive year on Ethisphere’s list of the World’s Most Ethical Companies and our second consecutive year on Bloomberg’s Gender-Equality Index. These acknowledgements serve as important markers of our progress. We are committed to operating with integrity and maintaining high ethical standards everywhere we do business. Likewise, we are committed to the principles of the United Nations Global Compact, and use this update as an opportunity to communicate our progress.

We continue to focus on our themes of health and education. We do this with continued support from organizations such as The Global FoodBanking Network, as we proudly enter our seventh year of collaboration. And finally, in response to shifting consumer trends, we made great strides to sharply align our specialties strategy toward future growth opportunities, underpinned by significant investments and supported by a new core purpose and

contemporized values. I have a tremendous passion for building a diverse and inclusive organization that attracts and develops great talent and operates within a high-performance, purpose-driven team culture.

As we embark on the next chapter of our sustainability journey, we will continue to add rigor and discipline to our future plans, goals and approaches, while simultaneously challenging ourselves to fulfill our purpose of bringing together the potential of people, nature and technology to create ingredient solutions that make life better. I am truly energized about what is possible in the future.

Sincerely,

**James P. Zallie**  
President and Chief Executive Officer  
April 22, 2018



The United Nations Sustainable Development Goals (SDGs) outline the global 2030 Agenda for Sustainable Development. The SDGs call for all countries to promote prosperity while protecting the planet. The SDGs outline 17 Goals for making the world more sustainable, with a focus on topics such as eliminating poverty, promoting gender equality and taking action to mitigate climate change. The Goals recognize that ending poverty must go hand-in-hand with strategies that build economic growth and address a range of social needs including education, health, social protection and job opportunities while tackling environmental protection. We are working to further align our efforts with the SDGs, as demonstrated in our summary of progress on the next page.



See a summary of our progress on the next page.

Focal Area	Company Target Goal	Actual	SDG Alignment
 GOVERNANCE, INTEGRITY & TRUST	<ul style="list-style-type: none"> <li>Report on the business-relevant elements of the Global Reporting Initiative (GRI) by the end of 2017</li> </ul>	<ul style="list-style-type: none"> <li>GRI Index Reported</li> </ul>	  
 SAFETY & HEALTH	<ul style="list-style-type: none"> <li>Achieve employee Total Recordable Incidence Rate (TRIR) of 0.20 by 2020</li> </ul>	<ul style="list-style-type: none"> <li>0.26*</li> </ul>	
 SOCIAL ACCOUNTABILITY	<ul style="list-style-type: none"> <li>100% of our manufacturing sites have SMETA audits by the end of 2016</li> <li>100% of our key suppliers are registered in Sedex and have SMETA audits by the end of 2017</li> </ul>	<ul style="list-style-type: none"> <li>95%</li> <li>66%</li> </ul>	  
 ENVIRONMENTAL CONSERVATION	<ul style="list-style-type: none"> <li>Reduce carbon emission intensity 10% by the end of 2020 (versus 2010 baseline)</li> <li>Reduce water use intensity 10% by the end of 2020 (versus 2010 baseline)</li> </ul>	<ul style="list-style-type: none"> <li>-9.5%</li> <li>-10.1%</li> </ul>	 
 OPERATIONAL EXCELLENCE	<ul style="list-style-type: none"> <li>All sites Global Food Safety Initiative (GFSI) certified for pathogen testing by the end of 2017</li> <li>100% of microbiological labs ISO 17025 certified for pathogen testing by end of 2017</li> <li>80% of all employees trained in Lean Six Sigma (LSS) by the end of 2018</li> </ul>	<ul style="list-style-type: none"> <li>100%**</li> <li>81%</li> <li>79%</li> </ul>	 
 SUSTAINABLE SOURCING	<ul style="list-style-type: none"> <li>Sustainably source 1 million metric tons of crops by the end of 2018</li> </ul>	<ul style="list-style-type: none"> <li>2,170,000</li> </ul>	   
 INNOVATION	<ul style="list-style-type: none"> <li>100% of new innovation platforms assessed for sustainability considerations by the end of 2018</li> </ul>	<ul style="list-style-type: none"> <li>100%</li> </ul>	 
 COMMUNITY ENGAGEMENT	<ul style="list-style-type: none"> <li>Triple our engagements in food bank-related activity by 2020</li> </ul>	<ul style="list-style-type: none"> <li>680%***</li> </ul>	  

\* Exclusive of recent acquisitions: Sun Flour and Huanong.  
 \*\* Exclusive of Huanong acquisition.  
 \*\*\* Goal completed in 2017.

# Materiality Matrix

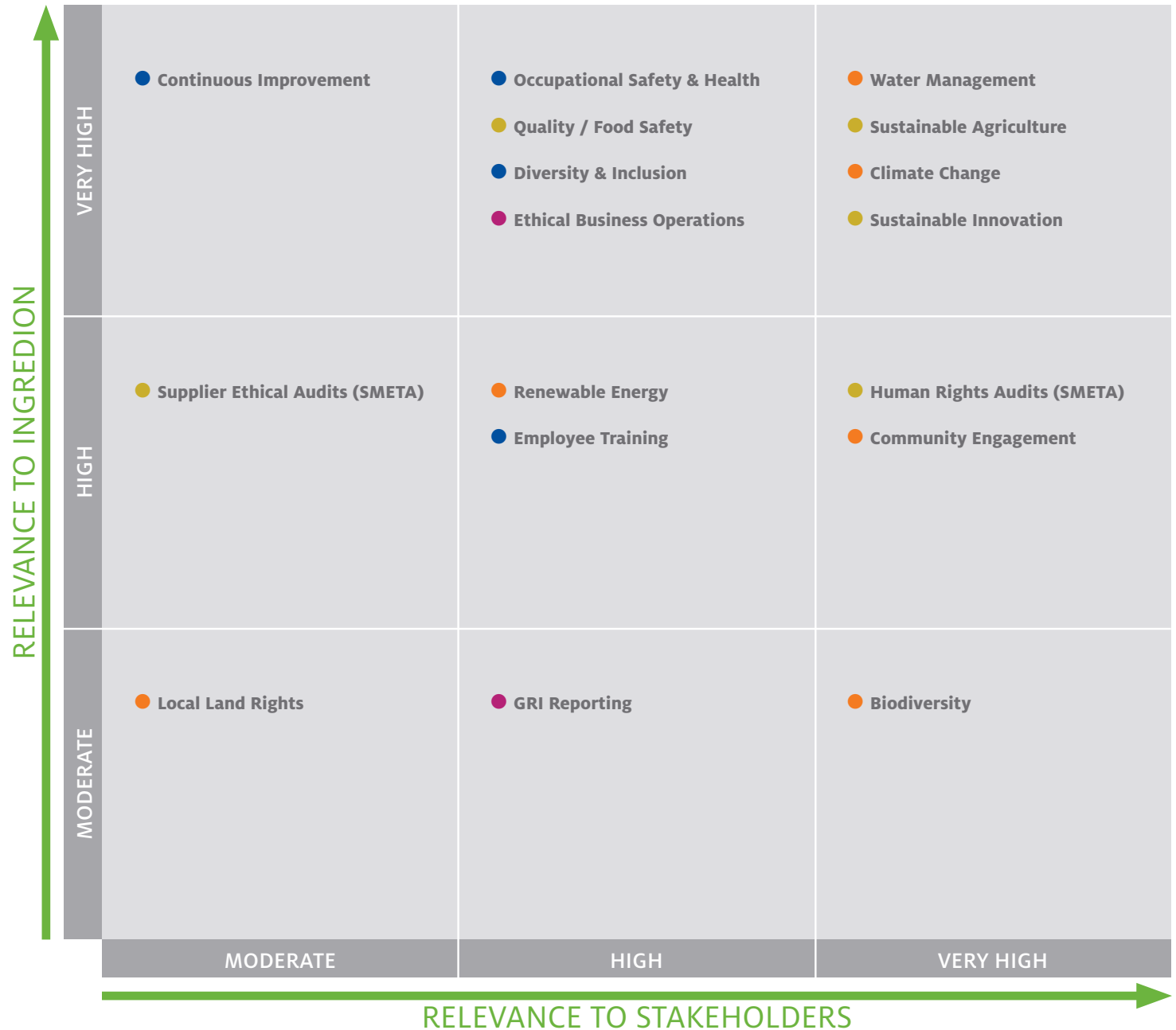
## Ingredion Sustainability Materiality Matrix

In addition to our efforts to incorporate key stakeholder views into our materiality matrix, Ingredion has also referenced the Social Accountability Standards Board (SASB) Materiality Matrix to determine additional considerations. “Developing and continually updating a Sustainability Matrix helps us prioritize items that will deliver shared value to both Ingredion and our stakeholders,” says Brian Nash, senior director of sustainability.

## Engaging our Stakeholders

Ingredion continues to engage our stakeholders in dialogue around sustainability topics that are important to them and how those topics might align with our current efforts. These topics also helped inform efforts such as our materiality matrix. In 2018, we met with a variety of stakeholders, including customers, investors, suppliers, NGOs and community members. “At the heart of our sustainability agenda is the belief that our efforts should provide shared value with our stakeholders,” says Larry Fernandes, senior vice president, chief commercial and sustainability officer. Ingredion believes engagement with our stakeholders is critical to our success.

- **Better for our employees**
- **Better for our customers**
- **Better for our communities**
- **Better for our shareholders**



Employer of Choice

# BETTER FOR OUR EMPLOYEES



**GOAL:** Achieve a Total Recordable Incidence Rate of **0.20** by end of 2020

**2018 Actual: 0.26**



SAFETY & HEALTH

## 2018 Safety Performance

In 2018, Ingredion was pleased to achieve our second-best employee safety performance. While we started off the year with a slightly higher number of injuries, improved performance from July through December helped deliver overall improvement in results. Our 2018 Lost Time Incidence Rate was 0.09. While this was slightly higher than our aspirations, we did see an overall 10% reduction in lost workday rate. This shows that progress was made in both reducing injury severity, as well as managing employees back to work. We are pleased that our efforts continue to drive year-on-year progress toward our 2020 targets.

## Continuing Excellence in Safety

Following are highlights from our 2018 safety performance:

- Guadalajara celebrates 11 years without a Lost Time Case
- Ingredion Japan celebrates 16 years without a Lost Time Case;
- Kalasin, Thailand, site wins 2018 Outstanding Workplace Safety, Occupational Health and Working Environment award

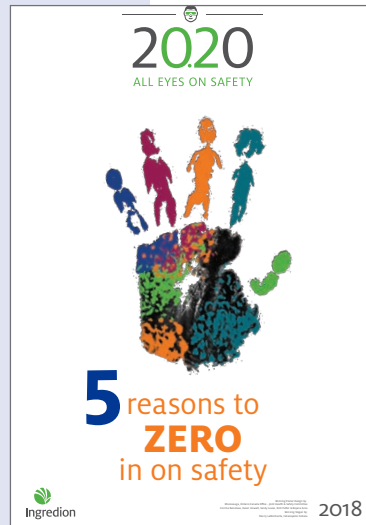
## Mid-Year Safety Campaign

Once again, Ingredion engaged in a mid-year safety campaign aimed at putting additional emphasis on safety and reducing the statistical rise in injuries that has historically occurred in the mid-year months. This campaign was a success, resulting in our second-best mid-year safety results (behind 2017). The mid-year campaign was followed up with a “Line of Fire” campaign to further drive safety excellence.



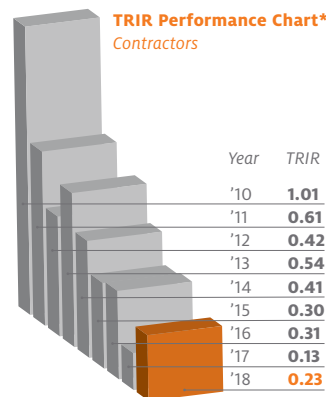
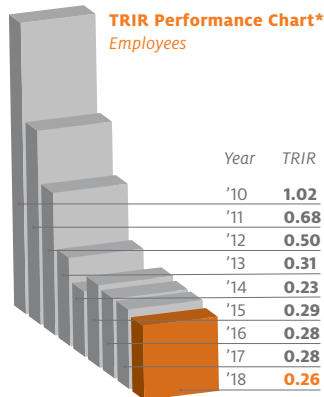
**2018 Safety Poster Contest**

For the past several years, Ingredion has held an annual contest for our employees around the world to design a safety poster that will be displayed in Ingredion’s global facilities. The winning poster serves as a reminder of our deep commitment to the safety of our employees and those with whom we do business. In 2018, the winner came from the Joint Health and Safety Committee in our Mississauga, Canada, office. The winning selection, chosen from more than 175 global entries, places awareness on hand safety and highlights that people are the most important reason to work safely at all times.



*“Ingredion is committed to ensuring the safety of our employees, our communities and the environment. In 2018, we were pleased to exceed our internal safety goals for both employees and contractors and registered our second-best performance ever.”*

– Ron McCrimmond  
Vice President,  
Environment, Health, Safety and Security



\* New acquisitions are incorporated into safety statistics after the first full calendar year with the company. 2018 results for employees do not include acquisitions of Sun Flour and Huanong.

**21.2**

Average number of **EHS training hours** per employee within the organization

*In 2018, we conducted **233,778 hours** of Environmental, Health and Safety training across the organization. That is an average of 21.2 hours per employee, and represents a **4% increase** from 2017 average training hours.*

**North Charleston Plant Wins Safety Award**

Ingredion’s North Charleston, USA, plant received a safety award from the South Carolina Manufacturers Alliance, recognizing it for exceptional workplace safety performance in 2018.



*Members of Ingredion’s North Charleston plant receive a safety award from Emily Farr, director of the South Carolina Department of Labor, Licensing, and Regulation.*

## DIVERSITY & INCLUSION

### Expanding Our Business Resource Groups (BRGs)

In 2017, Ingredion launched two business resource groups (BRGs) aimed at supporting diversity and inclusion across the organization. ABLE – the Alliance of Black Employees – and WIN – the Women of Ingredion Network – provide platforms to help promote gender and racial equality. Since then, 11 new chapters of ABLE and WIN have launched across Ingredion, furthering these efforts.

- INSPIRE – Ingredion’s Network for Supporting Intercultural Relations and Exchange;
- NEXt – Ingredion’s Network of Early Talent; and
- PRIDE at Ingredion – a network for LGBTQ+ employees and allies.

We believe that these BRGs will help provide a rewarding experience for all employees and enable them to meet their goals. These groups make Ingredion a magnet for extraordinary talent that will better enable us to deliver on performance objectives for the company and provide a better experience for our customers.



### Advancing Women in Leadership

Elizabeth Adefoye, senior vice president and chief human resources officer, was featured in the Women Worth Watching issue of *Profiles in Diversity Journal*. *Profiles in Diversity Journal* promotes and advances diversity and inclusion in the corporate, government, nonprofit, higher education and military sectors.

*“Championing diversity and inclusion is a global priority for Ingredion, and being included in the Bloomberg Gender-Equality Index is an important marker on the progress of our journey.”*

– Jim Zallie  
President and Chief Executive Officer

### NAMWOLF

In 2018, Ingredion more than doubled our 2017 spend with the National Association of Minority and Women Owned Law Firms (NAMWOLF). While this support represents a small percentage of our overall spend, it helps emphasize the overall direction the company is taking to help promote diversity inside and outside our organization.

## TRAINING & DEVELOPMENT

**GOAL:** Train **80%** of global employees in Lean Six Sigma by the end of 2018

**2018 Actual: 79%**



In 2017, we reported that 85% of our global workforce was trained in Lean Six Sigma. In 2018, we undertook activities to further refine our numbers by removing duplicates of people who went through multiple training, employees no longer with the company, non-employee contractors included in the training numbers and increased employee headcount from acquisitions.

### Ingredion Learning Launch

On November 8, 2018, we launched Ingredion Learning, an e-learning system administered through our human resources system, Workday. This system is available to Ingredion employees across the globe and gives them access to an extensive library of high-quality learning that suits their needs. Ingredion Learning is another mechanism we have developed to help the personal and professional development of our employees.

### Information Technology and Cybersecurity

To better enable our employees to protect the data assets of our organization, Ingredion conducted information technology and cybersecurity training across our operations in 2018. This training helped educate employees on topics such as email scams, threats like phishing and how to recognize attempts to secure sensitive information. Maintaining the integrity of our sensitive business information, as well as the information of organizations with which we do business, is a priority for Ingredion.

### North American Skills Training

As part of our strategy to develop employees at all levels and lead to growth, Ingredion delivered professional skills training to more than 500 employees in North America over the course of 2018. The training occurred in 34 classes that were held in six cities throughout the US and Canada. This training focused on topics such as effective communication, personal breakthroughs, coaching for growth and building trust. The program was very successful, and we intend to continue the effort in 2019.



Employees in Westchester collaborate at a professional skills training session.

Supplier of Choice

# BETTER FOR OUR CUSTOMERS



**GOAL:** Sustainably source more than **1 million metric tons** of crops by the end of 2018

**2018 Actual: 2,170,000**



SUSTAINABLE SOURCING

# 100%

sustainably sourced **waxy corn** supply in Europe

## Waxy Corn Supply

We are proud to announce that 100% of our waxy corn supply in Europe is sustainably sourced. We utilize the SAI Platform to assess and work with our growers. We have additional sustainable sourcing programs underway for waxy corn supplies globally, including Australia and the United States. Ingredion utilizes waxy corn to produce innovative products that deliver the high functionality our customers seek to help drive their own performance and sustainability efforts.

## Sustainably Sourced Raw Materials

Ingredion continues to see increased interest from our customers looking to purchase products derived from sustainably sourced raw materials. As such, we have had to more than double our original target of 1 million metric tons of sustainably sourced crops. Trends show that consumers, particularly millennials, value brand transparency. They want to know where their products come from and if they are made ethically and with respect for the planet. We utilize the Sustainable Agriculture Initiative Platform (SAI Platform), a benchmarking program, to assess our growers globally. This program enables us to collaborate with growers and evaluate their farming practices in terms of efficiency, human rights practices and environmental stewardship, among other criteria.

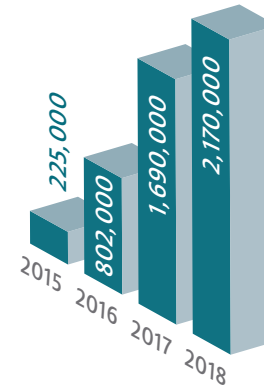
### SAI Platform Team Invited to Thailand

In June 2018, Ingredion was pleased to invite Nick Betts, SAI Platform director, Americas, and global projects lead, to speak in Thailand at the World Tapioca Conference about the value of sustainable agriculture.



Helping to expand the dialogue around sustainable agriculture with various stakeholders – growers, processors, customers and NGOs – is critical to our future success, and something Ingredion sees as a responsibility under our sustainability program.

Our effort to introduce the SAI Platform to a larger group of tapioca (cassava) growers is part of a larger effort to support agriculture in Thailand. In Sikhiu, our agricultural team worked to educate farmers about cassava mosaic disease (CMD) and how to prevent it, while also working to launch a good labor practices (GLP) village role model program in support of those working on farms.



### Sustainable Sourcing Volumes (in metric tons)

Ingredion has made notable progress in our sustainable sourcing efforts since 2015. We are pleased with our progress but understand that our journey is only beginning. As we look to the future, we will continue to explore areas such as soil health, water stewardship and sustainable specialty grain sourcing.



### Colombia GAP Program

Ingredion is pleased to have its sustainable sourcing efforts achieve certification through the Colombia GAP program, certifying nearly half of our locally sourced cassava (tapioca) under that program.



### Customer Collaboration

Ingredion has worked closely with our customers to promote sustainable sourcing activities in the areas around the globe where we source crops. For example, we have been collaborating with Coca-Cola in support of its effort to put one million acres of crops into the Field to Market stewardship alliance. In 2018, Coca-Cola asked Ingredion to write an article on our sustainable sourcing efforts for its website. Ingredion continues to look for opportunities like this to engage with our customers to help deliver mutual value across our supply chain.

**GOAL: 100%** of our manufacturing sites have SMETA audits by the end of 2016

**2018 Actual: 95%**

**GOAL: 100%** of our key suppliers are registered in Sedex and have SMETA audits by the end of 2017

**2018 Actual: 66%**



**Progressing Our Efforts**

Ingredion continues efforts to fold our newly acquired facilities into our social accountability processes, including third-party Sedex Member Ethical Trade Audits (SMETA). A few of these acquired facilities still need to be audited but are now being included in the total percentage, accounting for the drop from the 100% reported last year.

We continue to work with our key suppliers to have them register in Sedex and undergo four-pillar SMETA audits. While this process continues to progress, the number of companies requiring SMETA audits in their supply chain continues to increase, impacting the market and slowing progress for some suppliers looking to conduct audits. We will continue to pursue these audits with our key suppliers, as we believe they are a critical step toward maintaining ethical supply chains.

**Social Accountability Management System**

In 2018, we implemented a Social Accountability Management System (SAMS) to further enhance our human rights practices across the organization. The SAMS not only outlines how our manufacturing sites address updates in Sedex and respond to SMETA audits, but also introduces guidance for how we address considerations such as the rights of indigenous people in the geographies where we operate. Already we have seen the SAMS clarify our practices with external auditors, thereby leading to reduced findings and less need for follow-up audits.

**SMETA Audits**

To assess our operations, as well as to meet the growing expectations of our customers to validate the ethical operations of their suppliers, Ingredion continues to conduct SMETA audits of our manufacturing sites. In 2018, we worked with Bureau Veritas to execute on these audits, which we are currently conducting every three years, or more frequently in some instances when requested by our customers. While many Ingredion facilities achieved zero recommendations from their audits, of those that did receive recommendations, the most common findings in 2018 were as follows:

Finding	Additional Comments
Exceeding 60-hour work week	Ingredion follows local laws with regard to working hours. Additionally, we may have collective bargaining agreements in place that allow for voluntary overtime selection by employees. We also track safety statistics to confirm that working hours are not contributing to workplace injuries.
Working more than six consecutive days without a day off	Ingredion follows local laws with regard to consecutive work days between days off. The number of days worked in a row is determined by local labor laws, collective bargaining agreements and safety considerations.

*Customers interested in learning more about our SMETA audits can connect with Ingredion – registration number ZC1013103 – through Sedex.*

**Local Land Rights**

While Ingredion’s operations do not often interact with indigenous populations, we are aware that an increasing number of our customers are focused on making certain their supply chains do not have a negative impact on the rights of indigenous populations. For this reason, we included consideration of indigenous peoples into our Social Accountability Management System to establish criteria for those rare times when our operations bring us into contact with such groups.



**GOAL: 100%** of new innovation platforms assessed for sustainability considerations by the end of 2018

**2018 Actual: 100%**



### Sustainability Scorecard

Ingredion uses an internal Sustainability Scorecard to assess new products. While examinations of a product’s sustainability traditionally start with a life-cycle assessment (LCA), our scorecard is designed to look into other areas that our customers value in their own sustainability efforts. Other considerations included in our scorecard include product safety, chemical reduction, sustainable and local sourcing, among other items. Going forward, we will continue to look at consumer trends and societal needs – such as those outlined in the UN Sustainable Development Goals – to inform how we can develop products on trend with consumer sustainability preferences.

### Idea Labs®

Ingredion Idea Labs® connect our customers with a team of experts who bring the latest science and global thinking in our network to solve key product challenges. In 2018, we expanded the network of Idea Labs by opening facilities in Vietnam and Nairobi. Whether customers engage with our global Innovation center in Bridgewater, New Jersey, or one geographically closer to

their operations, once customers engage with our innovation centers, they are instantly connected with the expertise of all 28 Ingredion Idea Labs around the globe.



# ON TREND

## Organic Certification for NOVATION Functional Native Starches

We continue to see increased consumer demand for organic, clean label, and non-GMO products and Ingredion is helping our customers meet that demand by continuing to expand our certified organic ingredient solutions. In 2018, Ingredion’s Indianapolis, USA, plant received organic certification from Quality Assurance International (QAI) for our NOVATION®9330 and NOVATION®9360 starches, which are produced with organic tapioca starches imported from Thailand.

## Ingredion Expands Efforts in Plant Proteins

- Ingredion has launched VITESSENCE® Pulse 1803, a highlight functional, plant-based pea protein isolate that enables manufacturers to meet growing consumer demand for high-protein products that support nutrition and organic claims.
- Ingredion innovation employees joined other scientists at UC Berkeley’s “Build the Future of Food” panel to discuss meat alternatives such as plant proteins.
- In 2018, Ingredion entered into a joint venture agreement with Verdient Foods, Inc., a Canadian company based in Vanscoy, Saskatchewan, jointly owned and operated by film director James Cameron and Suzy Amis Cameron and a local Saskatchewan family office – PIC Investment Group.



*“We’ve found a great partner in Ingredion. They share our vision for plant-based proteins and other ingredients from pulses, and with their resources, expertise and world-wide reach, together we can be leaders in the new wave of global food production. This is also a huge opportunity for Canadians, especially in the prairie provinces, to add value locally to their vast agricultural production.”*

— James Cameron  
Verdient Foods, Inc.



**Consumer Trends**

We continue to look at market trends as a means to better understand the intersection of sustainability and consumer choice. Consumers identify with sustainability, which helps us connect our customers with on-trend innovation such as organic, non-GMO, clean label and locally sourced products.

*“We utilize initiatives like the UN Sustainable Development Goals to better understand the future needs of society. This information, when combined with our market research, helps us differentiate between short-term consumer trends and longer-term societal trends. For example, the world’s growing population base will be hard pressed to consume animal protein the way we do here in the US. Therefore, the growing focus on plant protein is a societal need that we see extending long into the future.”*

– Brian Nash  
Senior Director, Sustainability



**QUALITY & FOOD SAFETY**

**GOAL: 100%** of manufacturing sites are GFSI certified by the end of 2016  
2018 Actual: **100%**

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**GOAL: 100%** of microbiological labs are ISO 17025 certified for pathogen testing by the end of 2017  
2018 Actual: **81%**



**Certification Progress**

Ingredion has continued to make progress on certification of our microbiological labs to the ISO 17025 standard for pathogen testing. All of the external quality labs Ingredion utilizes, and most of our internal labs, are now certified. The only exceptions are certain internal laboratories located in South America that we anticipate will be certified in 2019. These internal labs will continue to work with approved outside laboratory services until they are certified to ISO 17025.



**Enhanced Quality Training**

Quality and food safety continue to be an important focus for Ingredion’s customers. Therefore, we launched Customer Contact Foundations for Quality Managers training through the company’s new e-learning platform. This training was designed to provide plant quality managers with additional skills and insights for customer interactions and to further our customer experience efforts.





Neighbor of Choice

# BETTER FOR OUR COMMUNITIES



**GOAL:** Reduce carbon emission intensity **10%** by the end of 2020 (versus 2010 baseline)

**2018 Actual:** **-9.5%**

**GOAL:** Reduce water use intensity **10%** by the end of 2020 (versus 2010 baseline)

**2018 Actual:** **-10.1%**



## Driving Environmental Reductions

In 2018, our manufacturing sites continued to work on a variety of projects to reduce energy and water use. We also progressed our work on the valuation of water and carbon in our operations to better inform capital planning.

## CDP Highlights

Again in 2018, Ingredion utilized the CDP (formerly Carbon Disclosure Project) to disclose information relative to our environmental activities and risks. Our results from our submissions in 2018 were as follows:



Water Questionnaire



Climate Change Questionnaire



Supplier Engagement

We are very pleased to show an increase to a B score in Climate Change, and were honored to have been named to the **Supplier Engagement Leaders Board** for our climate change efforts. This distinction means that Ingredion was among the top 3% of respondents in this area, and signals to us that our efforts to continually improve our engagement activities are on the right track.

### Evaluating Water Stress in our Communities

As we have in the past, Ingredion continues to use a suite of tools to assess potential water stress issues in the geographies in which we operate. This year, as part of that assessment process, and in conjunction with new reporting expectations in the CDP Water Security questionnaire, Ingredion added the World Wildlife Fund’s Water Risk Tool as an extra resource. This tool

Extremely High Stress Area	10% Reduction*
Tlalneplantla, Mexico	Exceeded Target
San Juan del Rio, Mexico	Exceeded Target
Mehran, Pakistan	Exceeded Target

gives us additional considerations for how we can continue to be good stewards of water in operations.

\*Since baseline, except Mehran 2013



*“Ingredion takes a precautionary approach to environmental matters. As such, we utilize a variety of tools to help provide us insight as to potential impacts of our operations, so that we can establish action plans to be better stewards of the environment and our communities.”*

– Elaine Harmon  
Director, Environmental Affairs

### Renewable Energy

In 2018, we undertook an evaluation of purchased energy used at our global site and found that 19% of our purchased energy portfolio is from renewable sources. This is the first step toward determining possible future strategies in this area.

**19%**

Currently, **19%** of Ingredion’s global purchased energy comes from **renewable resources**.

**60%**

Currently, **60%** of Ingredion’s global facilities have elected to take the extra step and achieve **ISO 14001 certification**.

### ENVIRONMENTAL MANAGEMENT SYSTEMS

Ingredion has worked to align our own Environmental, Health and Safety Management System (EHS-MS) with the requirements of outside standards such as ISO 14001 for environmental management and OHSAS 18001 for safety management. Currently 60% of Ingredion’s global facilities have elected to take the extra step and achieve ISO 14001 certification.

### BIODIVERSITY

Ingredion continues to utilize the Critical Ecosystem Partnership Fund’s ([www.cepf.net](http://www.cepf.net)) list of 36 global biodiversity hotspots as the basis for our internal evaluation.\*\*

We continue our work to take an active role in helping to reduce biodiversity loss in the six hotspots in which we operate. Last year we reported operating in seven hotspots, but with cessation of manufacturing in our Stockton, USA, facility we have removed the California Floristic Province from our list. In addition to assessing Ingredion’s own operations, we utilize the SAI Platform’s Farm Sustainability Assessment, which includes questions related to biodiversity at the farm level. Having this information at the farm level helps inform where we can identify opportunities to collaborate with our growers to promote biodiversity preservation.

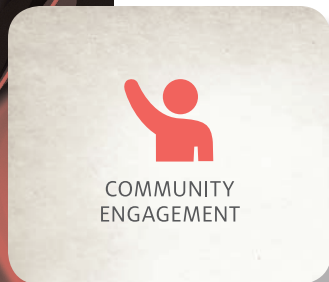
Region	Hot Spot	Supporting Efforts
Asia-Pacific	Indo Burma	Active
	Mesoamerica	Active
North & Central America	Madrean Pine-Oak Woodlands	Active
	Cerrado	Active
	Tropical Andes	Active

\*\*Exclusive of TIC Gums

**GOAL: Triple** our engagements in food bank activity by end of 2020

**2018 Actual: 680%\***

*\* Goal completed in 2017.*



### Sharing Our Technical Expertise Globally

In addition to local efforts, we continue to support The Global FoodBanking Network (GFN) as a flagship sponsor of its 2018 Food Bank Leadership Institute (FBLI) conference. Our partnership with GFN is important in connecting Ingredion global personnel with opportunities to support local food banks through volunteerism.

We also continue to explore opportunities to enhance our support of food banks through sharing technical expertise in areas such as food safety, occupational safety, logistics and supply chain management, among others.

The 2018 FBLI conference was the largest in history, with more than 150 food bank leaders, business leaders and NGO representatives in attendance.



*Danielle Zuhlke-Smith, senior manager in Ingredion's Global Supply Chain Group, speaks about inventory turns at GFN's Food Bank Leadership Institute meeting in Houston.*

*“It was great to take my passion for reducing hunger in the world and combine it with expertise from my job to help support the members of The Global FoodBanking Network. I love that Ingredion is trying to make a positive impact in the communities in which we operate.”*

– Danielle Zuhlke-Smith  
Senior Manager, Global Supply Chain Group

### Ongoing Efforts to Combat Hunger

Combatting hunger in the communities where we operate is an important concern for Ingredion, and one that has resonated with our employees. Highlights of activities in our local communities include:

- The North American business collaboration with the World Food Program to establish an employee donation website that provides the opportunity to contribute when a global crisis or disaster strikes.
- Ingredion was again pleased to be able to financially support The Global FoodBanking Network's Food Bank Leadership Institute conference in Houston. Additionally, Ingredion Global Supply Chain leaders shared technical expertise with food bank leaders from around the globe.
- Ingredion Colombia facilities held canned food drives throughout the year, donating the goods collected to the Asociación de Bancos de Alimentos de Colombia – the food bank association in Colombia.



*Ingredion employees collect canned food to donate to a local food bank in support of World Food Day.*

### Supporting Local Growers in Thailand

Ingredion agricultural personnel in Sikhui, Thailand, undertook an effort in 2018 to educate local growers on cassava mosaic disease (CMD) and nematodes, which can have a big impact on cassava (tapioca) yields. This training was conducted as part of Thailand's Model Farmer Program, and was carried out with growers from 12 different subdistricts around the plant. The Model Farmer Program is an initiative to help educate growers in surrounding areas to improve efficiencies and sustainable practices.

Ingredion personnel share best practices with our local growers as part of the Model Farmer Program.



### Promoting Agricultural Education

In October 2018, Ingredion's Indianapolis plant hosted Career Success Tours for the Future Farmers of America (FFA). The Ingredion tour provided FFA members, who are mostly high school students, with a hands-on interactive approach to exploring the company's products, agricultural science capabilities and manufacturing facilities while also providing information on the wide variety of career opportunities available within the food ingredients industry.

### Give2018 Campaign

Every year Ingredion employees in the United States participate in our "Give" program. The Give2018 campaign ran from October 8th through the 17th, raising a total of **\$138,906**. Through matching gifts from the company, this amount increased to **\$277,812** in total. The campaign was held in support of the American Red Cross, Feeding America and United Way.

**\$277,812**

Total amount raised through matching gifts from the company for the **Give2018** campaign.

### Peru Plant Provides Medical Access

Timely access to medical attention can be challenging in Peru, having an impact on our business through factors such as employee absenteeism. Some of our employees had to wait two months to see a doctor. The local Ingredion plant in Lima, Peru, decided to do something about this, opening its Medical Attention Service Module. The medical facility is open to Ingredion employees, their families and members of the communities where we operate. With a focus on general medicine, nutrition, pediatrics and gynecology, the facility has already had a profound impact. Ingredion is pleased to provide this service at no cost to the patients.



People await testing at Ingredion Peru's Medical Attention Service Module facility in Lima.

*Investment of Choice*  
**BETTER FOR  
OUR SHAREHOLDERS**



**GOAL:** Report on the business relevant elements of the **GRI** by the end of 2018

**2018 Actual: REPORTED**



GOVERNANCE,  
INTEGRITY &  
TRUST

**GRI Index**

In 2018, in an effort to further enhance transparency of our operations, Ingredion issued our first Global Reporting Initiative (GRI) Index to the newly implemented GRI Standards. Our company has received increasing requests from stakeholders for disclosure using approaches such as the GRI and the CDP (formerly the Carbon Disclosure Project). Our GRI Index can be accessed on Ingredion's website at the link below:

<https://www.ingredionincorporated.com/CorporateResponsibility/sustainability.html>

**Ethisphere World's Most Ethical Companies List (2014–2019)**

Ingredion is very proud to have once again been named to Ethisphere Institute's World's Most Ethical Companies list for 2019. The Ethisphere process continues to be an invaluable means for Ingredion to benchmark our efforts around ethics and explore areas for year-on-year enhancement of our programs.



**EcoVadis**

Ingredion utilizes EcoVadis to assess our overall sustainability performance and share that assessment with our customers. Ingredion was last assessed in EcoVadis in 2017, when we received a Silver rating. We have submitted our assessment questionnaire for 2019 and are currently awaiting our new results.

**Ingredion Mexico Wins Ethical Award**

Ingredion employees proudly receive the Ethics and Values in the Industry Award in the Multinational Companies category from Francisco Cervantes Diaz, president of CONCAMIN (Confederación de Cámaras Industriales) during its Annual Industrialists Meeting. The Ethics and Values in the Industry Award is managed by the Mexican Foundation for Innovation and Technology Transfer (FUNTEC), which continues to be a benchmark for corporate social responsibility.



**Bloomberg Gender-Equality Index (GEI)**

For the second year in a row, Ingredion has been listed on the Bloomberg Gender-Equality Index. The reference index, launched in January 2018, measures gender equality across internal company statistics, employee equality policies, external community support and engagement, and gender-conscious product offerings.

**WE SUPPORT**



**UN Global Compact**

Ingredion is a proud member of the UN Global Compact. We support the 10 Guiding Principles of the UNGC, and this report is our primary communication of our progress to advance those principles. We openly welcome stakeholder feedback and inquiries on our progress.

#	Guiding Principle	Ingredion Program	Report Page #
1	Support and protect international human rights	Social Accountability	13
2	Do not be complicit in human rights abuses	Social Accountability	13
3	Uphold freedom of association and collective bargaining	Social Accountability	13
4	Eliminate all forms of forced and compulsory labor	Social Accountability	13
5	Effective abolition of child labor	Social Accountability	13
6	Elimination of discrimination	Social Accountability	13
7	Support a precautionary approach to environmental challenges	Environmental Conservation	16-17
8	Undertake initiatives to support greater environmental responsibility	Environmental Conservation	16-17
9	Help develop and share environmentally friendly technologies	Innovation	14-15
10	Work against all forms of corruption	Governance, Integrity & Trust	20-21





We bring the potential of people, nature and technology together to create ingredient solutions that make life better.



*“We firmly believe that sustainability is of vital importance to the long-term success of our business. We also believe that this journey is not one we can take alone.”*

Thank you for your interest in Ingredion’s sustainability program. I am extremely pleased with our progress and know that we will continue to challenge ourselves to do more. We firmly believe that sustainability is of vital importance and an essential element to the long-term success of our business. We also believe that this journey is not one we can take alone. Collaboration with our customers, members of our communities and other stakeholders only strengthens our efforts and helps us deliver mutual value in this critical space.

Looking ahead, we know that 2019 is an important year as we further develop our sustainability program by working on our aspirations for 2030 as well as the key milestones that will help us measure our progress along the way. As we further develop our sustainability strategy, we look to global programs such as the UN Sustainable Development Goals to make certain our efforts remain relevant to the greater needs of society.

Finally, we are increasing our focus on sharing our sustainability initiatives and engaging more effectively with our customers to increase value creation by helping them reach and exceed their sustainability goals. Consumers are showing an increasing preference toward brands and products that promote sustainability, and we want to partner with our customers to bring innovation that is on trend with these consumer expectations. We also will continue to leverage our position as a leading ingredient solutions provider to show greater transparency across our customers’ supply chains. In short, we will continue to progress our efforts to provide ingredients and solutions that help *make life better*.

Sincerely,

**Larry Fernandes**  
Senior Vice President,  
Chief Commercial and Sustainability Officer  
April 22, 2019



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