



Ingredion.

## 2016 Sustainability Update

COMPANY OVERVIEW  
GOAL SUMMARY  
MESSAGE FROM OUR CEO

GOVERNANCE, INTEGRITY & TRUST  
SAFETY & HEALTH  
SOCIAL ACCOUNTABILITY

ENVIRONMENTAL CONSERVATION  
OPERATIONAL EXCELLENCE  
SUSTAINABLE SOURCING

INNOVATION  
COMMUNITY ENGAGEMENT



# Meet Ingredion™

We are a **FORTUNE 500** global ingredient solutions company with 2016 net sales of **\$5.7 billion**.

Ingredion is a leading global ingredient solutions provider. We turn **grains, fruits, vegetables and other plant materials** into ingredients that enhance our customers' products. Our ingredients make yogurts creamy, candy sweet, crackers crispy, paper stronger and add fiber to nutrition bars. Headquartered outside Chicago, Illinois, we **serve more than 60 diverse sectors** in the food, beverage, paper and corrugating, brewing and other industries.



Our approximately **11,000 employees** provide ingredient solutions to customers in **more than 100 countries**.

**11,000**  
employees

more than  
**100**  
countries



## INGREDIENTS

We provide ingredient solutions to help our customers meet rapidly evolving consumer demands worldwide. 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 performance and affordability.

## INNOVATION

In 2016, we invested **3 percent of specialty revenues** in R&D and employ more than **350 scientists worldwide**. With **27 Ingredion Idea Labs™ innovation centers** located around the world, we collaborate closely with our customers to develop solutions to challenges such as providing improved nutrition, using simple ingredients, adding fiber and making gluten-free products taste delicious.



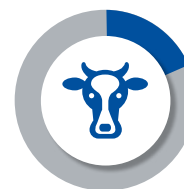
**52% FOOD**



**11% BEVERAGE**



**11% PAPER & CORRUGATING**



**10% ANIMAL NUTRITION**



**8% BREWING**



**8% ADDITIONAL APPLICATIONS**

Based on 2016 net sales

### COMPANY OVERVIEW

GOAL SUMMARY

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### GOVERNANCE, INTEGRITY & TRUST

SAFETY & HEALTH

SOCIAL ACCOUNTABILITY

### ENVIRONMENTAL CONSERVATION

OPERATIONAL EXCELLENCE

SUSTAINABLE SOURCING

### INNOVATION

COMMUNITY ENGAGEMENT

North America

60%  
of net sales

South America

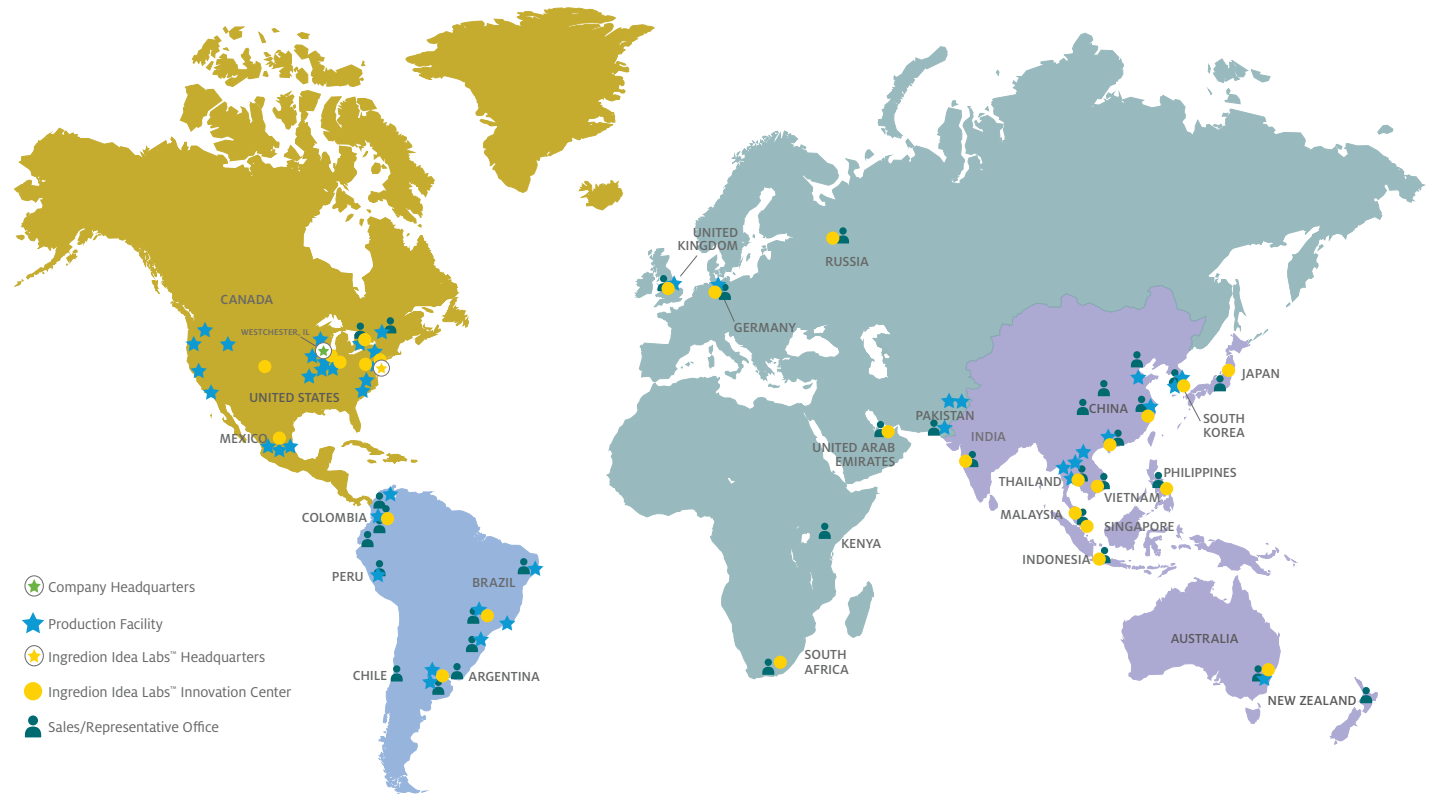
18%  
of net sales

Europe, Middle East, Africa

10%  
of net sales

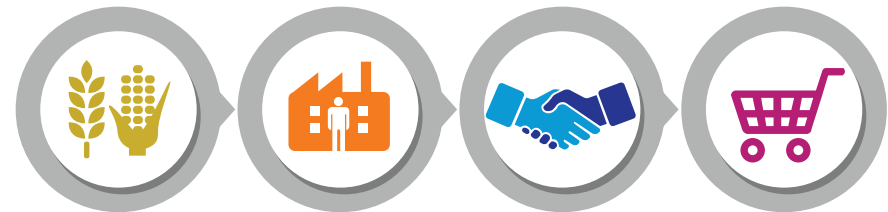
Asia Pacific

12%  
of net sales



### 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 foods, beverages, paper, personal care products and more for **consumers around the world**.



**Raw Materials**

- Agricultural crops
- Corn
- Tapioca
- Potato
- Rice
- Fruits & Vegetables
- Gums

**Global Manufacturing**

- Specialty Starches
- Sweeteners
- Industrial Starches
- Biopolymer innovation
- Personal Care

**Customers**

- Food
- Beverage/Brewery
- Papermaking
- Bioplastics
- Personal Care

**Consumers**

- Food
- Beverage/Brewery
- Paper
- Plastics
- Personal Care

# Goal Summary

- = Complete
- = In Progress

<b>Governance, Integrity &amp; Trust</b>	<span style="color: green;">●</span>	Report on business-relevant indicators from the Global Reporting Initiative (GRI) guideline by end of 2017
<b>Safety &amp; Health</b>	<span style="color: blue;">●</span>	Achieve a Total Recordable Incidence Rate of 0.20 by end of 2020
<b>Social Accountability</b>	<span style="color: blue;">●</span>	Conduct certified social accountability audits of 100% of our manufacturing sites by end of 2016
	<span style="color: blue;">●</span>	Register 100% of key suppliers in Sedex by end of 2016
	<span style="color: blue;">●</span>	Conduct certified social accountability audits with 100% of key suppliers by end of 2017
<b>Environmental Conservation</b>	<span style="color: blue;">●</span>	Reduce water use intensity 10% by end of 2020 (versus 2010 baseline)
	<span style="color: blue;">●</span>	Reduce carbon emission intensity 10% by end of 2020 (versus 2010 baseline)
<b>Operational Excellence</b>	<span style="color: green;">●</span>	Certify 100% of our manufacturing locations to GFSI by end of 2016
	<span style="color: blue;">●</span>	Certify 100% of microbiological labs to ISO 17025 for pathogen testing by end of 2017
	<span style="color: blue;">●</span>	Train 80% of all employees in Lean Six Sigma by end of 2018
<b>Sustainable Sourcing</b>	<span style="color: blue;">●</span>	Sustainably source 1 million metric tons of crops by end of 2018
<b>Innovation</b>	<span style="color: green;">●</span>	Assess 100% of new innovation platforms for sustainability considerations by end of 2017
<b>Community Engagement</b>	<span style="color: green;">●</span>	Triple our engagements in food bank activity by end of 2020

**TO OUR CUSTOMERS, SHAREHOLDERS, EMPLOYEES AND NEIGHBORS,**

Ingredion's sixth annual Sustainability Update reflects our commitment to respecting the environment and the people in the communities where we operate. Our actions around the world are highlighted, and as you will see, we are making good progress on our journey.

Since implementing our program in 2011, we established goals in a number of key areas that we either have achieved or are on target to achieve. Plus, we are forging new partnerships to learn and apply best practices as we strive to continuously improve our sustainability performance.

Good governance drives our practices, and our efforts have been recognized by the Ethisphere Institute, which named Ingredion one of the World's Most Ethical Companies for the fourth consecutive year. And in 2016, we became a signatory to the UN Global Compact, aligning our operations with universal principles on human rights, labor, the environment and anti-corruption.

As a veteran of the manufacturing industry, safety is high on my list of priorities. I am proud of our world-class levels of safety performance and of the targeted programs implemented to enhance our safety metrics as we strive for zero incidences.

The sustainability of the crops we use is important to our customers as well as to Ingredion. We have established programs with farmers in a number of countries around the world to enhance the sustainability of our primary inputs. Plus, we collaborate with customers and other organizations, such as the Sustainable Agriculture Initiative Platform, to assess our work.

Striving to be a neighbor of choice, we support the communities where we operate. As a college math major, I'm particularly proud of Ingredion's legacy support of Girls 4 Science in the Chicago area, where Ingredion is headquartered. In 2016, we initiated internships at Ingredion for graduates of the Girls 4 Science program.

On a global level, our partnership with the Global Foodbanking Network continued into its fifth year. Hundreds of passionate Ingredion employees volunteered in food banks from Australia to Mexico to share their time and knowledge to help fight hunger.

I am proud of the progress we have made since implementing our sustainability program six years ago. We would have achieved none of this without the dedication and collaboration of our employees and partners; I appreciate their support.

While we have accomplished a great deal, we continue on our journey and remain committed to our goal: to be the Company of Choice for a sustainable tomorrow.

Sincerely,



**Ilene S. Gordon**

Chairman, President and Chief Executive Officer  
April 21, 2017



**Ingredion Company of Choice  
for a Sustainable Tomorrow**





Luis Orozco, Purchasing Agent and Lena Brown, Payroll Specialist



GOVERNANCE,  
INTEGRITY &  
TRUST

We endeavor to create a business of the highest integrity throughout our worldwide operations. We adhere to robust governance policies that drive ethical practices and promote adherence to laws and regulations that affect our operations.



### Goal

Report on business-relevant indicators from the Global Reporting Initiative (GRI) guideline by end of 2017

2017 Target	2016 Actual
GRI	ongoing

### INVESTMENT OF CHOICE

Operating our business ethically is a hallmark of the Ingredion brand around the world. Our robust governance and strict adherence to “doing the right thing” every time, are among the many reasons Ingredion is the Investment of Choice for our valued shareholders. We maintain a number of programs and protocols to ensure that we are acting with integrity in every business transaction, and we actively promote a culture of conscience and ethical behavior.

### Awarded for Ethics

The Ethisphere Institute 2014, 2015, 2016, 2017

For the **fourth consecutive year**, and in recognition of our **high ethical standards**, Ingredion was named to Ethisphere’s **World’s Most Ethical Companies** list in 2017.



*“You just can’t be successful today as a global company without diversity. This is not simply a matter of fairness; it’s smart and strategic business.”*

*Ilene Gordon  
Ingredion Chairman,  
President and CEO*

### Diversity & Inclusion

As a global company, we value and celebrate our **diverse employee population**. Unique and varied viewpoints help to fuel and shape our innovations and directly contribute to our success as a company. This inclusive culture begins with CEO Ilene Gordon, who represents Ingredion in the 30% Club, a group of business leaders committed to better gender balance on corporate boards and at all levels of their organizations. Ingredion’s own Board of Directors is one of the **most diverse** among FORTUNE 500 companies, and our Executive Leadership team is **one-third female**. Ingredion’s internal **Diversity and Inclusion Council** has organized business resource groups for professional women and African-American employees at several locations in the United States for launch in 2017. These groups will provide dialogue, advice and a network structure for our employees.

*<< Ilene Gordon, Ingredion Chairman, President and Chief Executive Officer, received the Leadership in Diversity Award from the Committee for Economic Development in 2016.*



## Employee Survey

Ingredion's Listen2016 global employee survey provided all employees a chance for their opinions to be heard on a range of topics important to our organizational climate and management practices. **Nearly 9 of every 10 employees globally completed the survey.** Results will help shape new programs and initiatives ranging from safety advancements to customer experience practices to communication methods.



Ingredion Board of Directors visits Ingredion Mexico's San Juan del Rio plant.

## Policy on Business Conduct



Ingredion asks **employees around the world** to acknowledge the company's **Policies on Business Conduct** each year as a reminder of the importance of **transparency** and **ethics** in our day-to-day business.



## Transparency

Transparency in business is of growing importance to our **customers, investors** and **neighbors**. As such, we report on climate change and water performance annually to the **Carbon Disclosure Project** and in 2016 became a signatory to the UN Global Compact.

## BELA

Ingredion continued its **membership and participation** with The Ethisphere Institute's **Business Ethics Leadership Alliance (BELA)** in 2016. The organization is comprised of companies that **value and support ethical leadership.**







Jose Enrique Casillas, Manager, Plant Services



SAFETY & HEALTH

Providing a secure and healthy work environment for our employees is our priority. We are committed to maintaining the highest standards of safety at our facilities and continually strive for zero injuries to our employees, visitors and those working on our behalf.



### Goal

Achieve a Total Recordable Incidence Rate of 0.20 by end of 2020

2020 Target	2016 Actual
0.20	0.28

### EMPLOYER OF CHOICE

Ingredion strives for excellence in execution in ways that build connections and inspire trust. Our mission to be the Employer of Choice is rooted in strong company values that carry through to our safety, health, diversity and community outreach activities. Our performance-centric culture provides an environment where tireless optimism, continuous improvement and global collaboration drive sustainability progress. Keeping our colleagues, visitors and neighbors safe and healthy is our highest priority. We foster a world-class, safety-first environment where our people are empowered to speak up about unsafe conditions to maintain safe operations and offices.

### Collaborations



In 2016, Ingredion joined the **Campbell Institute**, an organization dedicated to **protecting people** and **preserving the planet**. The Campbell Institute empowers all enterprises to become world-class organizations in environment, health, and safety through membership engagement and knowledge sharing. By gathering and disseminating the best practices and lessons learned from members, the Institute inspires all organizations to attain and maintain the highest EHS standards. Membership to this prestigious organization is through invitation only.

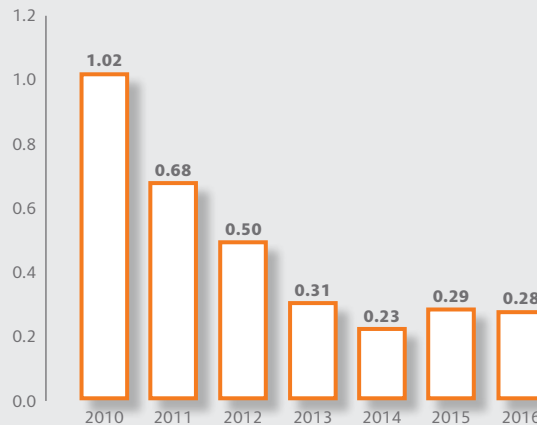
### Safety Performance

Ingredion returned its **second lowest TRIR** in 2016. This was driven by total employee engagement and adherence to our comprehensive standards. Ingredion maintains a rigorous, **world-class safety program** at our facilities as we continually and passionately **strive for zero** incidents.



### TRIR Safety Results

Total Recordable Incidence Rate (TRIR) stated per 200,000 hours.



# 41%

Reduction in hand injury incidents among employees and contractors.

In its third year of practice, Ingredion's **Hand Safety** program resulted in a 41% **reduction in hand injury incidents** in 2016.



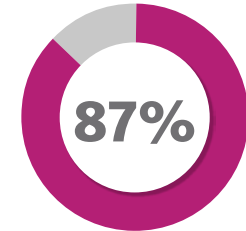
## Mid-year Safety Campaign

The summer months can be challenging in any industry from a safety perspective due to vacations and holidays. To combat this issue, Ingredion launched a **summer safety campaign** in 2015, which we continued in 2016 to **heighten safety awareness** during these critical months.

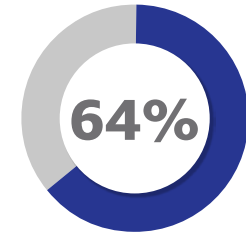


<<Safety Month activities include an annual safety poster contest. In 2016, employees from the Shanghai plant submitted the winning poster.

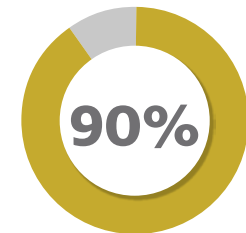
## Safety Highlights



of sites were Lost Time Case (LTC) free in 2016



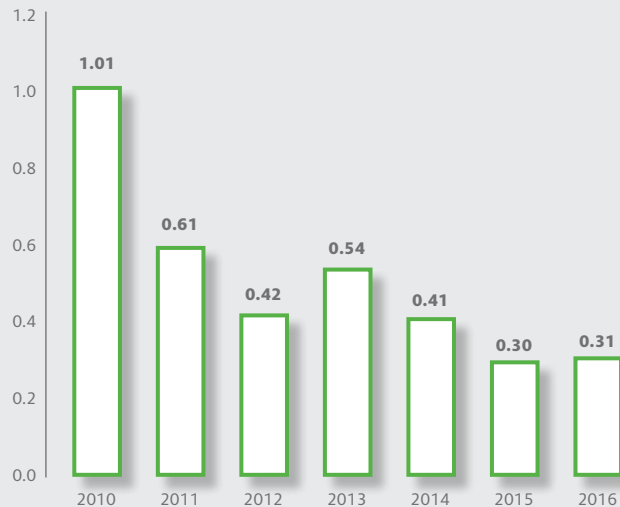
of sites were injury free in 2016  
(Exclusive of Penford and Kerr locations)



of non-manufacturing sites were injury free in 2016

### TRIR Contractor Safety Results

Total Recordable Incidence Rate (TRIR) stated per 200,000 hours.



## Keeping Our Contractors Safe

In 2016, we added **contractor safety performance** to our safety progress chart to demonstrate the importance of safety for everyone who works at our facilities. Ingredion has also implemented a number of new initiatives for contractor safety this year including enhancements to our **Contractor Safety protocol** as part of our EHS management system.



*Rick Duda, Associate General Counsel, South America and Operational Excellence & EHS&S and Robin L. Brown, Vice President U.S. Government Affairs and External Relations*



**SOCIAL  
ACCOUNTABILITY**

We are dedicated to the welfare of our employees, business associates and the communities in which we operate. We promote ethical business practices and strive to protect and support human rights. We know that our efforts to maintain a socially responsible supply chain are important to our business, customers and other stakeholders.



### Goal

Conduct certified social accountability audits of 100% of our manufacturing sites by end of 2016

2016 Target	2016 Actual
100%	95%

### Goal

Register 100% of our key suppliers in Sedex by end of 2016

2016 Target	2016 Actual
100%	96%

### Goal

Conduct certified social accountability audits of 100% of key suppliers by end of 2017

2017 Target	2016 Actual
100%	27%

## SUPPLIER OF CHOICE

At Ingredion, we strive to be the Supplier of Choice by assessing ourselves against globally recognized human rights standards and the requirements of our customers.

## Our Commitment to Human Rights

At Ingredion, we believe every person is inherently entitled to be treated with **dignity and respect**. We do not condone or tolerate forced or illegal labor practices, and Ingredion complies with all applicable employment laws and regulations throughout our global network without exception.

To further our **human rights commitment**, corporate supply chain and sustainability teams completed **human trafficking awareness** training as the first step toward a broader company effort for this important cause. Training will be expanded to other Ingredion departments in 2017.

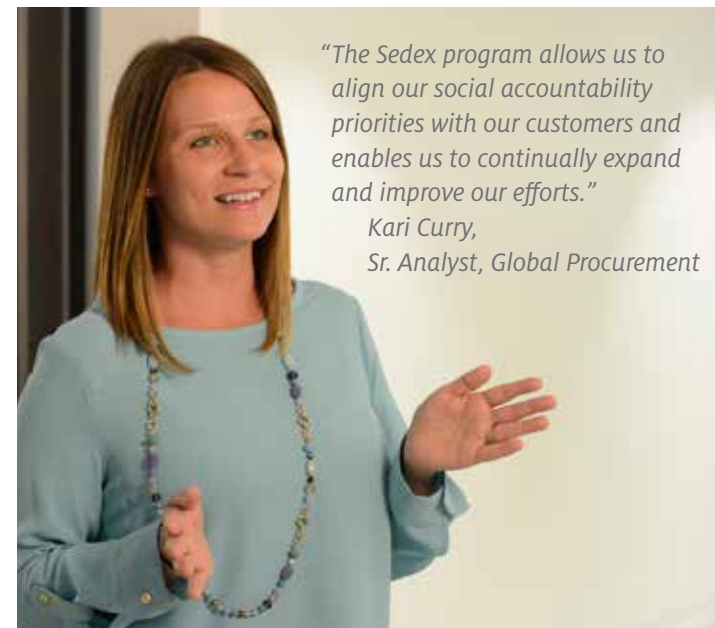
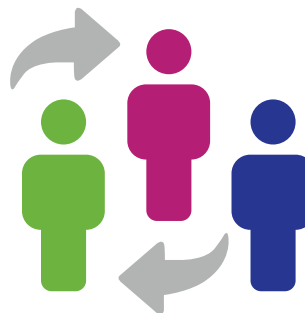
## Sedex

### Customers

We continued our commitment to and participation in the **Sedex Members Ethical Trade Audit** (SMETA) program in 2016. 95 percent of manufacturing sites were audited in 2016, with the remaining plants scheduled to be audited in 2017.

### Suppliers

We engage with our suppliers through Sedex and support and encourage their membership in the organization. To date, 96 percent of key suppliers are registered, and we continue to work on implementing **Sedex-certified social accountability audits** with those key suppliers.



*"The Sedex program allows us to align our social accountability priorities with our customers and enables us to continually expand and improve our efforts."*

Kari Curry,  
Sr. Analyst, Global Procurement



ENVIRONMENTAL  
CONSERVATION

We are dedicated to being good stewards of the environment. We understand the importance of environmentally sound manufacturing practices that conserve resources and enable us to grow our business in a sustainable manner. We recognize the human need for access to key resources such as clean water, and throughout our organization, we focus on conserving natural resources. We encourage our employees to participate in conservation efforts, both at work and in their communities.



### Goal

Reduce water use intensity 10% by end of 2020 (vs. 2010 baseline)

2020 Target	2016 Actual
10%	7.9%

### Goal

Reduce carbon emission intensity 10% by end of 2020 (vs. 2010 baseline)

2020 Target	2016 Actual
10%	7.6%

## Transparent Reporting

The CDP (formerly the Carbon Disclosure Project) is an organization that administers a **carbon emissions disclosure system** for companies around the world. Ingredion has been reporting climate change and water information to the CDP since 2009 and is committed to continuing our work to **manage and reduce our impact**.

Ingredion is registered with EcoVadis, a leading **sustainability reporting agency** that promotes **transparent** and **measurable reporting** in support of innovation and continuous improvement. This membership allows us to provide our customers with more robust information on our sustainability activities.



# 60%

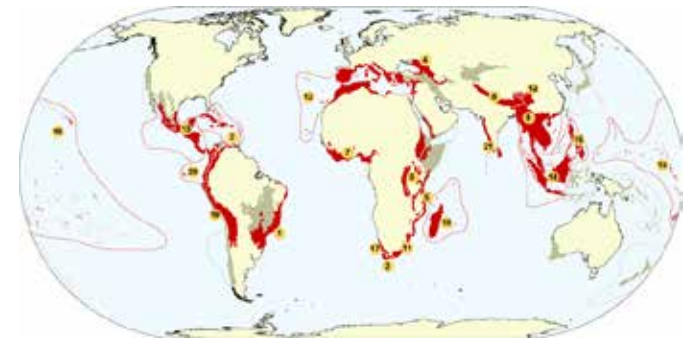
## ISO 14001 Certification

60% of all Ingredion plants are certified against the ISO 14001 environmental management system

## Biodiversity

Ingredion uses Conservation International's list of **biodiversity hotspots** to assess our operations and raw materials sourcing areas and to identify and assess how we can **positively impact biodiversity**. <http://www.cepf.net/resources/hotspots/Pages/default.aspx>

We also actively engage with **Sustainable Agriculture Initiative Platform (SAI)** and biodiversity experts to identify opportunities in our supply chain to support biodiversity. Our work in this area includes **tree planting** in Mexico and Brazil and **volunteer activities** in Thailand.





## Assessing Water Stress



Ingredion utilizes an ensemble of recognized global water stress tools to **evaluate water considerations** around our manufacturing plants, including annual surveys completed locally by individual plants. In 2016, we further enhanced our water stress assessment with an **expanded in-house survey** that includes water quality considerations.

## Excellence Awards

Thailand’s Ministry of Industry presented Ingredion’s **Kalasin plant** with an Excellence Award in recognition of the site’s **water conservation** and **river restoration** efforts.



From left to right: Korkiat Thavorntrakarn – Thailand EHS Manager, Pongthorn Maitreemitr – Plant Manager Kalasin Plant, Santad Saensuk – Manufacturing Director, Ban Kao Dihn and Kalasin, Banjerd Tawinkarn – Safety, Health and Environment Manager, Weerapong Sriworasarn – Environmental Supervisor



## Earth Day Activities Highlights

Ingredion locations around the world celebrate Earth Day through a variety of educational and volunteer activities. A few examples of the many events around the world:

**Peru:** Ingredion’s facility in Lima celebrated Earth Day by working in partnership with local government and neighbors to develop the “Planting a Tree, Sowing Life” campaign. This campaign involved **planting trees in a nearby park** to increase vegetation in the community, improve air quality and help beautify the neighborhood.

**Brazil:** Ingredion’s Balsa Nova manufacturing plant celebrated Earth Day with a **conservation presentation and open discussion for local school children**. Discussion topics included the United Nations’ efforts to plant 7.8 billion trees by the end of 2020, recycling, reusing material and how to conserve electricity.

**United States:** Employees at the Winston-Salem plant conducted a canoe paddle and **cleanup activity** on the Yadkin Pee Dee River to **protect the local watershed**. Employees and members of the Yadkin Riverkeepers group partnered to clean up a 5.7-mile stretch of the river.





Vince Errichillo, Associate Engineer and Katlin Davis, Associate Engineer



OPERATIONAL EXCELLENCE

We are dedicated to continually improving every aspect of our operations to enhance efficiency and undertake initiatives to foster a culture of excellence. We benchmark ourselves against the highest globally recognized standards and constantly raise the bar on our performance.

## Goal

Certify 100% of manufacturing sites to GFSI by end of 2016\*

2016 Target	2016 Actual
100%	100%

## Goal

Certify 100% of microbiological labs to ISO 17025 for pathogen testing by end of 2017

2017 Target	2016 Actual
100%	61%

## Goal

Train 80% of all employees in Lean Six Sigma by end of 2018

2018 Target	2016 Actual
80%	73%

\* Exclusive of the Shandong facility.

## SUPPLIER OF CHOICE

The quality and safety of our products are paramount. For more than 100 years, we have earned the trust of our customers around the globe for our diligent commitment to continuous improvement and innovation. Our goal is to be our customers' Supplier of Choice, and we continue to implement programs and processes to ensure our products are of the highest quality.

# 39%

reduction in complaints

In 2016, Ingredion undertook an initiative with one of our multinational customers to reduce product specification issues and complaints. This involved rigorous collaboration with the customer and corporate and regional quality teams and the development of a variety of stopgaps including the alignment of product specifications. The result was a reduction in overall complaints by 39 percent.



## Quality Efforts

In 2016, we continued to deliver against our multiyear strategy around **quality and food safety**. To maintain and bolster our focus on these important elements, we internally branded quality and food safety and **increased our collaboration** with our customers. We also made upgrades to select production lines in Lima, Peru, and Berwick, Pennsylvania, to enhance food safety, which resulted in **Global Food Safety Initiative** (GFSI) certification at these locations.



*"The Lean Six Sigma training and culture at Ingredion empowers my team to enact efficiency solutions at every level of our operations."*

*Alessandra Gelman,  
Associate Engineer*



SUSTAINABLE SOURCING

We believe high safety, quality, environmental and sustainability standards in our supply chain are vital to our business. We support our suppliers in their efforts to produce sustainable raw materials, particularly agricultural crops, with respect for society and the environment.

## Goal

Sustainably source 1 million metric tons of crops by end of 2018

2018 Target	2016 Actual
1,000,000	802,000

## SUPPLIER OF CHOICE

We strive to be the Supplier of Choice every day and to provide our valued customers with ingredients that meet or exceed their specifications and expectations for sustainability.

## Progressing Sustainable Sourcing

Ingredion remains steadfast in our efforts to work with our growers to help progress **sustainable sourcing opportunities**:

In 2016, we invested in upgrades to Ingredion’s “Sell Your Corn” website in the United States. Once fully implemented, these upgrades will help collect grower data to provide efficiency information and align with the requirements of the **Field to Market** and the **Sustainable Agriculture Initiative Platform (SAI)** programs. These programs help farmers implement practices that **increase efficiencies** and **reduce** their **environmental impact** by comparing their inputs and yields with local, regional and national averages.

We conducted pilot studies in Australia, Canada, China, Mexico, Colombia, Pakistan and Thailand to assess outputs from local growers against the **SAI Platform’s Farm Sustainability Assessment (FSA)**. And, Ingredion worked with growers in Europe to help drive use of the SAI Platform’s online FSA tool.

# >800,000

metric tons sustainably sourced for crop year 2016

## Engaging Our Growers

In 2016, Ingredion engaged with **Grain Farmers of Ontario** and the **Sustainable Farm & Food Initiative** to help understand how current sustainable agriculture efforts in Canada relate to those of our company.



Pushpak Mehta, Senior Associate

## Sustainable Sourcing Portfolio

To date, Ingredion’s sustainable sourcing efforts have focused primarily on **corn** and **tapioca**, which make up approximately 98 percent\* of our agricultural inputs. In 2016, we began **expanding our efforts** to other crops and will continue that work in 2017 and beyond.

\* Exclusive of Penford and Kerr.

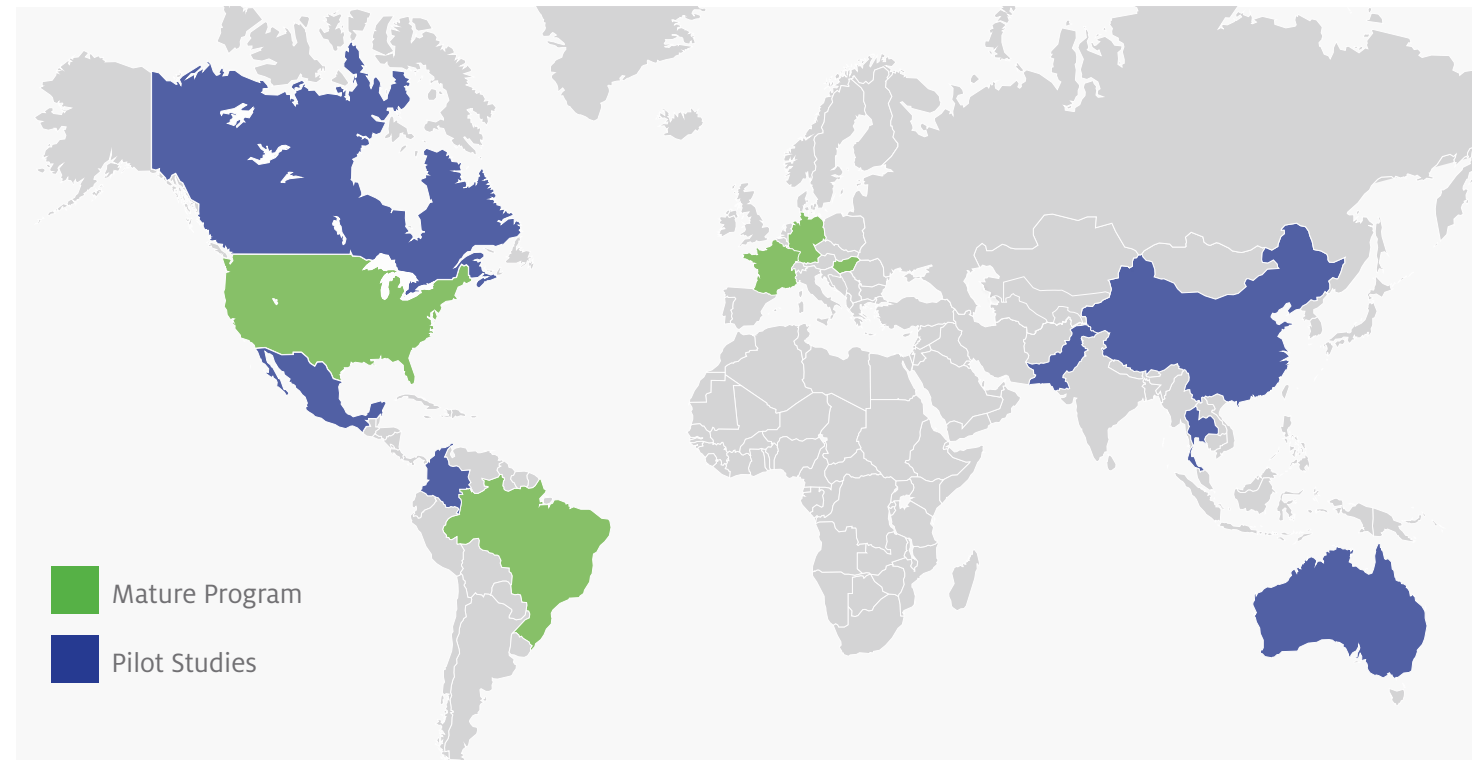


**93%** Corn  
**5%** Tapioca  
**2%** Other

We sponsor a number of programs around the world that support sustainable sourcing. From mature, established programs and protocols to emerging studies and growing relationships, we are committed to expanding our influence and knowhow for a sustainable and efficient supply pipeline.

## Forestry Management

Ingredion supports the **conservation** of our **natural resources** and the promotion of biodiversity across our supply chain. We work with growers to evaluate their forestry management practices as part of our sustainable sourcing efforts, utilizing tools such as the Sustainable Agriculture Initiative Platform’s **Farm Sustainability Assessment**.





Anh Nguy, Project Leader, Culinology



INNOVATION

We are dedicated to producing high-quality ingredients while relentlessly pursuing innovative new products that deliver value for our customers and shareholders. We are committed to creating products that support our own sustainability efforts, the changing needs of our customers and society in general.

## Goal

Assess 100% of new innovation platforms for sustainability considerations by end of 2017

2017 Target	2016 Actual
100%	100%

## SUPPLIER OF CHOICE

As one of our company values, innovation is a key aspect of our culture and a driving force behind everything we do. Our desire to be the Supplier of Choice to our many valued customers inspires us to passionately pursue the creation of innovative ingredients and processes every day.



## Clean & Simple

Consumers want products that are made from simple, expected and **authentic ingredients** and free from undesirable additives. In 2016, Ingredion worked to expand our **global manufacturing capabilities** for our NOVATION® line of clean-label starches, adding production capacity in the United States and Asia Pacific.

## Driving Nutrition Innovation

We invest in developing **novel ingredients** that can be included in our customers' products to help improve the nutritional profile or provide demonstrated **nutritional benefits**. Scientists at our 27 Ingredion Idea Labs™ around the world have focused on **health management** through research and development, resulting in our robust portfolio of novel and proprietary ingredients including:

- **Prebiotic soluble fibers and oligosaccharides** that provide digestive benefits and lower sugar content
- **Resistant starches** that provide digestive benefits and help maintain healthy blood sugar levels
- **Functional starches** that allow reductions in fat and calories
- **Pulse-based flours and proteins** that provide alternatives to meat and dairy proteins
- **Stevia sweeteners** that enable sugar and calorie reductions
- **Specialty ingredients** that provide texture in foods for infants and the elderly

[CLICK HERE](#) to learn more about our ingredient innovations.



*Damian White, Quality Control Analyst*

## Local On-trend Innovations

At Ingredion we have a deep knowledge of **current and emerging trends** and understand how to create solutions to **consumer demands**. We invest in consumer insights, applied research and innovation capabilities such as **formulation knowhow**, **CULINOLOGY® services** and **advanced process technologies**. Examples of our latest on-trend solutions include:

- **NOVATION PRIMA® starches.** These new starches allow food manufacturers to extend the shelf life of their refrigerated or frozen foods with a simple, unmodified ingredient.
- **HEMOCRAFT® and VITESSENCE™ pulse flours.** To address growing consumer demand for nutritious, plant protein-packed foods and beverages, these pulse flours have a clean taste and can be added to yogurts, puddings, pastas and more.
- **VERSAFIBE™ dietary fibers.** Ingredion launched a new line of gluten-free, low cost-in-use dietary fibers that manufacturers can easily add to foods to boost fiber while reducing calories.
- **NUTRAFLORA® soluble prebiotic fiber.** NUTRAFLORA has been scientifically demonstrated to support digestive and immune health while providing added fiber. Ingredion launched a liquid form of the ingredient in 2016 to make it even easier to add fiber to foods and beverages.
- **SWEETIS™ sweetener.** This sweetener blend is made from a variety of sweetening ingredients and offers the same sweetness as sugar but with fewer calories.
- **HI-MAIZE® resistant starch.** This starch was recently approved by the FDA in the United States for a qualified health claim petition for high-amylose maize resistant starch and reduced risk of type 2 diabetes.



## Ingredion's Customer Benefit Platforms

Five key, highly market- and customer-relevant areas of focus guide our specialty ingredient growth strategies:



### CLEAN & SIMPLE

Helping customers deliver products with fewer and more-familiar ingredients on the label

### HEALTH & NUTRITION

Helping customers address key consumer trends—weight management, digestive health, sugar and calorie reduction, plant proteins and more

### SENSORY EXPERIENCE

Helping customers better understand consumer preferences and develop sensory attributes for competitive advantage

### AFFORDABILITY

Helping customers refine recipes and improve manufacturing to reduce costs without compromising quality

### CONVENIENCE & PERFORMANCE

Delivering ingredient solutions that help improve functional performance, process efficiency, product stability and sustainability





Rajah Cooper, Training Manager



COMMUNITY ENGAGEMENT

We are dedicated to proactively engaging in our local communities to enhance the prosperity of our people, our neighbors and other local stakeholders. We support and promote employee engagement and volunteerism in the areas in which we operate, as well as philanthropic efforts at both the corporate and individual employee level, making a meaningful difference in those places where we do business around the world.

## Goal

Triple our engagements in food bank activity by end of 2020.

2020 Target	2016 Actual
300%	544%

## NEIGHBOR OF CHOICE

At Ingredion, we strive to be a positive influence in the communities where we operate. We focus our charitable efforts on sponsoring and promoting volunteerism, principally in the fields of health and education.



2016 marks our fifth year of work with **The Global FoodBanking Network** (GFN) and our third year with the **Food Bank Leadership Institute**. Through our support of the GFN and other food banking organizations, we have exceeded our goal of **tripling our food banking activity** by 2020. We have worked with GFN to help develop a process to provide support to food banks by identifying areas of greatest need and connecting them with employees who can provide advice in these areas. We are looking to trial this collaborative process in early 2017.



Brianna Campos, Girls 4 Science student

## Empowering Women and Girls

Ingredion is proud to once again partner with Girls 4 Science, a nonprofit organization that exposes girls to **science, technology, engineering and math** (STEM) subjects. The program helps girls ages 10-18 in the Chicago area, to break down barriers that prevent them from entering STEM career fields while focusing on **skill development, opportunity awareness and building self-esteem**.

Ingredion employees generously volunteered their time and talents to support the organization and its various activities and events.

For the fourth consecutive year, Ingredion awarded three Girls 4 Science members with a **scholarship to SPACE CAMP®** in Huntsville, Alabama.

In 2016, Ingredion established an **internship program**, sponsoring summer interns for graduates of the Girls 4 Science program.





## Focus on Education

Ingredion participated in the **Chicago High School for Agricultural Sciences (CHAS)** 2016 Groundhog Day Job Shadowing Career Day Event. CHAS is a Midwest organization that provides urban students who excel in science and mathematics the opportunity to **explore their interests** and abilities while teaching them good work habits and business acumen. During their visit to Ingredion, the students participated in **hands-on experiences** and observed a variety of workplace procedures gaining insight into future career prospects.

The Ingredion **Kenya team** conducted a **food starch seminar** for science and technology majors at the University of Nairobi.

The **Ingredion Educational Foundation** awarded 30 children of employees from 10 countries scholarship awards to support their **pursuit of higher education**. Recipients are chosen based on a number of criteria including academic performance and participation in school and community activities.



*“Volunteering with my co-workers is not only personally enriching, it reminds me that we all can make a positive impact.”*

*Brian Nash,  
Senior Director, Sustainability*

## Helping Our Communities

**United States:** Employees **donated vegetables grown** in their sustainable garden to a local homeless shelter; Employees helped construct two new homes at the **Sixth Annual Agriculture Build** organized by the Greater Indianapolis Habitat for Humanity (*photo 1*); Employees **assembled bicycles** to support the **SOS Children’s Villages of Illinois**, an organization that provides care for Illinois’ most vulnerable children and families.

**Thailand:** Employees visited the **Camillian Home for Children Living with Disabilities**, where they donated supplies and non-perishable foods and treated the children to lunch and snacks.

**Australia:** Employees packed food for **Foodbank New South Wales** (*photo 2*).

**Mexico:** Ingredion was recognized by the **Mexican Center for Philanthropy** (CEMEFI) for efforts in social responsibility. The award recognizes businesses that demonstrate life-work balance, ethical values, community engagement and positive environmental efforts (*photo 3*).

**Great Britain:** Employees **donated food** to a local charity to feed several families in hardship for a week. The donations came following a week-long food banking awareness project.

**China:** Employees **raised funds** to help pay tuition for **migrant children** in need.

**Pakistan:** Employees donated books, school bags, uniforms and other supplies to the **Galaxy Welfare Foundation**.

**South America:** Employees volunteered at a local school to **support children with disabilities**, teaching the children to turn recyclable materials into works of art and ornaments; Employees **taught choir classes** to 130 local and underprivileged children. The program focused on helping students develop **teamwork** and **self-discipline skills** aimed at improving overall school performance.

**Germany:** Employees offered **German lessons** to Syrian refugees.

These are a few examples of our many community outreach events around the world.

