



Ingredion[®]

GROWING FORWARD TOGETHER

Sustainability Report 2022

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Ingredion.

Be what's next.



RESPONDING TO A CONSTANTLY CHANGING WORLD **has never been more challenging or important**

We have all witnessed the world we live in being impacted in the last decade by dramatic changes and complex challenges. Life and living conditions are evolving at an ever-increasing pace. While it may prove impossible for anyone to fully predict every major change that is to come, it has never been more imperative that our responses to an ever-evolving world remain thoughtful, considerate, measured, and collaborative.

As a company, we are pleased with the progress we have made in the past year. This year's theme is **“Growing Forward Together,”** which reflects the continued growth of our sustainability efforts and our commitment to link sustainability and growth with our customers.

Regenerative agriculture and sustainable innovation serve as two excellent examples of this commitment. We expanded our work in sustainable and regenerative agriculture—and have worked with customers to lay the foundation for even more work in 2023 and beyond. In sustainable innovation, we are pleased to be the first food ingredient company to partner with HowGood, the world's largest food product sustainability database. In addition, we are building sustainable thinking into our new product and process designs.

We are also strengthening the commitment to our climate change strategy by getting our carbon reduction targets validated by the Science Based Target initiative (SBTi). We see this as the next step as we work toward a Net Zero strategy for our organization.

As always, we remain committed to supporting our employees, and the countless individuals that comprise our supply chain and are integral to the success of our business. We believe in the protection of human rights across that supply chain and adhering to the principles of the UN Global Compact, for which this report serves as an update. But beyond human rights, we also want to make certain we are fostering an inclusive work culture enabling our employees to be able to bring their true selves to work as we live our value of **Everyone Belongs.**

Thank you for reading our report, and a special thank you to the countless organizations and individuals that have supported our progress.



James P. Zallie
JAMES P. ZALLIE (HE/HIM)
President and CEO



01 everyday life

- ON TRACK
- SLOWER PROGRESS
- NOT YET STARTED



NT	GOALS	STATUS	UNGC ALIGNMENT	UN SDG ALIGNMENT
People & Product Safety	<ul style="list-style-type: none"> • Achieve an employee and contractor TRIR of 0.18 by the end of 2025 	●		3
	<ul style="list-style-type: none"> • Establish programs to enhance health and well-being in each major area of operation by the end of 2025 	●		3
	<ul style="list-style-type: none"> • Further enhance our processes to achieve zero significant food safety-related incidents reaching consumers by the end of 2025 	●		3
	<ul style="list-style-type: none"> • Increase the average hours of training per employee by 50% by the end of 2027 	●		3
	<ul style="list-style-type: none"> • Achieve an employee and contractor TRIR of 0.15 by the end of 2030 	●		3
Human Rights	<ul style="list-style-type: none"> • Implement the ISO 26000 social responsibility guidance by the end of 2023 	●	1, 2, 3, 4, 5, 6, 10	8
	<ul style="list-style-type: none"> • Assess the human rights protection practices across 100% of our agricultural supply chain for Tier 1 priority crops by the end of 2024 	●	1, 2, 3, 4, 5, 6, 10	8
	<ul style="list-style-type: none"> • Audit 100% of suppliers meeting high-risk criteria for human rights by the end of 2027 	●	1, 2, 3, 4, 5, 6, 10	8
	<ul style="list-style-type: none"> • Validate human rights protection across Ingredion’s operations and supply chain by the end of 2030 	●	1, 2, 3, 4, 5, 6, 10	8

sustainability goals progress summary



01 everyday life

- ON TRACK
- SLOWER PROGRESS
- NOT YET STARTED



ELEMENT	GOALS	STATUS	UNGC ALIGNMENT	UN SDG ALIGNMENT
DEI & Belonging	<ul style="list-style-type: none"> • Reach industry inclusion benchmark on global employee survey by the end of 2025 	●	6	5
	<ul style="list-style-type: none"> • Achieve global gender parity at the manager level and above by the end of 2030 	●	6	5
	<ul style="list-style-type: none"> • Achieve 38% Black, Indigenous People of Color (BIPOC) at the manager level and above in the United States by the end of 2030 	●	6	5
Innovation	<ul style="list-style-type: none"> • Develop and deploy a mechanism to allow for efficient product screening against our assessment criteria by the end of 2021 	●	9	
	<ul style="list-style-type: none"> • Engage in three circular economy projects within our supply chain by the end of 2025 	●	9	12
	<ul style="list-style-type: none"> • Have 40% of all new products aligned with the UN SDGs by the end of 2025 	●	9	
	<ul style="list-style-type: none"> • Have 75% of all new products aligned with the UN SDGs by the end of 2027 	●	9	

sustainability goals progress summary



02 planet life

- ON TRACK
- SLOWER PROGRESS
- NOT YET STARTED



ELEMENT	GOALS	STATUS	UNGC ALIGNMENT	UN SDG ALIGNMENT
Environmental Impact	<ul style="list-style-type: none"> • Complete three projects per country where we have manufacturing operations to drive increased plastics circular economy by the end of 2025 	●	7, 8	12
	<ul style="list-style-type: none"> • Achieve a 28% reduction in absolute Scopes 1 and 2 GHG emissions by the end of 2030 	●	7, 8, 9	13
	<ul style="list-style-type: none"> • Achieve a 15% reduction in absolute Scope 3 GHG emissions by the end of 2030 	●	7, 8, 9	7, 13
	<ul style="list-style-type: none"> • Reduce our water use intensity by 30% in all extremely high-stress geographies where we manufacture products by the end of 2030 	●	7, 8, 9	6
	<ul style="list-style-type: none"> • Achieve 100% avoidance of waste to landfill by the end of 2030 	●	7, 8	12
	<ul style="list-style-type: none"> • Reduce COD or BOD by 10% from our wastewater discharges by the end of 2030 	●	7, 8	6
Biodiversity Protection	<ul style="list-style-type: none"> • Engage with an NGO partner to identify any endangered species impacted by agricultural operations from which we source raw materials by the end of 2022 	●	7, 8, 9	15
	<ul style="list-style-type: none"> • Assess agricultural biodiversity risks for priority crops and sourcing regions by the end of 2023 	●	7, 8, 9	15
	<ul style="list-style-type: none"> • Identify local partners and engage in projects to have a net positive impact on any endangered species impacted by our supply chain by the end of 2025 	●	7, 8, 9	15
	<ul style="list-style-type: none"> • Implement biodiversity conservation programs in all crop sourcing areas located in biodiversity hotspots by the end of 2025 	●	7, 8, 9	15
	<ul style="list-style-type: none"> • Achieve zero deforestation, or 100% sustainable use of forest-based resources, by the end of 2030 	●	7, 8, 9	15

sustainability goals progress summary



03 connected life

- ON TRACK
- SLOWER PROGRESS
- NOT YET STARTED



ELEMENT	GOALS	STATUS	UNGC ALIGNMENT	UN SDG ALIGNMENT
Sustainable & Regenerative Agriculture	<ul style="list-style-type: none"> • 100% of global waxy corn supply sustainably sourced by the end of 2022 	●	9	15
	<ul style="list-style-type: none"> • 100% of Tier 1 priority crops sustainably sourced by the end of 2025 	●	9	15
	<ul style="list-style-type: none"> • Implement water conservation projects with growers in 100% of extremely high water stressed sourcing geographies by the end of 2025 	●	9	15
	<ul style="list-style-type: none"> • Confirm that 100% of our agricultural supply is not using pesticides of concern (as defined by the World Health Organization) by the end of 2025 	●	9	15
	<ul style="list-style-type: none"> • Educate growers and/or implement integrated pest management in at least 70% of our agricultural supply chain by the end of 2027 	●	9	15
	<ul style="list-style-type: none"> • 100% of our Tier 1 and 2 priority crops sustainably sourced by the end of 2030 	●	9	15
Food Security	<ul style="list-style-type: none"> • Implement five product or supply chain initiatives in support of plant-based or alternative proteins by the end of 2025 	●		2
	<ul style="list-style-type: none"> • Catalyze food waste awareness and reduction by implementing at least five projects with customers and/or suppliers to minimize food waste in our supply chain by the end of 2025 	●		12
	<ul style="list-style-type: none"> • Implement agricultural efficiency initiatives in support of smallholder farmers in 100% of applicable geographies in our supply chain by the end of 2027 	●		2

sustainability goals progress summary



03 connected life

- ON TRACK
- SLOWER PROGRESS
- NOT YET STARTED



ELEMENT

Community Impact

GOALS

- Enact programs in 100% of the communities where we produce products to help eradicate childhood hunger by the end of 2025
- Enact programs to support education and/or educational gender equality in 100% of our operational areas with low graduation rates by the end of 2025
- Enact programs in support of local water conservation in 100% of extremely high water stress communities where we produce products by the end of 2027
- Enact initiatives to support women entrepreneurs in 100% of the communities in which we operate that have a high gender equality imbalance

STATUS

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-

UNGC ALIGNMENT

UN SDG ALIGNMENT

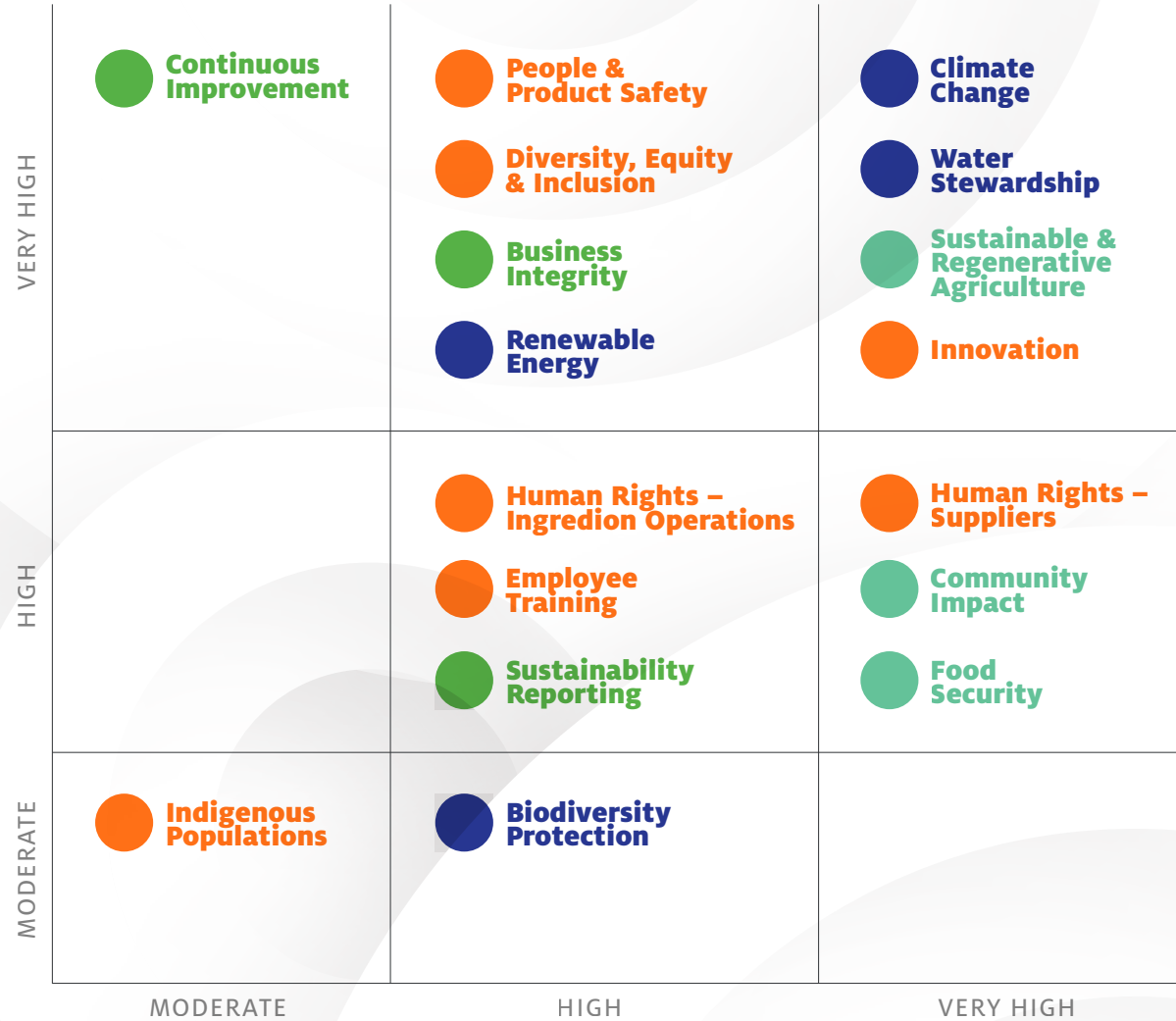
- 2
- 4, 5
- 6
- 5

sustainability goals progress summary





RELEVANCE TO INGREDIENT



RELEVANCE TO STAKEHOLDERS

Ingredion Sustainability Materiality Matrix
 Our sustainability materiality matrix represents our global operations and a prioritization of sustainability-related topics based on internal and external assessment. While we continue to incorporate our stakeholders' sustainability drivers into our efforts, we are increasingly looking at external standards to enhance how we measure and communicate about our program. We continue to look at the Sustainability Accounting Standards Board (SASB) Materiality Map, as well as programs like the Task Force on Climate-related Financial Disclosures (TCFD).

The inclusion of information in this report should not be construed as a characterization or an admission regarding the materiality or financial impact of that information for purposes of U.S. securities law. For additional information regarding Ingredion, please see our current and periodic reports with the Securities and Exchange Commission, including our Annual Reports on Form 10-K and Quarterly Reports on Form 10-Q.

- Everyday Life
- Planet Life
- Connected Life
- Governance

materiality matrix



2022

01



all life

EVERYDAY LIFE

01

People & Product Safety

Our journey to a zero-injury mindset

A ZERO WORLD

At Ingredion, we are committed to our journey toward a zero world—zero injuries in our workplace and zero product recalls reaching the end consumer. Our employees work every day to make this ambition a reality as we continue to identify ways to engage our global workforce in living our Care First value to keep themselves, their co-workers, and our communities safe.

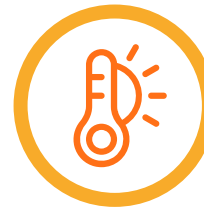
2022 was another challenging year in working toward our ambition. For the third consecutive year we have seen a slight increase in our Total Recordable Incidence Rate (TRIR).

While we did see improvements from the plants with the largest numbers of injuries in 2021, overall the number of plants with one to two injuries increased in 2022. Increased employee turnover and associated impacts, such as less skill experience, appear to have had an impact on our results. Despite these challenges, we are still operating at world-class safety performance levels.

WITH ALL THIS SAID, THERE WERE STILL SOME SIGNIFICANT HIGHLIGHTS IN 2022, INCLUDING:



A greater than 50% reduction in Total Recordable Cases (TRCs) at our Indianapolis plant versus 2021



An over 30% reduction in thermal events globally versus 2021



The launch of phase 1 of our transition to a new Environmental, Health, and Safety – as well as Quality and Sustainability – digital software solution to enhance data collection and analytics



2022 Safety Performance

YEAR	EMPLOYEE TRIR	CONTRACTOR TRIR
2022	0.33	0.28
2021	0.31	0.19
2020	0.28	0.22
2019	0.27	0.26
2018	0.26	0.23
2017	0.28	0.13

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01

People & Product Safety

To continue to convey the importance of zero injuries across our company globally, in 2022 we launched the Life Savers training program, which is focused on driving six critical components for a safe, injury-free work environment. The program was initially launched in our Korean business in 2022 to enhance safety performance. The program was so well received that we then decided to train all Ingredion employees in it. The Life Savers training puts increased focus in areas critical to protecting lives and maintaining healthy working environments. Implemented in part through our human resources digital learning management system platform, the Life Savers training emphasizes different safety topics for manufacturing and non-manufacturing employees. Our Life Savers training campaign will continue into 2023.

Life Savers Training Safety Topics

MANUFACTURING

- Line breaking
- Lockout tagout/electrical safety
- Fall protection
- Vehicle safety
- Confined space entry
- Hot work

NON-MANUFACTURING

- Leading by example
- Slip, trip, and fall prevention
- Distracted walking
- Office ergonomics



Maintaining our vigilance toward safe working practices is the only way we can get to a zero-injury culture within our organization. We cannot rest until everyone in our company goes home healthy and safe at the end of their workday.

MARCUS PAYNE (HE/HIM)
Vice President, Global Environmental, Health, Safety and Security

While we tend to focus on how we can continually improve, there were some notable highlights in our 2022 safety performance as well. Our Tokyo, Japan office reached 20 years without a recordable injury, and our Barranquilla, Colombia manufacturing plant reached 10 years without a recordable injury. These are just a few examples of the many Ingredion sites that demonstrated safety excellence.



**OF OUR LOCATIONS
HAVE HAD ZERO
INJURIES**



**OF OUR LOCATIONS
ARE LOST TIME
CASE FREE**

This year also saw a rise in the overall contractor injury rate. This was driven, in part, by increased contractor injuries in our South American business, which will lead to enhancements being made to their local contractor management programs in 2023. On a positive note, we completed the expansion of our Shandong, China facility with only one contractor injury across the entirety of that large project.

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01

People & Product Safety

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MAINTAINING EHS MANAGEMENT SYSTEMS

All Ingredion facilities operate under our global Environmental, Health and Safety Management System (EHS-MS). Continually refined and enhanced over the last decade, the EHS-MS establishes the foundation of standards for our facilities to enable them to meet and/or exceed local regulations. The Ingredion EHS-MS is aligned with the requirements of recognized global management systems like OHSAS 18001 and ISO 14001. In many cases, our manufacturing facilities have also chosen to obtain those external certifications.



Our facilities undergo regular internal and/or external assessments to make certain they are aligned with our management system.

PROMOTING HEALTHY EMPLOYEES

Aside from our focus on occupational safety, we continue to support the health and well-being of our employees through other initiatives as well. While these initiatives or programs vary by region and country, some examples of the programs include employee assistance programs to support emotional and mental health, and biometric screening programs where employee health results are sent directly to their personal physician for follow-up. We continue to look for opportunities to support the overall health of our employees across the globe.

PRODUCING PRODUCTS WITH THE HIGHEST SAFETY STANDARDS

Ingredion is a leading producer of ingredients for the food and beverage industry. As such, we adhere to strict global food safety standards by making sure that all of our manufacturing plants that produce food-grade products are certified to the Global Food Safety Initiative (GFSI). Maintaining certification to these product safety standards is critical to delivering safe and functional ingredients that our customers can trust to help them provide exceptional performance to their consumers.

Our continued focus on quality and food safety resulted in zero product withdrawals in 2022. This great work was not the result of any one initiative, but through many initiatives as well as the actions of thousands of employees globally, working every day to maintain focus on making products safely the first time. In November, we celebrated our global Quality Month, where our theme of “100% Quality Mindset” reminded employees of the importance of maintaining that focus. We also took steps to harmonize customer feedback mechanisms, allowing for enhanced feedback trending so we can take proactive measure to maintain product safety.



2022 SAFETY HIGHLIGHTS



PRODUCT WITHDRAWALS IN 2022

24K+ QUALITY AND FOOD SAFETY OBSERVATIONS

9K+ ACTIONS TO DRIVE CONTINUAL IMPROVEMENT IN OUR PROCESSES



Quality means doing things right the first time – every time. Quality is about focused attention to the little details that help us ensure safety is the rule.

JOHN-MICHAEL HOLAS (HE/HIM)
Vice President, Global Quality

01

Human Rights

Improving transparency to enhance supply chain human rights protection

OUR ROADMAP ON SUPPLY CHAIN HUMAN RIGHTS

In 2015, we set out to validate and improve upon human rights practices in Ingredion's global business. We did this by registering our sites in the Supplier Ethical Data Exchange (Sedex), conducting third-party Sedex Member Ethical Trade Audits (SMETA), and using trending data to further drive improvements. With our All Life plan, we are now looking to drive similar transparency and continuous improvement with our suppliers.

In 2022, we continued to execute on our roadmap to work with these suppliers. The high-level elements of our strategy remain to:

- 1 Improve transparency across our supply chain by asking non-agricultural suppliers to register in Sedex
- 2 Use Sedex tools like Radar to evaluate where suppliers might meet high-risk criteria
- 3 Work with suppliers meeting those high-risk criteria to conduct third-party assessments like SMETA
- 4 Enhance processes to further protect human rights across our supply chain

For our agricultural suppliers, the strategy is virtually identical except that we assess and audit growers using the Sustainable Agriculture Initiative Platform (SAI Platform), Farm Sustainability Assessment (FSA), and FSA validation audit. *For more information about Ingredion's efforts with our agricultural suppliers, please see the Sustainable and Regenerative Agriculture section of this report.*

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01

Human Rights

Partnering with our suppliers



100%
TRANSPARENCY
ACROSS OUR GLOBAL
SUPPLY CHAIN

In 2022, Ingredion advanced its goal to demonstrate 100% transparency across our global supply chain by partnering with Sedex on a supplier onboarding program to educate and register suppliers in Sedex, the world's largest data platform for supply chain assessment.

200+ OF INGREDION'S TOP GLOBAL SUPPLIERS, REPRESENTING OVER \$400M IN ANNUAL PROCUREMENT SPEND, WERE ENGAGED IN THIS PROGRAM.

As of the end of 2022, 27% completed their Sedex onboarding, and another 47% are continuing to engage with Ingredion about how they can utilize Sedex and other sustainability standards to provide greater transparency into their operations.



Representation on the Sedex Board

At the 2022 Sedex Annual General Meeting, where Member Director elections are held each year, employee representatives from both Walmart and Ingredion were elected as new members to the Sedex Board. The Member Directors sit on the Board and represent the interest of all Sedex members at Board meetings, where they help to influence the strategic planning and decision-making of Sedex to achieve their goals and improve responsible sourcing globally.



96%
OF OUR GLOBAL STRATEGIC
TOLLERS ARE REGISTERED
IN SEDEX

Ingredion has worked diligently to ensure its toller suppliers who directly service our customers are committed to the same levels of transparency as Ingredion.



SUPPLIER CODE OF CONDUCT

In 2022, our global supply contract templates and purchase order terms and conditions were updated to include our new Supplier Code of Conduct (SCoC). Ingredion's SCoC is the cornerstone to ensuring transparent procurement practices. In addition to its inclusion in our supply contracts, we will require suppliers to proactively indicate they are in compliance with our SCoC via an online assessment beginning in 2023.



Through leadership positions in industry organizations like Sedex, Ingredion benchmarks best practices and learns from peers while also leveraging tools such as Sedex's Radar risk analysis tool. Radar's custom algorithm is based on data from the International Labor Organization, The International Trade Union, The World Bank, The World Economic Forum, and other independent agencies. Ingredion began using Radar in 2022 to segment suppliers based on different risk criteria related to geography and category and any associated issues with forced labor, business ethics, water stress, and other environmental factors.

Ingredion will build upon this supplier segmentation to determine potentially high-risk areas in our supply chain, and to develop specific programs, including audits, that will improve compliance to our SCoC and progress towards our goal of auditing suppliers that pose a high risk for human rights.

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01

Human Rights

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ALIGNING WITH EXTERNAL MANAGEMENT SYSTEMS

Ingredion has worked over the years to translate its social responsibility practices into actions based on ISO 26000. Ingredion’s culture and values have culminated in processes and practices inspired by ISO 26000, including its Care First value, All Life Sustainability Plan, employee Code of Conduct, new Supplier Code of Conduct, and Social Accountability Management System (SAMS), to name a few. In 2022, a gap analysis performed against the standard demonstrated that across the global organization the seven core subjects of ISO 26000 are actively applied, and that there are two key aspects of the standard that Ingredion can focus on in 2023 to fulfill its commitment to fully use the standard to implement social responsibility.



ESTIMATED PROGRESS AGAINST ISO 26000

As an output of this assessment, Ingredion will leverage the insights from the University of Rutgers MBS Externship Exchange Program’s analysis on biodiversity to develop tailored solutions for biodiversity risks in our supply chain (see the Biodiversity Protection section of this report for more information). The other focus area will be on analyzing the potential for employment creation and implementing skills development in our communities. This aligns with our community impact goal to enact education programs, especially for women, in the areas in which we operate.



INCREASING OUR FOCUS ON CHILDREN’S RIGHTS

Ingredion is committed to the protection of human rights across our operations and in our global supply chain, and we are equally committed to the promotion of children’s rights across the food and beverage industry. In 2022, we were evaluated as part of the Global Child Forum’s preliminary scorecard for our industry. In this initial assessment, we scored a 6.8/10, being classified as “Achiever” status. While we were pleased to have been rated above the industry average of 4.4, we also acknowledge that the scorecard provides us with a roadmap to continually improve upon our efforts.

In December 2022, members of Ingredion’s sustainability team were pleased to have joined the Global Child Forum’s annual meeting, hosted by their Majesties the King and Queen of Sweden at the Royal Palace in Stockholm. With members of the royal family, we participated in action labs to explore how industry can better support children’s rights in areas such as supply chains, marketing, health, and nutrition. Ingredion is looking forward to continued collaboration with the Global Child Forum in the future, starting by joining their Business Academy in 2023.



Photo credit: Global Child Forum

01

DEI + Belonging

Continuing to enhance belonging across our organization

THE IMPORTANCE OF DEI + BELONGING

DEI + Belonging is a critical and foundational element of Ingredion's 2030 All Life plan. Similar to our focus on People and Product Safety, our work to promote diversity, equity, and inclusion really is an enabler for sustainability. It is critical that our employees know they are safe when they come to work, and it is equally crucial that they feel a sense of belonging and inclusion while they conduct that work. We know that the diversity and richness of our employees is one of our most valuable resources, and we leverage the knowledge and views of all employees in driving innovation while remaining aligned to our values.

PROGRESS AGAINST OUR COMMITMENTS

As an important tenant to our sustainability program, our DEI goals and progress remain an important topic for most of our stakeholder groups, including employees, customers, and potential candidates for employment.

For more information on our DEI efforts and progress, we encourage you to read our annual DEI Report which is available on our website.



ACHIEVE 100% ON HUMAN RIGHTS CAMPAIGN FOUNDATION'S CORPORATE EQUALITY INDEX



REACH INDUSTRY BENCHMARKS ON INCLUSION AND BELONGING INDICATORS



IMPROVE REPRESENTATION OF WOMEN IN MANAGEMENT WITH A GOAL OF GENDER BALANCE BY THE END OF 2030



IMPROVE REPRESENTATION OF PEOPLE OF COLOR IN MANAGEMENT WITHIN THE UNITED STATES WITH A GOAL OF 38% BY THE END OF 2030



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01

DEI + Belonging

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FOSTERING INCLUSIVENESS THROUGH OUR STRUCTURE AND BRGS

Our global structure encompasses three regional diversity councils that engage local leaders and sponsors to focus on local and regional opportunities. In 2022, each regional council hosted inclusion weeks to engage our colleagues in career development.

Our Business Resource Groups (BRGs) continue to play an important role in cultivating our culture, as well as engaging in efforts to create a work environment where everyone belongs. We continue to expand the existing groups through new members, as well as adding new groups to reach more employees.

In 2022, we began to measure the reach and impact of our BRG program. Over 10% of our employees are members of a BRG and we launched two new groups, called ADAPT (Asian Diaspora and Pacific Islanders Together) and SERVE (Serving Ingridion's Veterans and Military Families). Our employees representing these demographics, as well as those who are championing these efforts, continue to enhance our diversity and inclusion efforts.



Ingridion employees are really embracing our BRGs. Through the BRGs, we are seeing a wide range of activities and efforts, including community impact activities, mentorship with senior personnel, cultural awareness training, and many other programs.

SAMANTHA RENOVATO (SHE/HER)
Director, Global Diversity, Equity and Inclusion



01

Innovation

Continuing the pursuit of sustainable innovation

INNOVATING FOR SUSTAINABILITY

At our heart, Ingredion is an innovation company. Every day we work to deliver our customers ingredient solutions that enhance functionality, align with consumer preference, and help those customers achieve their own sustainability goals. And while we know that aligning our product development with sustainability is the right thing to do, we also believe it makes great business sense. For example, we see a growing number of consumers looking to reduce sugar in their diets, which is driving some customers to examine how they formulate certain products to align with this trend. Ingredion continues to develop nature-based, low-calorie sweetener solutions like our stevia products that not only help formulate low-sugar consumer products, but which can also help our customers lower their product carbon footprint. *See the Sweetener Solutions life cycle assessment (LCA) callout for more details.*



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Stevia production innovation accelerates sustainability

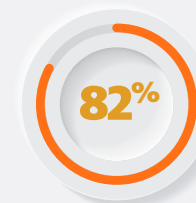
In August 2022, Ingredion announced the completion of a peer-reviewed LCA study on several of its sweetener solutions products, such as stevia. This study shows that Reb M stevia innovations offer great-tasting sugar reduction options while simultaneously reducing negative environmental impacts.



Our latest findings clearly show that all of our stevia production methods consistently outperform sugar across four key sustainability metrics due to recent innovations in Reb M stevia production. Reb M has enabled mass market adoption of stevia by delivering great-tasting food and beverage products. Our bioconversion and fermentation capabilities will allow the industry to achieve the same great taste at an even more affordable price while dramatically improving the environmental impacts.

NATHAN YATES (HE/HIM)
Global Platform Leader, Sugar Reduction & Specialty Sweeteners

The findings show fermentation and bioconversion technologies have significantly improved the sustainability of Reb M – a next-generation stevia sweetener from PureCircle by Ingredion.



REDUCTION IN NEGATIVE CLIMATE CHANGE IMPACTS FROM FERMENTED SUGARCANE REB M PRODUCTION COMPARED TO SUGAR, WHILE BIOCONVERSION SHOWS A 50% REDUCTION.

The life cycle assessment is a methodology used to quantify environmental impacts associated with the life cycle of a product or service, from cradle to grave. The proprietary study measured the environmental impacts of sweeteners derived from stevia leaves from their extraction and processing to their distribution to consumers, using environmental indicators which include climate change, land use, water scarcity, and cumulative energy demand.

01

Innovation

PARTNERING TO DRIVE SUSTAINABLE INNOVATION

Back in 2016, Ingredion launched its first sustainability scorecard for assessing the attributes of new products being developed. With the launch of our All Life plan in 2020, we set about updating that scorecard to not only enable our formulators to understand the sustainability implications of products they create, but to be able to see how those products are aligned with the UN Sustainable Development Goals (SDGs). Aligning with the SDGs is important, as it allows us to pinpoint where our new products can support both customer sustainability aspirations and overall societal needs. Despite having our own internal tool, we continued to look for new and innovative ways to assess product sustainability.



Therefore, in 2022, Ingredion decided to partner with HowGood, the world's largest product sustainability database for food, beverage, and personal care products. This partnership will deliver data transparency on Ingredion's top products and new product innovations, which will provide customers with sustainable solutions that consumers prefer.



We already have strategic customers using the HowGood platform. This partnership will allow those customers' formulators to work directly with our nature-based ingredients in developing their own sustainable products.

LUC BERTRAM (HE/HIM)
Vice President, Global Key Accounts & Sales Excellence



LEVERAGING CONSUMER INSIGHTS TO DRIVE SUSTAINABLE INNOVATION

Innovating for sustainability is complex. Consumer-preferred label claims like Organic or Clean Label could be a trade-off for a higher environmental footprint. Often making the determination on how to navigate multiple sustainability attributes requires data and understanding. Tools like HowGood help us understand the complexity of sustainability trade-offs, and we can leverage this understanding to help our customers drive value when we apply another element—market insights. Understanding what consumers value in various food and beverage categories, as well as what they are willing to pay more for, better enables us to formulate for sustainability.

Which is why ATLAS is so important. Launched in 2011, ATLAS is Ingredion's proprietary consumer insights database that provides a 360-degree view of the market. We recently completed our ninth wave of ATLAS market research, which included 13,908 respondents in 30 market categories. This study helps us further look at consumers' attitudes toward food and beverage, such as consumer buying behaviors, value proposition trade-offs, and ingredient acceptability by category. The study also includes an analysis of how consumers view environmental and sustainability claims.

To build upon our insights analysis, in 2022, Ingredion also conducted a voice-of-the-customer assessment on how some of our customers view sustainability. This analysis helps us better understand what our customers value, their primary areas of focus, and where they are looking for suppliers to support their initiatives.



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01

Innovation

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DELIVERING AWARD-WINNING PLANT-BASED PROTEINS

As demand for plant-based proteins continues to be driven by consumers seeking more sustainable and healthy options, Ingredion continues to innovate on products that help our customers meet this consumer demand.

In 2022, Ingredion was pleased to be announced as the World Plant-Based Awards winner for Best Plant-Based Sustainability for our Ultra Performance line of products. The Ultra Performance line allows for the creation of better-tasting plant-based food and beverages without typical challenges such as raw plant flavor or bitter taste commonly associated with dry milling of pulse products.



Made at Ingredion's Vanscoy, Saskatchewan, Canada facility, the more sustainable Ultra Performance line of pulse protein concentrates does not generate any wastewater during processing. Our proprietary process does not incorporate chemicals or additives, and uses much less water and energy than traditional pulse protein concentrate production.



It is one of many examples of Ingredion's commitment to reducing our environmental impact while delivering sustainable innovation that provides value to our customers.

CONTINUED FOCUS ON CIRCULARITY

We continue to see a growing focus from our customers around circularity, as more and more organizations seek to reduce food waste while minimizing their environmental footprint. 2022 saw further

discussions with customers in this space, as they look for opportunities to formulate with circular ingredients. A wonderful example of this is Ingredion's line of functional potato starches, which are produced in part from co-streams of potato product manufacturing by some of our customers. Ingredion is able to upcycle these potato streams, delivering starches that improve performance, like enabling crispier French fries that hold up better in food delivery.

In 2022, we were also pleased to launch our FIBERTEX® line of multi-benefit fibers. Made from citrus peels, which are side streams of pectin production, the FIBERTEX® products are the latest addition to our clean label portfolio. Citrus fibers have a range of uses, including various savory applications such as tomato solids reductions, oil reductions in dressing, as well as cost-savings opportunities. For example, FIBERTEX® can help offset the rising costs of tomato solids in sauces by replacing as much as 25% of those solids. *To learn more about these multi-benefit fibers, please visit our website at FIBERTEX® multi-benefit fibers (ingredion.com).*

We will continue to evaluate and seek opportunities across our supply chain to promote a circular economy, reduce food waste, and help our customers improve the overall performance of their products.



PROMOTING ANIMAL WELFARE

Ingredion remains committed to eliminating animal testing across our operations where it is not required by law. In 2022, our Animal Welfare Council – comprised of members from functional groups such as regulatory, legal, innovation, and sustainability – met on a quarterly basis to review requests for animal testing, whether or not there were any viable alternatives to this testing, and processes to improve understanding of our policy across our business. We have also conducted an external review of our Animal Testing Policy, which concluded that policy was aligned with industry standards and benchmarks.

2022

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02



02

Environmental Impact

Progress toward our goals

2022 saw increased progress against our Environmental Impact goals and milestones. As part of our climate change strategy, we had our carbon emission reduction goals validated by the Science Based Target initiative (SBTi).



In aligning with the SBTi methodology, we have restated our Scopes 1 and 2 absolute carbon reduction goal from 25% to 28% by 2030. Additionally, we now have a formal Scope 3 absolute carbon reduction target of 15%. The official validation of our targets was announced by SBTi on December 1.

In 2022, we reduced carbon emissions from our direct operations (Scopes 1, 2, and biogenic) -12% versus our 2019 baseline. We also reduced our Scope 3 emissions -7% versus the 2019 baseline. For our biogenic emissions, we adopted the Greenhouse Gas Protocol's Draft Land Sector and Removals Guidance published in September 2022 for our base and current year emissions. We continue to monitor the progress of the final version and work to understand how to apply it to our business.

Water use intensity in our extremely high-stress geographies was flat versus 2019 due to continuous improvement initiatives being offset by higher production rates and product mix. Our team in Mexico, where our manufacturing sites in extremely high-stress geographies are located, were focused on identifying the optimal investments and operational routines to reduce water in 2023 and beyond.

Our waste-to-landfill avoidance improved significantly compared to 2021, primarily because we reviewed our reporting methodology across sites and identified opportunities to better align. This resulted in including additional materials sent to composting that were not reported in our 2021 results.

COD intensity, which measures the amount of organic material sent to wastewater treatment, was higher than our 2019 baseline due to production rates and product changeover frequency to manage a tight supply chain. In 2023, our teams will refocus their efforts on mapping the sources of COD and implementing action plans to drive reductions.

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2022 Performance

MILESTONE	PROGRESS
Carbon Emissions (Scopes 1, 2, and Biogenic)	-12%
Carbon Emissions (Scope 3)	-7%
Renewable Energy	4%
Water Use Intensity	2%
Waste to Landfill Avoidance	83%
Wastewater COD Intensity	+7%

Results based against 2019 baseline

2022 Metrics

ENVIRONMENTAL METRIC	2022 PROGRESS
Scope 1 Emissions [Metric Tons CO ₂ e]	2,198,222
Scope 2 Emissions [Metric Tons CO ₂ e]	823,062
Biogenic Emissions [Metric Tons CO ₂ e]	47,958
Scope 3 Emissions [Metric Tons CO ₂ e]	11,743,381
Water Use: Global [Cubic Meters]	53,831,892
Solid Waste [Metric Tons]	262,425

Results are preliminary and pending external audit





It's really great to see the continued evolution of our climate change strategy. Validating our targets through SBTi is a great first step, and one that has set us down the right path. But we intend to keep refining our strategy with the ultimate aspiration of getting to Net Zero.

CATHERINE ZIMMERMAN (SHE/HER)
Vice President of Operations Sustainability

Ingredion remains focused on trying to identify a pathway to an SBTi 1.5-degree target, which is required before we can have a validated Net Zero target as well. We believe that the SBTi methodology establishes criteria aligned with our own beliefs that reducing physical emissions in our value chain is essential to mitigating climate change. Electrification of assets provides opportunities to significantly reduce emissions when coupled with renewable electricity. We have not estimated the capital investment required, but economics and pace of investment will need to be considered. New technologies, such as those that deliver green hydrogen and renewable natural gas at scale and competitive cost, are also important enablers to achieving a long-term Net Zero target. The timeline for these new technology developments is still uncertain.

In order to develop a climate strategy that strategically supports our business, we need to better understand the risks climate change potentially poses to our supply chain. We started this process in 2022 by engaging with S&P Global to use their Climonomics' Climate Risk Analysis platform. Looking at various climate risks such as drought, temperature extremes, water stress, and others, we are using different risk scenarios to identify areas where we could be impacted. We ultimately hope to make certain that our sustainability roadmap addresses and prioritizes the most significant considerations.

02

Environmental Impact

CONTINUED EVOLUTION OF OUR CLIMATE CHANGE STRATEGY

As we moved through the second full year of our 2030 All Life plan, we have seen a continued evolution of our climate change strategy in response to both stakeholder interest and our company's aspiration to drive meaningful reductions. In 2022, we applied for validation of our carbon reduction targets through the Science Based Target initiative (SBTi), and are pleased to announce those targets have been validated. Because of the irregular operating condition in 2020 due to the pandemic, we are using 2019 as our baseline. This means that our carbon reduction target under SBTi has been slightly adjusted to an absolute reduction in Scopes 1 and 2 emissions of 28% by 2030. Additionally, we have added an absolute Scope 3 reduction target of 15% by 2030. We have evaluated all 15 categories of Scope 3 emissions, but purchased goods and services (primarily agriculture), upstream and downstream transportation, and processing of sold products are the most relevant categories where our carbon emissions are generated.

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USA



BRAZIL

Our strategy to reduce Scope 1 and 2 emissions includes several pathways. These pathways include site energy efficiency improvements, conversion from coal to natural gas, renewable biomass energy, biogas utilization from anaerobic wastewater treatment, on-site solar, and renewable electricity procurement. We reported the conversion of our largest site in Bedford Park, USA from coal to natural gas last year. In addition, we are partnering with ComBio, a company specializing in steam generation projects, to install renewable biomass boilers at our Balsa Nova and Mogi Guacu, Brazil facilities in 2023. These projects extend the biomass energy program we have already established at our Cabo de Santo Agostinho plant in Brazil.



IN 2022, INGREDION INVESTED IN CAPITAL EXPENDITURES RELATED TO CARBON EMISSION AND WATER REDUCTIONS, WITH MANY OTHER PROJECTS ALREADY IN THE PIPELINE AS WE LOOK TO CONTINUE TO DELIVER AGAINST OUR TARGETS.





02

Environmental Impact

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RENEWABLE ENERGY AS A KEY COMPONENT OF OUR STRATEGY

As we continue to enhance our carbon reduction strategy, we know that the use of renewable energy has a significant role to play in achieving our targets. The decision on where to progress is complex, as some of our geographies of operation have energy grid supply challenges that have to be taken into consideration when evaluating green energy purchases or reducing on-site co-generation from fossil fuels. Some of these efforts are going to take time to evaluate as we progress our roadmap to 2030. Because of reasons like this, we have chosen to focus on North America and South America in building our purchased renewable electricity strategy.

In 2022, we launched a project with Schneider Electric to evaluate opportunities around renewable energy in North America, the company’s largest regional business. This work included evaluating opportunities for both purchase and installation of renewable energy. Having more insight into renewable energy options has helped us evaluate a range of opportunities to progress our efforts. In fact, Ingredion began collaboration with one of our customers who is seeking to leverage the purchasing power of their organizations combined with their suppliers to get reduced costs in a voluntary power purchase agreement (VPPA). Evaluation of this project will continue into 2023.



In South America, we commissioned our first global on-site solar installation on our Cali, Colombia warehouse site. We are also focusing on purchasing renewable electricity in the region. In 2022, our Lima, Peru site was the first in the region to purchase 100% renewable electricity. In 2023, we will expand the renewable electricity purchasing program to three sites in Brazil.



SOLAR PANELS BEING INSTALLED AT OUR CALI, COLOMBIA PLANT



02

Environmental Impact

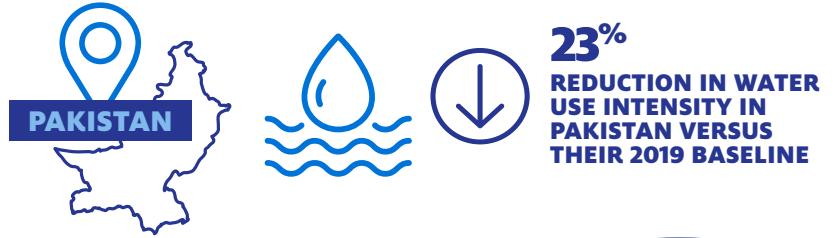
WATER STEWARDSHIP ACROSS OUR OPERATIONS

Water is a critical resource for our operations, and we are committed to responding to current and future water risks in the communities where we operate. Our global operations network has a Manufacturing Excellence team that shares best practices in our operational routines, equipment, and technologies to share learnings across our global organization and adapt quickly. We identified Mexico as an extremely high water stress region that needs strong focus. In the previous decade, our Mexico team has already executed on the easier opportunities to reduce water use intensity.

To support additional water use intensity reductions in line with our 2030 target, the Mexico team held workshops with internal and external experts to identify opportunities to further reduce water in our process. We have already started construction on an anaerobic wastewater treatment project at our San Juan del Rio plant that will enable more water recovery for cooling. In 2023, we will analyze and prioritize more opportunities from the workshops and begin continuous improvement actions.

Beyond our focus to reduce water use intensity in Mexico, Ingredion has set context-based water reduction goals based on geographic water stress. We aggregate the results from a multitude of publicly available water stress tools to determine geographic stress levels. This allows us to put focus on our plants that are in areas where water stress might be moderate, but could become further constrained in the future without sustainable water management today.

For example, Ingredion’s three manufacturing plants in Pakistan have been reducing water use over the past few years by implementing capital investments in more efficient separation technologies, reducing once-through water usage, and developing robust systems to minimize water waste. This has resulted in:



INGREDION'S CORNWALA, PAKISTAN FACILITY



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02

Environmental Impact

PureCircle Malaysia drives significant water reduction

In 2021, our PureCircle team in Bandar Enstek, Malaysia began a water mapping exercise to identify the major contributing factors to water consumption on site. As one example, the team identified opportunities to optimize the reverse osmosis system operation and recycle more water. The benefits from this continuous improvement initiative have resulted in a:



42%
REDUCTION IN WATER
USE IN MALAYSIA
VERSUS THE 2019
BASELINE



Reporting through CDP

Ingredion again filed annual reports with CDP. From our submissions in 2022, we were pleased to have been scored as follows:

REPORT SCORE



B
CLIMATE
CHANGE



A-
WATER

We continue to evaluate CDP reporting criteria to identify opportunities to drive continuous improvement in our operations. For example, in 2022, CDP included questions around board competency in climate change, water, and sustainable forestry. These questions have driven us to have deeper conversations with our board to identify areas of expertise and align those with areas of board oversight.



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02

Environmental Impact

COLLABORATING TO DRIVE CLIMATE PROGRESS

In 2022, we also engaged with Unilever to pilot the Ecochain software to determine the carbon footprint of a product we are supplying to them. The purpose of this pilot was to evaluate the software solution for product carbon footprinting, as well as the time resource demand in conducting this work. Ingredion continues to evaluate solutions like Ecochain and HowGood to meet growing customer demand for more clarity on the environmental footprint of the ingredients we supply. *For more information on HowGood, please see the Innovation section of this report.*



Ingredion also continued our participation in the Sustainability Leadership Forum – Chicago, which consists of sustainability leaders from multinational organizations meeting to identify, develop, and adopt innovative, viable best practices that support sustainability in their respective organizations. Topics included the pending SEC climate disclosure guidelines, sustainability data technologies, and transitioning to net zero.



We also continued our collaboration with Microsoft in best testing and development of their Cloud for Sustainability software. They continue to work toward better data collection and analytics of carbon emissions, and we are particularly excited about the work being done to help capture and evaluate Scope 3 emissions across our supply chain.



We also participated in the Blue Economy Advisory Group with Current, a Chicago-based organization focusing on growing the blue economy, driving innovation, and solving persistent water problems in the region. In late 2022, we started collaborating with Current on a water innovation event to be held in 2023 to address an operational water challenge where we can connect with several potential solutions providers.



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02

Environmental Impact

MINIMIZING WASTE IN OUR OPERATIONS

In 2022, we continued to work across our global operations to drive avoidance of waste to landfill. As a company, we are pleased to report notable progress in this area, with 92% of total waste being diverted from going to landfill or incinerations without energy recovery (increased from 74% in 2021).



92% OF WASTE DIVERTED FROM GOING TO LANDFILL

We are also pleased to report that 13 of our facilities across the globe have achieved Zero Waste status.

Ingredion defines Zero Waste as manufacturing < 0.5% of the plant's solid waste going to landfill or waste incineration without energy recovery.



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02

Environmental Impact

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ALIGNING OUR FOCUS ON PLASTIC WASTE

When we launched our All Life plan in 2020, we included a goal to drive “plastic neutrality” across our operations. When we were creating our plan in 2019, it looked like there was going to be an adoption of the concept of plastic neutrality – reducing or recycling an equivalent amount of plastic as is used in an operation. But since that time the term plastic neutrality has been somewhat discarded and replaced with concepts such as the Ellen MacArthur Foundation’s circular plastics economy.

In order to sync our aspirations with current terminology, and more importantly to align with the efforts of our customers and suppliers, we are restating our goal around plastic waste. Going forward it will be as follows: *Complete three projects per country where we have manufacturing operations to drive increased circular plastics economy by the end of 2025.*



Restating our plastic goal has put it in a language our manufacturing plants can understand and really inspired them to be creative in identifying projects to reduce plastic waste.

ERIC AAVIKU (HE/HIM)
Senior Manager of Environment and Sustainability



RECYCLING STATION AT OUR SAN JUAN DEL RIO SITE



PAILS READY FOR RECYCLING AT OUR KERR FACILITY



Completed 13 plastic reduction projects globally

ELIMINATING AN ESTIMATED 316,612 KILOGRAMS OF PLASTIC FROM OUR SUPPLY CHAIN AND ENABLING RECYCLING FOR AN ESTIMATED 189,152 KILOGRAMS INTO A CIRCULAR PLASTICS ECONOMY.

In 2022, Ingredion manufacturing plants:

Across our enterprise there are already an additional 11 projects underway that will continue to drive performance in 2023.

One example of a circular plastics economy project was implemented by our Kerr by Ingredion team in Salem, Oregon, USA. The plant’s core business is shipping juice concentrates and purees to customers. Raw materials and finished products are shipped in HDPE plastic pails. Before this plastic reduction project, the pails had metal handles, which required them to be disposed of in an incinerator instead of being recycled. The local team partnered with our suppliers to source pails with recyclable plastic handles, and the recycling center developed the capability to rinse pails to enable recycling. We continue to work with raw material suppliers to source recyclable pails for all deliveries to the site.



02

Biodiversity Protection

Working toward a net-positive impact on biodiversity

INCREASING FOCUS ON BIODIVERSITY

The 2009 Planetary Boundaries report awakened the world to the severity of biodiversity loss in our world. Since that time, updates to the Planetary Boundaries and other reports have continued to stress the importance of countries and organizations incorporating biodiversity into their short and long-term strategies. And with the emergence of frameworks like the Taskforce on Nature-related Financial Disclosure (TNFD), it is clear that companies need a path forward even though that path is still somewhat unclear.

With our 2030 All Life plan, Ingredion is focused on having a net positive impact on sustainability, particularly in our agricultural supply chain. As a starting point, we mapped our global operations and crop sourcing against the Critical Ecosystem Partnership Fund’s (CEPF) 36 global biodiversity hotspots. This helped us identify six areas around the globe where we operate or source agricultural material that are at particular risk for biodiversity loss.

From there, we sought to better understand the growers in our supply chain, particularly how they viewed biodiversity and its impacts to their farms. Ingredion uses the Sustainable Agriculture Initiative Platform’s (SAI Platform) Farm Sustainability Assessment (FSA) to evaluate and confirm the sustainable practices of our growers. The FSA includes over 100 questions, including some around biodiversity. Now that Ingredion has assessed nearly half of our Tier 1 priority crop farmers using the FSA, we are in a position better understand the biodiversity considerations of our agricultural supply chain. *For more information on Ingredion’s work with growers, please see the Sustainable and Regenerative Agriculture section of this report.*

As we continue to progress efforts under our All Life plan, we will look to enhance biodiversity protection on farms through initiatives like regenerative agriculture programs, as well as using smartphone apps we have deployed with growers to educate around biodiversity protection and sharing of best practices.

INGREDION’S ANDY UTTERBACK OBSERVES BIODIVERSITY BEST PRACTICES AS PART OF A DEMONSTRATION FARM VISIT DURING SAI PLATFORM’S 2022 ANNUAL EVENT



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02 Biodiversity Protection

COLLABORATING TO DEEPEN OUR INSIGHT

Ingredion has engaged in multiple sustainability-related projects as part of the University of Rutgers MBS Externship Exchange Program. As part of this program, our company is assigned a team of students who work on a real-life project to help further our sustainability agenda. In 2022, we focused that project on biodiversity. Our student team worked to evaluate the primary biodiversity impacts in Ingredion’s agricultural supply chain, and do a deeper dive to understand where agricultural practices might be contributing to those impacts. Over the 12-week process, we met weekly with our student team, who continued to work diligently to understand the practices of our growers in various sourcing geographies and pinpoint areas for us to take strategic action. In addition to this, the student team identified local and global NGOs working in those geographies that could further support Ingredion’s efforts to have a net positive impact on local biodiversity.

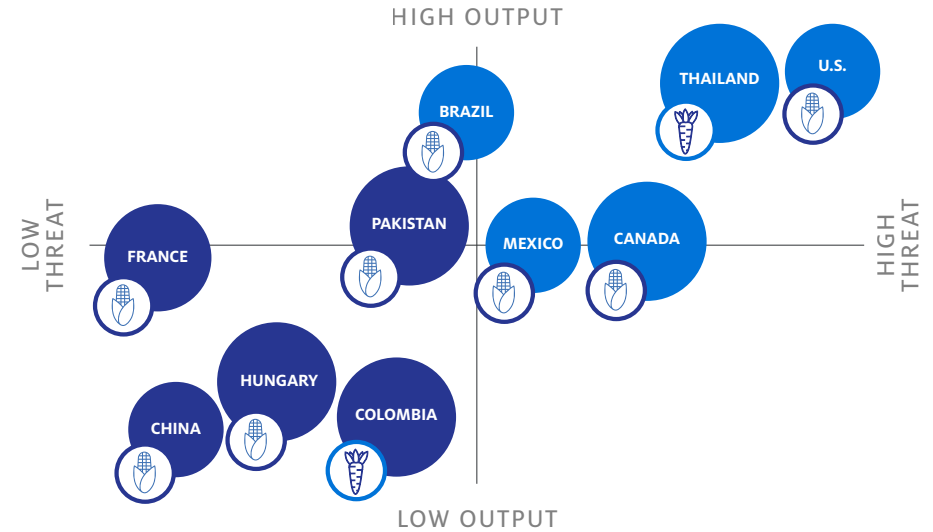
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Pesticide and Fertilizer Use



As part of the output from our Rutgers project, the student team developed a matrix to help Ingredion understand biodiversity risk causes and where geographically in our supply chain they have the biggest impact relative to sourcing volumes. This work will help us determine prioritization as we start to roll out continual improvement practices with our growers.



We value the continued engagement of Ingredion in the Rutgers MBS Externship Exchange Program, which gives our students mentorship from professionals in their fields of interest while helping Ingredion on real-world projects that are helping to shape programs for both their organization as well as the broader food and beverage supply chain.

ABBE ROSENTHAL (SHE/HER)
Assistant Director MBS Externship Exchange and Corporate Partnerships



02

Biodiversity Protection

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WORKING TOWARD ZERO DEFORESTATION

Very much like our efforts in biodiversity, we needed to get a high percentage of growers evaluated under SAI Platform's FSA before we could better understand where deforestation is a risk in our supply chain. Fortunately, the crop that makes up the vast majority of our sourcing globally is corn, a row crop not typically associated with deforestation. Additionally, Ingredion does not source any of the four main commodities CDP associates with deforestation – timber, palm oil, cattle products, or soy – in their Forest questionnaire.

Even with our deforestation risk being relatively low, we are still committed to enhancing our supply chain transparency in this space so we can better understand how our commitment to no deforestation or unsustainable wood use impacts our operations.

From our grower FSA evaluations, as well as from our Rutgers student project, we have identified Brazil and Canada as sourcing geographies where we would like to continue to gather more information going forward.

Aside from our work to evaluate possible deforestation risk in our supply chain, Ingredion employees around the world also engaged in various tree planting activities. One example includes employees from our Westchester corporate office celebrating Earth Day 2022 by volunteering to plant trees as part of a bigger Morton Arboretum project.



EMPLOYEES ENGAGE IN TREE PLANTING AT THE MORTON ARBORETUM FOR EARTH DAY





2022

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03



03

Sustainable & Regenerative Agriculture

Investing in a more climate smart supply chain

2025 Goal

100% OF OUR TIER 1 PRIORITY CROPS SUSTAINABLY SOURCED

In 2022, we continued to make investments in our sustainable and regenerative agriculture programs, working to create a more climate-resilient supply chain while delivering the differentiated ingredients our customers and their consumers want. We continue to make excellent progress on our target to sustainably source 100% of our Tier 1 priority crops (corn, tapioca, potatoes, stevia, and pulses), with 48% of those priority crops being covered under our sustainable sourcing program. This puts us on track to achieve our target by 2025, which will mean that Approximately 99% of our global sourcing by volume is covered by our Tier 1 priority crops.



We had previously identified dent corn in the United States as critical area to drive progress toward our sustainable sourcing goals in 2022. That's why we were so excited to partner with Truterra to help us progress efforts with our corn growers.

ANDY UTTERBACK (HE/HIM)
Senior Manager of Sustainability and
Ingredient's Global Lead for Sustainable Agriculture

Ingredion's multi-year partnership with Truterra will continue to scale up of sustainable dent corn volumes in the US through 2025.

Additionally, we had a target of having 100% of our global waxy corn sustainably sourced by the end of 2022. We are pleased to indicate that we reached 99% against that target, with only a small percentage of waxy corn not being included. This remaining 1% was due to mostly to flooding in Pakistan that impacted corn crops, and a small part due to additional corn needed with the startup of our Project Five Star expansion in China.



Performing at these levels of sustainable agriculture, and having traceability of our supply chain, enables us to continue to focus on areas where we can drive further value with our growers.

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Sustainable & Regenerative Agriculture

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PROMOTING REGENERATIVE FARMING

We continue to see regenerative agriculture as an important component of our sustainability strategy, helping both to build more climate-resilient farms in our supply chain, but also as a mechanism to reduce the agricultural Scope 3 emissions of both Ingredion and our customers. As such, in 2022, we continued to look for opportunities for new or expanded regenerative agriculture projects with our growers. After a successful pilot of approximately 15,000 acres with PepsiCo and the Soil and Water Outcomes Fund (SWOF) in 2021, we are excited to have included another estimated 45,000 acres in this program.

On top of that, Ingredion has worked with other customers to scope out regenerative agriculture projects in North and South America which are expected to launch in 2023 and beyond. Some of these projects will look to leverage further collaboration with SWOF and grant funding from the US Department of Agriculture's (USDA) Partnership for Climate-Smart Commodities program.

As a founding member of SAI Platform's regenerative agriculture program, we continue to work as part of an industry team building and shaping a regenerative agriculture standard for the food and beverage industry. We see this alignment as critical to progressing against our goals. As there are varying definitions and expectations around the terminology "regenerative agriculture," a common framework is expected to help us move farther and faster together with customers and other industry leaders.

COMMITMENT TO THE AGWATER CHALLENGE

In 2021, Ingredion became part of the new cohort of the Ceres and World Wildlife Fund's AgWater Challenge, which is designed to promote more sustainable water use across agricultural supply chains. Ingredion's commitment includes making sure a million acres of crops in our supply chain are under regenerative practices, particularly for growers in extremely high water-stress geographies. We see these regenerative practices as the primary mechanism for promoting sustainable water management among our farmer suppliers.

In 2022, we progressed to having over 50,000 acres in regenerative agriculture projects, mostly through our collaboration with PepsiCo. As we continue to scale up our efforts, we are aspiring to have more than 100,000 acres under regenerative programs by the end of 2023. This will keep us on track to meet our 2030 AgWater Challenge commitments.



03

Sustainable & Regenerative Agriculture

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COLLABORATING TOWARD MUTUAL GOALS

Ingredion continues to view our collaboration with sustainable agriculture organizations like Field to Market and SAI Platform as instrumental in helping us achieve our short and long-term sustainable and regenerative agriculture goals. We continue to be involved in a number of work groups and committees that are helping to shape the evolution of those organizations as well as sustainability in the food and beverage industry.

In an effort to continue to play a valuable role in collaborating with SAI Platform and other member organizations, Ingredion applied in 2022 for a position on the SAI Platform’s Executive Committee. We are very pleased that Andy Utterback, our head of global sustainable and regenerative agriculture, was elected in October by the member organizations to a seat on the Executive Committee.

In 2022, Ingredion once again partnered with Unilever and fertilizer manufacturer Yara on a program to optimize fertilizer use to reduce CO₂e emissions and maximize grower yields. Growers in five locations were provided with tailored fertilizer programs meant to optimize the timing and type of fertilizer used on their corn fields. The purpose of the custom plan is to allow growers to reduce the amount of fertilizer used by reducing losses due to volatilization and denitrification. This will allow level-to-increased yields versus typical practices while maintaining input margins for the growers. Based upon the data from the trial locations, growers using the new fertilizer products saw a:



27.5%
REDUCTION OF
CO₂E BASED UPON
CALCULATIONS FROM
THE COOL FARM TOOL



10.3%
YIELD INCREASE
VERSUS BASELINE
AND CHECK FIELDS

Information learned in 2022 has helped Ingredion identify specific fertilizer programs to target for a larger scale rollout in 2023.



Thailand SMART Agriculture Program



In 2022, Ingredion Thailand worked with local tapioca growers in our supply chain to implement a SMART agriculture program. Carried out with the help of interns, this program focuses on five key areas to help improve climate-friendly practices with local farmers:

Safety & Health Measurement & Data Air Quality & Emissions Regenerative Agriculture Technology & Innovation

Using SAI Platform’s Farm Sustainability Assessment as a foundation, the program assessed 984 farmers supplying into our operations, validating that their farms met the FSA Silver performance level and resulting in an additional 130,000 metric tons of sustainably sourced crops contributing to Ingredion’s overall sustainable sourcing targets.

“Due to the variance in growers practices, getting to validated, sustainable volumes of crops has not been easy in Thailand,” said Phairote Chowtivicha, Procurement and Sourcing Director, ASEANI. *“These results are not from a single year’s efforts, but rather from the result of multiple growing seasons where we have collaborated with farmers to continually improve efficiency and environmental stewardship.”*



03

Food Security

Our strategy to help drive food security

Although our work in support of Food Security is closely linked to other initiatives in our All Life plan, we call it out separately as a way to make certain that our efforts in sustainability are also linked to a planet that is more food secure. As such, we have three primary elements in our efforts to support food security:



1 Developing and promoting products that support food security



2 Supporting small holder farmers in our supply chain in being more efficient growers and increasing yields



3 Reducing food waste in our operations and across our supply chain

INNOVATING PRODUCTS TO SUPPORT FOOD SECURITY

In developing products that support food security, we consider a few main factors where we can support global food availability. First, there is the more environmentally friendly production of proteins in support of a more healthy planetary diet by 2030. Ingredion's plant-based protein line of products can help our customers formulate for the growing consumer plant-based trend, while also potentially helping them reduce environmental impact when compared to animal proteins. We believe that these plant-based protein products have a significant role to play in global food security, particularly as more consumer-facing companies look to create products in line with their science-based carbon reduction targets.

In addition to growing our plant-based protein line of products, we also have a focus on affordability as another important element to food security. After all, it's not enough to produce environmentally-friendly food, it must also be accessible and affordable to the people most in need. Ingredion's Affordability line of products helps our customers control costs while maintaining product performance for their consumers. For example, Ingredion's N-CREAMER 2000 allows for the reduction of egg products in formulations with modified starch that provides emulsification while lowering overall formulation costs.



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03

Food Security

SUPPORTING SMALL HOLDER FARMERS IN OUR SUPPLY CHAIN

Helping small holder farmers become more efficient and climate-smart growers is also critical to supporting food security by 2030. As part of Ingredion's greater commitment to drive sustainable sourcing throughout our supply chain (*see the Sustainable and Regenerative Agriculture section of this report for more information*), we are working with small holder farmers in various areas across the globe. Examples of these activities include:

Working with farmers in China to reduce fertilizer use while improving on-farm yields.

Working with growers in Pakistan on projects like flood recovery, as well as solutions to reducing aflatoxin contamination of their corn.

Supporting growers in Colombia to form co-operatives that help them get preferential pricing on farm inputs and financial tools like crop insurance.

Implementing a SMART agriculture program with growers in Thailand to promote practices like regenerative agriculture that support soil health.



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In geographies like these around the world, Ingredion has a long-standing history of working with growers in various aspects of agriculture such as on-farm safety, efficient water use, integrated pest management, and responsible pesticide use, just to name a few.

03

Community Impact

Making a positive impact in our communities

BEING RESPONSIBLE MEMBERS OF OUR COMMUNITIES

We believe that aside from the financial contributions our operations bring to the communities in which we operate, we have an obligation to help drive a positive impact in those communities. To do this, we have aligned our Community Impact targets with UN Sustainable Development Goals (SDGs) focused on eliminating hunger, supporting education, gender equality, and sustainable water management. The SDGs provide an excellent framework for the type of engagement needed to drive impact. And because many of our customers are also aligned to these SDGs, we are hopeful this will provide opportunities for future collaboration.

In 2022, we used external resources to map issues such as childhood malnutrition rates, graduation rates, gender equity, and water stress against the geographic locations in which we operate. The resulting map provides our facilities with an indication of what are the most critical support needs in their communities, so that we understand where to focus our efforts.

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COMBATTING HUNGER IN OUR COMMUNITIES

As an ingredient company primarily operating in the food and beverage industry, it is only natural that we have a passion for feeding people. Whether it's volunteering at our local food banks, engaging in collaborations to feed undernourished school children, or supporting small holder farmers in increasing their yields, our employees around the globe continue to engage with others in our communities to help combat hunger.

In 2022 we were pleased to continue our partnership with The Global FoodBanking Network (GFN) by again being a corporate sponsor of the Food Bank Leadership Institute (FBLI), a global meeting that helps support food banks around the world with education and best practice sharing. Additionally, we are working with GFN to re-launch a program where Ingredion personnel provide technical support for food banks located near our facilities.



While our employees love opportunities for traditional volunteering at food banks, we understand that there is an even better way we can provide support. Many food banks can really use help in areas such as safety, food safety, logistics, and other areas where the technical expertise of Ingredion employees can be a valued resource.

BRIAN NASH (HE/HIM)
Vice President, Corporate Sustainability

We will continue to look for opportunities to partner with members of our communities, customers, and NGOs to further our efforts in the future.

03

Community Impact

Feeding school children in Kenya

In 2022, Ingredion partnered with Royal DSM and TetraPak to pilot a program, called Porridge 4 Education, aimed at addressing malnutrition in school-aged children in Kenya. This project was designed to leverage the strengths of these companies to develop a “Super Porridge”, a ready-to-drink cereal. This Super Porridge uses locally grown, climate-resilient crops in Kenya, including corn, soy, sorghum, and sweet potato, and is highly fortified with 15 micronutrients including vitamin A, C, E, Calcium, Zinc, and Iron. Ingredion’s contribution to this dynamic and collaborative partnership was via one of its state-of-the-art Idea Lab innovation centers in Nairobi, Kenya, which houses modern technology and equipment to foster science-based collaboration and problem solving for customers.



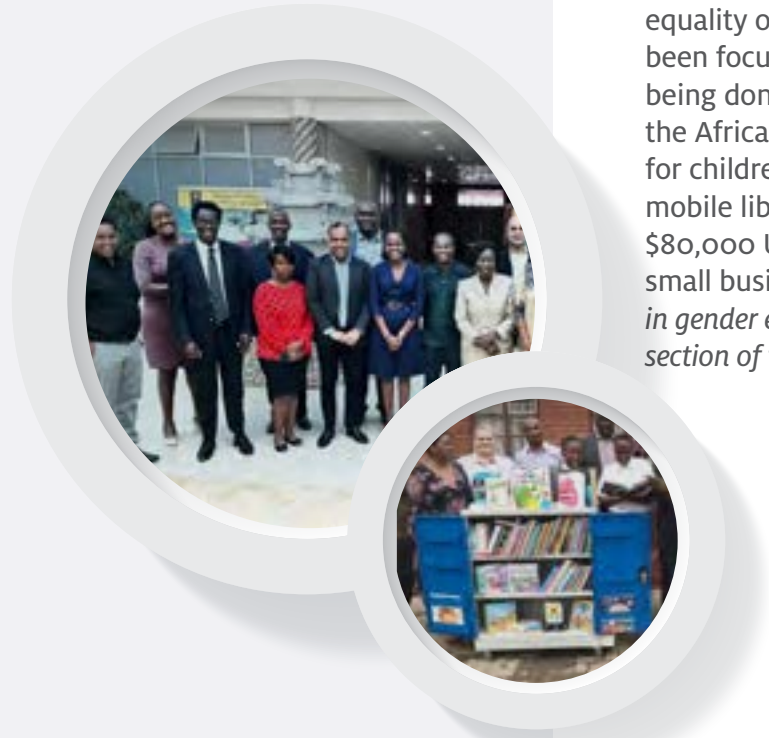
The pilot program reached 5,000 children, but there are aims to reach enrollment for 455,000 children in targeted school districts going forward.



SUPPORTING EDUCATION AND GENDER EQUALITY

Two more areas of impact under our All Life plan include supporting education and promoting gender equality. These efforts sometimes overlap, as we find that education can be a critical component of inequality. And while we are working to have a positive effect on graduation rates in education, sometimes our focus is on education outside of the classroom. For example, we continue to leverage our local agricultural teams to provide training to farmers in our supply chain. And more and more this includes educating women small holder farmers who may not have been afforded the same agricultural education opportunities.

Another great example of our work comes from Ingredion’s business in South Africa. There in 2022, our team received the Broad-Based Black Economic Empowerment (B-BBEE) certification for the third consecutive year. The B-BBEE Act was established in South Africa in 2004 to promote equality of black people in society. As part of this effort, Ingredion has been focused on supporting local education, with over \$120,000 USD being donated in the last three years with partnerships such as the African Leadership Academy, The Forest Town School for children with special needs, and the Quali Books mobile library service. Additionally, we spent over \$80,000 USD in support of black women-owned small business. *For more information on our efforts in gender equality, please see the DEI + Belonging section of this report.*



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03

Community Impact

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PROMOTING SUSTAINABLE WATER MANAGEMENT

Water is an important resource in our operations, so it is critical that we are good stewards of managing it. But sustainable water management is complex and cannot be fully understood just by looking at our operations. Using water sustainably always involves putting it context with the local geography and its uses. That is why on top of the context-based water goals we have established for our manufacturing locations, we are also focused on water education and awareness, particularly in high water stress areas.

An example of our efforts can be seen in Brazil, where in 2022 one of their Community Impact projects was “Agua a Vista”. This project provided education for approximately 1,200 students and teachers in 15 public schools. This training was aimed at raising awareness around natural resource protection, especially as it relates to water.

EXPANDING EMPLOYEE ENGAGEMENT

In April 2022, we launched in the United States the use of the YourCause online platform for making personal donations and coordinating employee volunteering activity. Not only does this platform streamline philanthropy and matching gift efforts, but also enables employees to setup volunteer events and connect with others that share their passion. From April to December we provided:



IN DONATIONS FROM U.S. EMPLOYEES THROUGH YOURCAUSE



IN MATCHING CONTRIBUTIONS FROM INGREDIENT

We intend to continue rollout of YourCause across our global operations throughout 2023. We are working closely with our Business Resource Groups, as well as our local All Life Impact Teams, to leverage this platform and accelerate progress toward our Community Impact Goals. *For more information on our BRGs, please see the DEI + Belonging section of this report, as well as our annual DEI Report which is available on our website.*



MEMBERS OF THE ANALYTIC AND MEASUREMENT SCIENCE AND LOCAL SUSTAINABILITY TEAMS AT OUR BRIDGEWATER INNOVATION CENTER VOLUNTEERED AT TWO FARMS IN NEW JERSEY TO HARVEST FOOD FOR LOCAL RESIDENTS IN SUPPORT OF THE GROW-A-ROW PROGRAM.

THE TEAMS HARVESTED ENOUGH FOOD TO PROVIDE OVER 19,000 SERVINGS, WHICH WERE DONATED TO LOCAL FOOD BANKS.



2022

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GOVERNANCE



governance



ENHANCING SUSTAINABILITY GOVERNANCE

Integrity is an essential ingredient to our company’s success and sustainability. At Ingredion, we call Ethics and Compliance “Business Integrity” because we understand that ethical business practices are essential to an inclusive, sustainable, and purpose-driven culture. The Business Integrity Program strives to deliver the ethics and compliance education, training, and tools that empower all our people to confidently live our values and deliver on Ingredion’s purpose to bring the potential of people, nature, and technology together to make life better.

The foundation of our Business Integrity Program is our values-based Code of Conduct, published in 11 languages. It is further supported by corporate policies and assessment activities that further education and understanding to operationalize our values.



The leadership and governance of our Business Integrity Program provides oversight of our program. At the Board level, the Governance and Nominating Committee provides oversight of our corporate governance practices and Business Integrity Program. Senior-level regional and corporate management provide oversight for significant strategies and policies.

In 2022, Business Integrity provided mandatory employee training for improved organizational effectiveness that aims to protect our people, processes, and technology.

This training included:

- **Speaking Up/Non-retaliation**
- **Anti-harassment and Microaggression**
- **Antibribery and Corruption**
- **Code of Conduct**
- **Recognizing and Avoiding Conflicts of Interest**

Training and communication in 2022 culminated in Ingredion’s first global celebration of business integrity, ethics, and compliance. Our Global Integrity Week celebrated how Ingredion embraces and operationalizes our core values in the areas of sustainability, DEI, and ethical business practices.



Creating more transparency around our reporting and investigating processes, Business Integrity has begun sharing real-life cases in our quarterly e-newsletter sent to Ingredion leaders and employees. All communications, including our Code of Conduct and our Supplier Code of Conduct, contain contact information to report matters or ask questions of the Business Integrity Office. The Business Ethics Line is operated by an independent company and is available to receive confidential reports from anyone within or outside the company. The Business Ethics Line is operated by an independent company, 24/7, and is available to receive confidential reports from anyone within or outside the Company. *For more information on our work with suppliers, please see the Human Rights section of this report.*

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Board Oversight

The Board has adopted Corporate Governance Principles, which are designed to promote the effective functioning of the Board’s activities, to ensure that we conduct our business in accordance with the highest ethical and legal standards. Ingredion’s Corporate Governance Principles ensure that strong, independent Directors continue to effectively oversee company management and provide vigorous oversight of how we address key issues relating to strategy, risk, and integrity.

The Board’s three standing committees—the Audit Committee, the People, Culture and Compensation Committee, and the Corporate Governance and Nominating Committee—each operates pursuant to a written charter adopted by the Board. Each committee provides regular reports to the full Board on risk assessment and risk management matters within its respective scope.

OUR AUDIT COMMITTEE

This committee comprises “independent directors,” as defined under the rules of the New York Stock Exchange. Consistent with the corporate governance standards of the NYSE, the Audit Committee of the Board has primary responsibility for oversight of the company’s risk management profile and its compliance with legal and regulatory requirements.

OUR PEOPLE, CULTURE AND COMPENSATION COMMITTEE

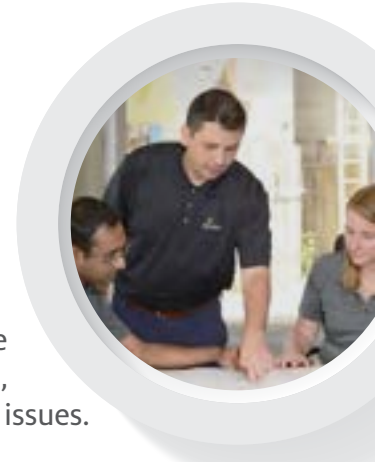
The People, Culture and Compensation Committee oversees human resource and labor matters as well as executive and director compensation issues and considers whether the company’s compensation plans, policies, and practices

encourage excessive or inappropriate risk taking that could have a material adverse effect on the company.

OUR GOVERNANCE AND NOMINATING COMMITTEE

Pursuant to its charter, the Corporate Governance and Nominating Committee addresses potential risks that could result from the absence of independence or diversity on the Board, potential conflicts of interest, ethics and compliance, environmental and quality matters, and security and safety issues.

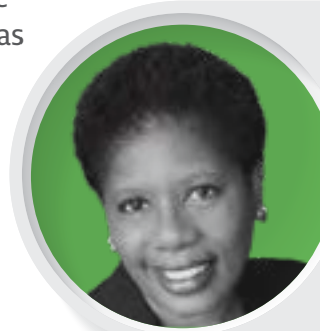
In 2022, further efforts were made in aligning oversight of our sustainability activities with the appropriate board committees. This oversight is enhanced through our ESG Executive Advisory Committee, which is comprised of six of our executive officers and serves as an oversight group between our Global Sustainability Council and the Board of Directors.



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We find that there is always a clear understanding in sustainability conversations with customers. While our customers may ask us for lower carbon footprint or sustainably sourced ingredients, the unequivocal understanding is that those ingredients will also be sourced and made in an ethical and responsible manner. Always acting with integrity is paramount to our success through sustainability.

KIMBERLY WHITE (SHE/HER)
Corporate Compliance Officer

governance

LINKING SUSTAINABILITY TO EXECUTIVE COMPENSATION

This year we also progressed our efforts to link executive compensation to our sustainability performance. Our executive leadership team now has direct measurement tied to the company performance in safety performance, carbon emission reductions, sustainable sourcing progress, and Diversity, Equity, and Inclusion (DEI) targets. While Ingredion employees have had a long-standing link in compensation to safety performance, this marks a further evolution in aligning with some of the key targets in our All Life plan.

ECOVADIS

Ingredion continues to use the EcoVadis platform as a tool for evaluating our sustainability program and its progress, as well as to connect with our customers. Over the past few years, we have seen the number of customers wanting to connect through EcoVadis rise from a few dozen to nearly 100, as the platform continues to elevate their strict criteria for being aligned with their assessment elements.



In 2022, we were assessed at the Bronze level. While we are not satisfied with our performance – having previously been at the Silver level – we will continue to use EcoVadis’ feedback as a benchmark for improving our performance.

ETHISPHERE WORLD’S MOST ETHICAL COMPANIES LIST

Ingredion’s leadership in sustainability, governance, ethics, and compliance in 2022 led to it being honored for the ninth time as one of the World’s Most Ethical Companies© by Ethisphere Institute for 2023.



IMPROVING ESG REPORTING

We continue to see a growing focus from investors on Environmental, Social, and Governance (ESG) topics associated with Ingredion’s business. In order to improve that reporting and better align with the information being requested by our broad investor base, we are again reporting against the Global Reporting Initiative (GRI) index and the Taskforce on Climate-related Financial Disclosure (TCFD). These indexes can be found as an appendix to this report.

CYBERSECURITY AND DATA PRIVACY

Cybersecurity and data privacy remain critical to our commitment to protect Ingredion, our customers, and other business partners from digital threats that have the potential to impact operations, reputations, and the financial health of organizations. Ingredion has a dedicated cybersecurity team that is solely focused on monitoring threats and vulnerabilities, so that we may respond to any potential concerns in a timely and effective manner. To this end, we have implemented various measures across our business, such as firewalls, intrusion detection systems, multi-factor authentication, and regular vulnerability testing and patching. In 2022, we continued to regularly update our cybersecurity policies and procedures, as well as conduct regular training and awareness campaigns for all applicable employees. We continually work to stay current with evolving threats and emerging technologies, and to ensure we remain compliant with applicable laws and regulations.

In 2022, Ingredion had no cybersecurity incidents impacting our business or compromising customer information.

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POSITIONED for the future

Thank you for your interest in Ingredion's sustainability program, and for taking the time to review our report. I am very proud of the progress we have made in 2022, and I am even more proud of the collaborations we have forged in driving that progress. We know that we cannot reach our 2030 All Life Plan aspirations alone, and this year marked further partnerships with customers, suppliers, NGOs, and communities where we operate to get there. We know we still have a lot of work ahead of us, but now more than ever we are positioned to rise to our challenges.

This past year marked many discussions with strategic customers, all of which expressed to us how sustainability continues to increase as a priority for their businesses. Similar to us, they see sustainability and growth as closely aligned and interdependent. They also want to engage with their supply chain partners on this journey.

I am excited that this past year has seen a continued growing amount of investment in the sustainability space from our company. We are collaborating with customers and NGOs to implement regenerative agriculture practices on the farms in our supply chain, while also reducing the on-farm carbon emissions that are a major contributor to our Scope 3 emissions. We have invested

in a partnership with HowGood, the world's largest product sustainability database that helps us better understand how our products perform against several sustainability attributes. We continue to engage in MISTA, a multi-dimensional innovation platform focused on transforming the global food system to meet the needs of the future. This is on top of the millions we invested in 2022 to drive reductions in our carbon emissions and water usage.

We have seen changes in our sustainability program since the launch of our All Life plan in 2020, both in the expectations and needs of our stakeholders, as well as changes and priorities in our own efforts. I know that over the next few years, we will see the global landscape of sustainability continue to evolve, putting new demands on our business, but also opening the door for new and exciting opportunities.

While we don't have all the answers we need today, we are committed to having a seat at the table and working closely with our business partners to create a better world.



LARRY FERNANDES (HE/HIM)
Senior VP, Chief Commercial
and Sustainability Officer



The Organization and its Reporting Practices

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
2-1	Organizational Details	Legal Name: Ingredion Incorporated Ownership and legal form: 2022 Annual Report Location of headquarters: Chicago, Illinois (USA) Location of operations: 2022 Annual Report		Additional information on our locations can be found at www.ingredion.com .
2-2	Entities included in the organization's sustainability reporting	2022 Annual Report		
2-3	Reporting period, frequency and contact point	Reporting period: 2022 Sustainability Report Frequency: Ingredion's sustainability reports are issued annually and based on calendar year Contact Point: Inquiries about this GRI Index or Ingredion's sustainability program can be directed to corpcomm@ingredion.com		Ingredion provides updates on our efforts on an annual basis.
2-4	Restatements of information			There were no restatements of information in Ingredion 2022 Sustainability Report
2-5	External assurance	2022 CDP Water; 2022 CDP Climate Change; 2022 Sustainability Report		Data reported in Ingredion's 2021 CDP Water and Climate Change questionnaires are verified by Apex. Additionally, volumes covered by Ingredion's sustainable sourcing program are also reviewed and assured externally by Apex.

Activities and Workers

NUMBER	DESCRIPTION	CROSS-REFERENCE / RESPONSE	SDG LINK	ADDITIONAL COMMENTS
2-6	Activities, value chain, and other business relationships	2022 Sustainability Report 2022 Annual Report		Additional information on our products can be found at www.ingredion.com . There were no significant changes to Ingredion or its supply chain in 2022.
2-7	Employees	2022 Annual Report		
2-8	Workers who are not employees			



Governance

NUMBER	DESCRIPTION	CROSS-REFERENCE / RESPONSE	SDG LINK	ADDITIONAL COMMENTS
2-9	Governance structure and composition	Ingredion Incorporated Corporate Governance Principles 2022 Annual Report Board of Directors (Ingredion website)	5	The Principles can be accessed at www.ingredionincorporated.com/investors/Governance.html
2-10	Nomination and selection of the highest governance body	Ingredion Incorporated Governing and Nominating Committee Charter; Ingredion Incorporated Corporate Governance Principles		The Charter and Principles can be accessed at www.ingredionincorporated.com/investors/Governance.html
2-11	Chair of the highest governance body	2022 Annual Report; Board of Directors (Ingredion website)		
2-12	Role of the highest governance body in overseeing the management of impacts	2022 Sustainability Report Ingredion Incorporated Corporate Governance Principles and Nominating Committee Charter	16, 17	Ingredion engages with customers, investors, NGOs, trade associations, and other stakeholders to obtain input on a variety of topics. The Board regularly reviews the strategy and objectives of the company and our sustainability efforts. The Principles and Charter can be accessed at www.ingredionincorporated.com/investors/Governance.html . Aside from the general governing responsibility of the Board of Directors, the Governance and Nominating Committee of the Board has direct oversight for sustainability.
2-13	Delegation of responsibility for managing impacts	2022 Sustainability Report		Ingredion's Governance and Nominating Committee of the Board of Directors has oversight responsibility for sustainability
2-14	Role of the highest governance body in sustainability reporting	2022 Sustainability Report		Ingredion's global Sustainability Council operates under the guidance of the Governance and Nominating Committee of the Board of Directors.
2-15	Conflicts of interest	Code of Conduct		The Code of Conduct can be accessed at https://www.ingredionincorporated.com/CorporateResponsibility/CodeofConduct.html



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2-16	Communication of critical concerns	Concerns can be communicated by any employee (1) to the executive leadership team directly or through managers, (2) to the corporate Business Integrity Committee directly or through anonymous reporting hotline, or (3) to the Corporate Compliance Officer who communicates independently with the Board of Directors.		
2-17	Collective knowledge of the highest governance body	Ingredion Incorporated Governing and Nominating Committee Charter		The Governance and Nominating Committee Charter covers sustainability responsibility, as well as stipulations for seeking Resources and Consultants where appropriate. The Charter can be accessed at www.ingredionincorporated.com/investors/Governance.html
2-18	Evaluation of the performance of the highest governance body	Ingredion Incorporated Corporate Governance Principles; Ingredion Incorporated Governing and Nominating Committee Charter		The Principles and Charter can be accessed at www.ingredionincorporated.com/investors/Governance.html
2-19	Remuneration policies	2022 Annual Report; Governance (Ingredion website)		
2-20	Process to determine remuneration	Ingredion Incorporated Compensation Committee Charter		The Charter can be accessed at www.ingredionincorporated.com/investors/Governance.html
2-21	Annual total compensation ratio	Ingredion 2022 Proxy Statement (p. 25)		

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Strategy, Policies, and Practices

NUMBER	DESCRIPTION	CROSS-REFERENCE / RESPONSE	SDG LINK	ADDITIONAL COMMENTS
2-22	Statement on sustainable development strategy	2022 Sustainability Report		Our report includes statements from both our CEO and CSO.
2-23	Policy commitments	Code of Conduct; Our Values (Ingredion website)	16	The Code of Conduct can be accessed at https://www.ingredionincorporated.com/CorporateResponsibility/CodeofConduct.html
2-24	Embedding policy commitments	Code of Conduct; Our Values Supplier Code of Conduct (Ingredion website)	16	The Code of Conduct, Our Values and Supplier Code of Conduct can be accessed at https://www.ingredion.com/na/en-us/company/meet-ingredion/sustainability.html
2-25	Processes to remediate negative impacts	Code of Conduct		Ingredion utilizes a number of mechanisms for ethics, including items such as open-door policies and an anonymous reporting line.
2-26	Mechanisms for seeking advice and raising concerns	Code of Conduct		Ingredion utilizes a number of mechanisms for ethics, including items such as open-door policies and an anonymous reporting line.
2-27	Compliance with laws and regulations	Ingredion discloses fines and non-monetary sanctions as required by the laws and regulations applicable to its operations including, among others, SEC reporting requirements.		Ingredion did not pay any significant environmental fines in 2022.
2-28	Membership associations	2022 Sustainability Report	17	Ingredion is a member of multiple organizations with a sustainability focus, including the SAI Platform, Field to Market, The Campbell Institute, and others.



Stakeholder Engagement

NUMBER	DESCRIPTION	CROSS-REFERENCE / RESPONSE	SDG LINK	ADDITIONAL COMMENTS
2-29	Approach to stakeholder engagement	List of stakeholder groups: 2022 Sustainability Report (various listed throughout) Identifying and selecting stakeholders: Ingredion has conducted an internal stakeholder assessment, which examined the overlap between areas most important to our sustainability strategy and our existing stakeholder engagement. We utilize this assessment to inform where we may solicit additional stakeholder input. Approach to stakeholder engagement: We engage with stakeholders in two ways: (1) as a part of regularly scheduled meetings through organizational membership, and (2) on an as-needed or as-requested basis.		Ingredion engages with customers, investors, NGOs, trade associations, and other groups to solicit input and feedback on our sustainability efforts. Some of these stakeholder groups and their engagements are referenced in our sustainability report. Others are not referenced explicitly due to constraints on space in the sustainability report or confidentiality concerns. Ingredion undertakes stakeholder engagements as a normal course of business, and not solely for the preparation of our annual sustainability report.
2-30	Collective bargaining agreements	45% of Ingredion's manufacturing plants have collective bargaining agreements in place.		Per our internal Social Accountability Management System, employees have the right to establish collective bargaining agreements. Our labor practices across our manufacturing operations are audited utilizing 4-pillar Sedex Member Ethical Trade Audits (SMETA).

Disclosures on Material Topics

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
3-1	Process to determine material topics	2022 Sustainability Report		Ingredion's All Life plan was developed based upon stakeholder analysis and materiality assessment. Reporting against our sustainability pillars addresses the key points of these assessments.



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3-2	List of material topics	List of material topics: 2022 Sustainability Report; CDP Climate Change and Water reports Changes in reporting: 2022 Sustainability Report		Our sustainability report contains a Materiality Matrix to highlight key topics. No significant changes in reporting have occurred for 2020, with the exception of the inclusion of new acquisitions into the company safety statistics.
3-3	Management of material topics	2022 Sustainability Report (The content of our report is based on those topics most material to our business.) Ingredion has a Global Sustainability Council made up of senior leaders within the organization. This group meets on a regular basis to assess progress against the company's sustainability strategy. Periodic reports are also made to the Executive Leadership Team, as well as the Board Governance and Nominating Committee (GNC), which both assess performance.		Ingredion utilizes the Sustainability Accounting Standards Board (SASB) Materiality Map as an external benchmark to help validate our internal materiality assessment.

Economic Performance

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
201-1	Direct economic value generated and distributed	2022 Annual Report		
201-2	Financial implications and other risks and opportunities due to climate change	2022 CDP Climate Change	13	
201-3	Defined benefit plan obligations and other retirement plans	2022 Annual Report		



Indirect Economic Impact

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
203-1	Infrastructure investments and services supported	Any such investments are made at the local or regional level and are not collected at this time at the corporate level.		
203-2	Significant indirect economic impacts	This information is not currently collected at the corporate level within Ingredion.		

Procurement Practices

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
204-1	Proportion of spending on local suppliers	Ingredion manages this activity at the regional or local level and does not currently have the data to report this at the corporate level.		

Anti-Corruption

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
205-1	Operations assessed for risks related to corruption	As part of our risk management processes, Ingredion continually assesses our operations for risks related to corruption, as well as other activities related to compliance with local laws and/or our policies on business conduct.		
205-2	Communication and training about anti-corruption policies and procedures	All employees receive ethics training and sign-off on Ingredion’s Code of Conduct, as well as our company values.		This training was conducted again in 2022, in accordance with the policies in our Code of Conduct.



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Anti-Competitive Behavior

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
206-1	Legal action for anti-competitive behavior, anti-trust, and monopoly practices	There were no legal actions against Ingredion in 2022 for anti-competitive behavior.		

Materials

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
301-2	Recycled input materials used	This information is not currently collected at the corporate level.		The primary raw materials in Ingredion products are agricultural crops, which are not recycled material, but are from renewable sources.
301-3	Reclaimed products and their packaging material	This information is not currently collected at the corporate level within Ingredion.		

Energy

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
302-1	Energy consumption within the organization	2022 CDP Climate Change	13	
302-2	Energy consumption outside the organization	2022 CDP Climate Change	13	
302-3	Energy intensity	2022 CDP Climate Change	12, 13	
302-4	Reduction of energy consumption	2022 CDP Climate Change	12, 13	
302-5	Reduction in energy requirements of products and services	2022 CDP Climate Change	12, 13	



Water

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
303-1	Water withdrawal by source	2022 CDP Water	6	
303-2	Water sources significantly impacted by withdrawal of water	2022 CDP Water	6	
303-3	Water recycled and reused	2022 CDP Water	6	

Biodiversity

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
304-1	Operational sites owned, leased, managed in, or adjacent to protected areas and areas of high biodiversity value outside protected areas.	2022 Sustainability Report	15	Ingredion has assessed our direct operations against biodiversity hotspots and have determined there is not a significant impact. As we continue to expand our efforts related to sustainability (e.g. energy from biomass), further evaluations will be made.
304-2	Significant impacts of activities, products, and services on biodiversity	2022 Sustainability Report	15	
304-3	Habitats protected or restored	2022 Sustainability Report	15	Engagement in support of local habitats is ongoing, with a particular focus on biodiversity hotspots and our crop supply areas.
304-4	IUCN Red List species and national conservation list species with habitats in areas impacted by operations	Ingredion has assessed our operations against the CEPF global biodiversity hotspot list, as well as the IUCN Red List, with no significant impact to either.		The biggest risk to species and habitats comes from the growers in Ingredion's supply chain. We are in the process of continuing to evaluate potential impacts.



Emissions

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
305-1	Direct (Scope 1) GHG emissions	2022 CDP Climate Change; 2022 Sustainability Report	13	
305-2	Energy indirect (Scope 2) GHG emissions	2022 CDP Climate Change; 2022 Sustainability Report	13	
305-3	Other indirect (Scope 3) GHG emissions	2022 CDP Climate Change	13	Full details on our estimated Scope 3 emission related to transportation and agricultural sourcing can be found in Ingredion's CDP report.
305-4	GHG emission intensity	2022 CDP Climate Change	13	
305-5	Reductions of GHG emissions	2022 CDP Climate Change; 2022 Sustainability Update	13	
305-6	Emissions of Ozone Depleting Substances (ODS)	This information is not currently collected at the corporate level within Ingredion.		

Effluents and Waste

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
306-1	Water discharge by quality and destination	2022 CDP Water	6	
306-2	Water by type and disposal method	2022 CDP Water	6	
306-3	Total weight of waste generated	2022 Sustainability Report		
306-4	Waste diverted from landfill	2022 Sustainability Report		
306-5	Water bodies affected by water discharges and/or runoff	2022 CDP Water	6, 14	Water basins potentially impacted by operations are identified utilizing the WWF Water Risk Filter.



Supplier Environmental Assessment

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
308-1	New suppliers that were screened using environmental criteria	2022 Sustainability Report; 2022 CDP Climate Change		Ingredion currently utilizes Sedex to assess environmental considerations of key suppliers. Additionally, key suppliers have been screened using the WWF Water Risk Filter, as reported in our 2021 CDP Climate Change questionnaire.
308-2	Negative environmental impacts in the supply chain	2022 Sustainability Report		

Employment

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
401-1	New employee hires and employee turnover	2022 Annual Report		
401-2	Benefits provided to full-time employees that are not provided to temporary or part-time employees	Benefits, and their variance between full-time and part-time employees, vary by country and region. These benefits may also be impacted by any collective bargaining agreements that are in place.		Benefits can include items such as paid holidays, health care insurance, bonus compensation, parental leave, educational tuition reimbursement, and other such items.
401-3	Parental leave	Parental leave varies by country and region and is managed locally in accordance with legal requirements.		Ingredion has enhanced its parental leave policies to extend maternity leaves, offer paternity leave for employees, and more accurately define benefits for adoptions and other similar considerations.



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Occupational Health and Safety

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
403-1	Workers representation in formal joint management-worker health and safety committees	All Ingredion manufacturing facilities have health and safety committees made up of workers and members of the local management team. The exact make-up of these teams may differ by location and be dictated by local law and/or collective bargaining agreement.		
403-2	Types of injuries and rates of injury, occupational disease, lost days and absenteeism, and the number of work-related fatalities	2022 Sustainability Report		The company reports Total Recordable Incidence Rates for employees and contractors. While information on occupational disease and lost days are collected, these are not reported publicly at this time.
403-3	Workers with high incidence or high risk of disease related to their occupation	Ingredion has identified no such high-risk groups within the organization.	3	Ingredion tracks work-related injuries and illnesses on an on-going basis, and this data is regularly assessed for trends so that mitigation actions can be taken.
403-4	Health and safety topics covered in formal agreements with trade unions	A variety of health and safety topics may be covered in formal agreements with various trade unions across our global operations.	3	Ingredion has an internal Environmental, Health and Safety Management System which covers our global operations and sets minimum standards of practice. This management system is aligned with ISO 14001 and OHSAS 18001 criteria.



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Training and Education

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
404-1	Average hours of training per employee	2022 Sustainability Report	3	Training such Environmental, Health, and Safety (EHS), Lean Six Sigma, Code of Conduct, and Cybersecurity are tracked at the corporate level. However, there is additional training at the local or regional level that may not be reported at the corporate level.
404-2	Programs for upgrading employees' skills and transition assistance programs	2022 Sustainability Report		Ingredion tracks some training activities globally, such as employees trained in Lean Six Sigma (LSS). Many additional skills-based training activities are coordinated at the local or regional level and are not reported at the corporate level. Ingredion has established targets around increasing training hours as part of our 2030 All Life plan.

Diversity and Equal Opportunity

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
405-1	Diversity of governance bodies and employees	2022 Bloomberg Gender Equality Index; 2022 Sustainability Report; 2022 DEI Report	5	As part of our reporting to the Bloomberg Gender Equality Index, we provide a variety of data on diversity. For example, we reported 19.4% of women in our total workforce, and 30% female representation on our Board.



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Freedom of Association and Collective Bargaining

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
407-1	Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk.	2022 Sustainability Report	8	Ingredion assesses our manufacturing operations with third-party Sedex Member Ethical Trade Audits (SMETA), which include interviews of employees around a variety of human rights considerations. To date, no issues have been identified where collective bargaining rights are at risk. Ingredion is in the process of defining risk criteria which will inform SMETA audits with suppliers.

Child Labor

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
408-1	Operations and suppliers at significant risk for child labor	2022 Sustainability Report	8	Ingredion utilizes Sedex/SMETA to assess suppliers, and the SAI Platform as our global program for assessing agricultural suppliers. Our agricultural supply represents our biggest potential risk for child labor issues, however, we utilize an assessment protocol that looks for child labor in farming operations. Approximately 98% of our global crop sourcing is from corn and tapioca, which are not typically associated with child labor risks. No instances of child labor were found during on farm audits in 2022.



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Forced or Compulsory Labor

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
409-1	Operations and suppliers at significant risk for forced or compulsory labor.	2022 Sustainability Report	8	Ingredion utilizes Sedex/SMETA to assess key suppliers, and the SAI Platform as our global benchmark in assessing our agricultural suppliers. Our PureCircle operations source stevia in China, with processes in place to ensure human rights practices within that supply chain.

Security Practices

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
410-1	Security personnel trained in human rights policies or procedures	This information is not currently tracked at the corporate level.		Training activity is currently managed at a local or regional level within Ingredion, and therefore training information is not available at the corporate level at this time. Training resources for Ingredion’s Social Accountability Management System have been provided across the business, as has training in our Code of Conduct and company values.

Rights of Indigenous People

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
411-1	Incidents of violations involving rights of indigenous people	Ingredion is not aware of any issues or violations in our operations involving the rights of indigenous people. 2022 Sustainability Report	16	Ingredion’s internal Social Accountability Management System addresses the rights of indigenous people, as well as processes for obtaining Free, Prior and Informed Consent (FPIC). We utilize external tools such as the LandMark Map to help identify geographic areas where considerations involving indigenous peoples may exist.



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Human Rights Assessment

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
412-1	Operations that have been subject to human rights reviews or impact assessments	2022 Sustainability Report		Ingredion manufacturing sites are assessed using third party Sedex Member Ethical Trade Audits (SMETA).
412-2	Employee training on human rights policies or procedures	Ingredion has implemented an internal Social Accountability Management System, which outlines our human rights practices and includes associated training. Additionally, all employees are trained on Ingredion’s Code of Conduct, which includes our policy on Human Rights.		Training activity is currently managed at a local or regional level within Ingredion, and therefore training information is not available at the corporate level at this time.
412-3	Significant investment agreements and contracts that include human rights clauses or that underwent human rights screening	These agreements or contracts may be managed at the local, regional, or corporate level. This information is not currently tracked at the corporate level.		

Local Communities

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
413-1	Operations with local community engagement, impact assessments, and development programs	2022 Sustainability Report		Ingredion does not have a centrally coordinated local impact assessment process at this time.

Supplier Social Assessment

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
414-1	New suppliers that were screened using social criteria	2022 Sustainability Report		Ingredion has a program to assess key suppliers through Sedex, SMETA, or similar programs.



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Marketing and Labeling

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
417-3	Incidents of non-compliance concerning marketing communication	No incidents of marketing non-compliance were identified in 2022.		

Customer Privacy

NUMBER	DESCRIPTION	CROSS-REFERENCE/RESPONSE	SDG LINK	ADDITIONAL COMMENTS
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	Ingredion had no such complaints made by our customers.		



Recommended Disclosures

RECOMMENDATION	DISCLOSURES	REFERENCE
Governance	Describe the organization’s governance around climate-related risks and opportunities	2022 CDP Climate Report (C1.1a-b)
	Describe management’s role in assessing and managing climate-related risks and opportunities	2022 CDP Climate Report (C1.2)
Strategy	Describe the climate related risks and opportunities the organization has identified over the short, medium, and long term	2022 CDP Climate Report (C2.1a, C2.3, C2.4)
	Describe the impact of climate-related risks and opportunities on the organization’s business, strategy, and financial planning	2022 CDP Climate Report (C2.3, C2.4)
	Describe the resilience of the organization’s strategy, taking into consideration different climate-related scenarios, including a 2°C or lower scenario	2022 CDP Climate Report (C3)
Risk Management	Describe the organization’s process for identifying and assessing climate-related risks	2022 CDP Climate Report (C2.1, C2.2)
	Describe the organization’s processes for managing climate-related risks	2022 CDP Climate Report (C2.1, C2.2)
	Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization’s overall risk management	2022 CDP Climate Report (C2.1, C2.2)
Metrics and Targets	Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process	2022 CDP Climate Report (C4.2, C9.1)
	Disclose Scope 1, Scope 2 and, if appropriate, Scope 3 greenhouse gas emissions and the related risks	2022 CDP Climate Report (C6)
	Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets	2022 CDP Climate Report (C4.1, C4.2)



Supplemental Sector Disclosures

FINANCIAL CATEGORY	CLIMATE-RELATED CATEGORY	METRIC	REFERENCE
Revenues	Risk Adaptation & Mitigation	Revenues/savings from investments in low-carbon alternatives	2022 CDP Climate Report (C4.3b)
Expenditures	Water	Total water-withdrawal and total water consumed Percent of water withdrawn and consumed in regions with high or extremely high baseline water stress	2022 CDP Water Report (W1.2b) 2022 CDP Water Report (W1.2d)
	GHG Emissions	Purchased energy (Scope 2) emissions from purchased heat, steam, and electricity consumed in company-owned plants	2022 CDP Climate Report (C4.1a)
Assets	Water	Number of company-owned production sites in regions with high or extremely high baseline water stress	2022 CDP Water Report (W4.1b, W4.2)
	Risk Adaptation & Mitigation	Investments (CapEx) in low carbon/water alternatives	2022 CDP Climate Report (C4.3b) 2022 CDP Water Report (W4.3, W7.2)