

Growing Sustainably

VALENT BIOSCIENCES
SUSTAINABILITY REPORT

2022





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About the Cover Art

The artwork on the cover of this year's Sustainability Report represents new sustainability initiatives at our Osage, Iowa, manufacturing facility—the Jiri-Rita Prairie Park and the Maple City Solar Field.



About Us

Our Strategy

Outpace our competitors and become the industry-leading provider of sustainable biological inputs delivering the most innovative and trusted solutions that increase our customers' return on investment and profitability.

Our Mission

To reimagine agriculture and public health through the power of fermentation and microbiology.

Our Focus

Build the strongest portfolio of biological solutions to improve agricultural productivity, protect public health, and keep our forests beautiful.

Sustainable

Derived from natural or biological origins, our biorational products are used in sustainable, organic, and conventional operations in 95 countries.

We Offer

One of the most extensive portfolios of biorational products in the world, with more than 100 different brands.

We Are

As a worldwide leader in the research, development, manufacturing, and commercialization of biorational solutions, our products are used widely for agriculture, turf and ornamental, public health, and forest health.

Together

As a member of the Valent group of companies and as part of Sumitomo Chemical Co., Ltd., a global leader in creative solutions for health and crop science, we work to improve the quality of life for people around the world.



Sustainability Goals and Impacts

2030

Carbon Reduction

In lockstep with our parent company, Sumitomo Chemical, we are committed to reducing our carbon footprint by 50% by 2030 through operational initiatives and development of new biorational solutions and technologies.

2050

Carbon Neutrality

Sumitomo Chemical is counting on us to help meet our pledge to achieve net carbon neutrality by 2050, aiming to reduce the amount of greenhouse gas emitted by production and business activities.

Our Impact

Our work and biorational solutions directly impact more than half of the United Nations' Sustainable Development Goals. These goals are the heart of the UN's 2030 Agenda for Sustainable Development to end poverty, improve health and education, reduce inequality, and spur economic growth, all while tackling climate change and working to preserve our oceans and forests.



Salman Mir

A Message from Our CEO

At Valent BioSciences, we're growing sustainably for the future—a future that protects both the planet and people. Together with our parent company, [Sumitomo Chemical](#), we're guided by the Japanese philosophy, "Jiri-Rita Koushi-Ichinyo," which states, "Our businesses must benefit society, not just our own interests."

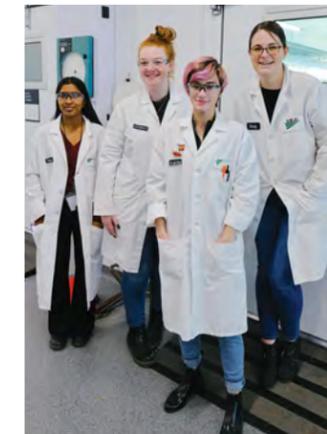
With this purpose-driven mindset, we're in diligent pursuit of Sumitomo Chemical's pledge to achieve carbon neutrality by 2050 and we've accelerated our efforts to help growers and communities sustainably meet some of society's most pressing challenges.

Among those challenges, we strive to feed a growing world with solutions that preserve and improve soil health, protect crops, and increase harvestability. We work to protect our forests, which are major reservoirs of carbon. And we partner with communities to protect public health against nuisance insects and disease.

In the past year, we expanded our offerings with the acquisition of FBSciences, a biostimulant leader providing naturally derived and sustainable plant, soil, and climate health solutions. We expanded the global reach of our industry-leading portfolios and moved the biorational sector forward with new and innovative solutions. And, through our soon-to-be-expanded research and manufacturing facilities, we'll be ready to meet the rising demand for effective biorationals as needs, preferences, and regulations emerge and evolve.

Whether at work or in support of their communities, our increasingly diverse team of employees demonstrate their Jiri-Rita spirit every day. Each of us at Valent BioSciences is committed to acting in mutual service to our business and society at large, where public and private interests are one and the same.

Salman Mir



Research and Innovation

Research, development, and innovation are foundational to our agriculture, public health, and forest health solutions worldwide. Our expert plant physiology, soil, plant pathology, and entomology scientists; microbiologists and metabolic engineers; fermentation scientists; formulation scientists; and chemists are focused on uncovering the next breakthrough in biorational solutions.

At our Biorational Research Center (BRC) in Libertyville, Illinois, we have a major expansion underway that will feature new laboratories, greenhouses, and fermentation and recovery pilot plant areas. The new labs will support several research areas, including synthetic biology, while increasing the BRC's total lab and pilot plant space by nearly 50%. The expansion also doubles the amount of greenhouse space.

We're also expanding our research facilities at the Donald Danforth Plant Science Center in St. Louis, Missouri. Our longstanding partnership with the Danforth Center focuses on advancements in arbuscular mycorrhizal fungi (AMF) solutions to improve root and soil health, carbon sequestration, and sustainability.

Looking ahead, we're starting to explore how we can build upon our AMF platform with new microbial opportunities that promote nitrogen cycling and fixation. This exciting research area looks at ways to convert nitrogen from the atmosphere into beneficial compounds for soils, crops, and the environment.

We added new research partners and projects in 2022, including a new relationship with [Emory University](#). We made that connection as part of our venture with the [Halo Science](#) global innovation network. Halo also made it possible for us to expand our collaborations with existing research partners [North Carolina State University](#) and the [University of Florida](#).

Our growing number of partnerships, expanded research capacity, and additional areas of focus will accelerate our ability to develop the next wave of innovations in the biorational industry.



126 patents issued in the U.S. since 2000.



More than 1,000 product registrations in approximately 95 countries.



BIOSTIMULANTS

The biostimulants category is a fast-growing segment of the agriculture market. Biostimulant solutions are typically naturally derived and sustainable. Available as soil, foliar, and seed treatment solutions, they stimulate natural processes that benefit nutrient uptake and efficiency and improve plant tolerance to drought and other forms of abiotic stress.

With the 2022 launch of our new U.S. biostimulants operating unit and the acquisition of FBSciences, we offer an innovative and proven portfolio of integrated biostimulant solutions. The acquisition expands and complements our existing lines of crop enhancement and crop protection products.

Our biostimulants team, including agronomic experts, works with farmers, growers, and channel partners to help them understand how to use biostimulants to get the most out of every acre so they can sustainably meet evolving demands and needs.

The new unit's initial line of products includes [Symvado](#), a portfolio of conventional, organic, and seed treatment formulations featuring our [MycoApply](#) arbuscular mycorrhizal fungi (AMF) technology, [Transit](#), and [Proliant](#), a plant growth regulator for corn and forage grasses.

Agriculture

100%

During the next 30 years, the demand for food is predicted to climb by 70% to 100%.

The world is hungrier than ever. Conflicts, volatile weather, and soaring prices this past year have escalated our global food crisis, which was well underway because of rapid population growth. With the number of people estimated to increase by nearly 2 billion during the next 30 years, the demand for food is predicted to climb by 70% to 100%.

We help growers feed the world while also helping them to serve as responsible stewards of the land and environment. Our biorational portfolio provides sustainable solutions that promote healthy soils and root systems, increase yields of fruits, vegetables, and grains, and protect crops from pests.



MYCORRHIZAL APPLICATIONS

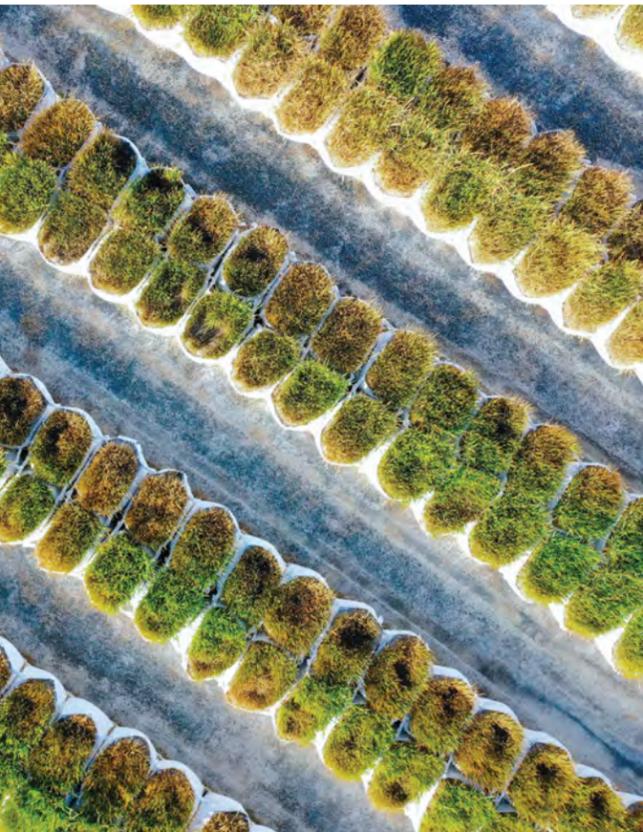
Mycorrhizal Applications (MA) is the world's largest developer and producer of beneficial mycorrhizal fungi products. These solutions improve and accelerate plant health and vigor by increasing the surface-absorbing area of roots, producing a healthier root system that more effectively utilizes water and nutrients and sequesters carbon.

Because mycorrhizae increase plant uptake of water and nutrients, growers can more efficiently use precious resources while reducing their need for other substances. This includes fertilizer, which saw a dramatic surge in prices and concerns about supply availability in recent years. MA customers have reduced their fertilizer usage up to 50%, depending on the plant type, crop cycle, and previous fertilizer protocols.

To help growers determine how mycorrhizae might benefit their crops, MA launched a new [online tool](#) in 2022 that provides a searchable database of the mycorrhizal status of plants. MA also continues to work on new formulation technologies and production advancements to drive further innovation and development of new mycorrhizal fungi solutions.

50%

Mycorrhizal Applications customers have reduced their fertilizer usage up to 50%, depending on the plant type, crop cycle, and previous fertilizer protocols.



RHIZOSPHERE

The world's soil health is at risk with 24 billion tons of agricultural soil lost each year. Our biorational rhizosphere business provides seed and soil technologies that improve soil and plant health and protect plants while also contributing to sustainable and carbon-smart agricultural practices.

Arbuscular mycorrhizal fungi (AMF) are recognized as a keystone species in healthy soils, which is why we continued to expand the global availability of our [MycoApply](#) AMF offering in 2022 with launches in Brazil, Colombia, and Mexico that complement existing availability in other countries.

AMF not only build healthier plants, but they also enhance the photosynthesis process in which plants convert sunlight and carbon dioxide into sugars that are partially stored as soil organic carbon that complement existing availability in other countries. By enabling plants and soils to better capture and store carbon, we can help repair some of the damaging effects of carbon emissions on our environment.

Worldwide, we continue to study how AMF can improve carbon sequestration, water and nutrient use, and mitigate soil erosion through improved soil structure.

24 billion tons

The world loses 24 billion tons of agricultural soil each year.



CROP ENHANCEMENT

For more than 50 years, our growing portfolio of plant growth regulators (PGRs) has revolutionized agricultural practices and production. PGRs stimulate and regulate plant growth and development, helping growers maximize the full genetic potential of their crops and manage environmental stresses.

In 2022, we launched our *We Change the Game™* educational campaign highlighting how various crops have benefited from our “game-changing” PGRs and the science and history behind these innovations.

Through publications, videos, and other training resources, we shared how growers have extended harvest windows, improved produce quality, delayed ripening, prevented russetting, controlled flowering, and enhanced fruit color.

Our PGR portfolio has helped growers sustainably increase crop yield and reduce food waste without using more equipment, land, or water. More efficient use of resources also means less energy and fuel consumed and fewer emissions.

For example, [InGrain™](#) has the potential to transform rice production as use of the product expands since the product’s introduction in 2019. Rice is the main source of calories for more than one-third of the world’s population, but poor

grain filling often limits yield and threatens food security. InGrain increases yield by enhancing the grain-filling rate and improving milling quality. In 2022, we expanded the availability of InGrain into Latin America.

In India, we launched [Promalin®](#), which has been used successfully by the apple industry for more than 45 years. Now available in more than 30 countries across every major apple-producing region, this PGR provides numerous benefits for growers. Depending on how and when it is applied, growers can improve fruit set, size, shape, and finish, and increase branching. Multi-year studies confirm that Promalin has helped growers increase apple yields by 6% on average.

We diligently continue to look for new uses, crops, and regions where growers can use our PGRs and other biorationals to both maximize crops and minimize environmental impact.

30+

countries

Promalin is used on apples in more than 30 countries.



CROP PROTECTION

Each year, about 40% of crop production is lost worldwide due to insect pests, posing a threat to both food supplies and the environment. For example, fall armyworms (FAW) are voracious pests that have become a global problem, spreading rapidly in recent years and devastating crops across Asia, Africa, and Australia. Our [XenTari](#)® Biological Insecticide provides farmers with a strong and environmentally friendly defense against these and other caterpillar pests.

XenTari is part of our portfolio of biorational solutions that protect organic and conventional crops with little to no impact on surroundings, animals, beneficial insects, or people. These biological insecticides feature natural, potent strains of *Bacillus thuringiensis* (Bt) to control caterpillar pests.

Farmers have safely applied these innovative crop protection solutions for more than five decades. As such, we're relied upon as global experts in sustainable and integrated pest and resistance management.

50+

years

For more than 50 years, DiPel® Biological Insecticide has been protecting crops around the world from damaging insects.



In partnership with the Australian Government, the ASEAN FAW Action Plan, the international non-profit CABI, and our parent company Sumitomo Chemical, we jointly funded a Biocontrol Technical Workshop Series during 2022. Hundreds of farmers and other interested professionals attended to learn how biocontrol technologies and tools can safely control FAW and other plant pests and diseases across Southeast Asia.

We also presented at the World BioProtection Forum's annual summit meeting, where we shared the social and environmental trends that have heightened the need for biopesticides as a complement to chemical pesticides. Driven by population growth and emerging regulations and initiatives, farmers and growers are increasingly turning to Valent BioSciences for sustainable biocontrol and protection.



Worldwide, one-third of food produced is wasted. That's about 1.3 billion tons.

PACE INTERNATIONAL

Nearly half of all fresh produce is wasted in the U.S. alone. Most of this waste occurs before the produce even reaches the consumer. According to the Food and Agriculture Organization, this waste costs an estimated \$1 trillion each year in precious resources that include land, water, and energy.

Our [Pace International](#) subsidiary helps the fresh produce industry reduce food waste by providing sustainable postharvest solutions and technologies that protect and preserve fresh fruits and vegetables while maintaining nutritional quality, flavor, and appeal.



3+ million tons of produce is saved annually with Pace products and technologies.

New innovations include Pace's [FreshVue™](#) sustainable produce storage technology. This fruit-ripening management solution slows the ripening process of freshly harvested apples and pears. As such, packers can store fruit for an extended period of time, depending on the variety, without impacting quality.

Also notable this past year, Pace's [BioSpectra®](#) biofungicide received certification from the Organic Materials Review Institute (OMRI) for organic crop uses. BioSpectra is a highly effective, natural compound that provides broad-spectrum decay control against several major fungal postharvest diseases across various crops. It is just one of Pace's growing portfolio of solutions for both organic producers and produce decay control.

Overall, Pace's innovative sustainable solutions, which also include cleaners, sanitizers, and edible fruit coatings, not only extend produce shelf life, but help growers and packers conserve water, energy, and other resources.

Public Health

The number of mosquito-borne diseases has dramatically increased worldwide. And with climate change and global travel patterns on the rise, the threat of these diseases continues to grow. Vector-borne diseases account for more than 17% of all infectious diseases, causing more than 700,000 deaths each year.

As a global leader in public health, we're committed to protecting the public from nuisance insects and vector-borne diseases with biorational solutions trusted by authorities worldwide. Our proprietary formulations offer sustainable biological control for a broad range of mosquito species and habitats while minimizing the impact on humans, the environment, and non-target insects.

We're also pioneering innovative solutions that tackle the root causes of these diseases, using biorational approaches that are even effective against resistant mosquito species. In 2022, the U.S. Environmental Protection Agency approved our new mosquito adulticide space spray, ReMoa Tri™, which targets resistant adult mosquitoes.

Mosquito-Borne Illnesses

50%

About 50% of the world's population is at risk of dengue fever, with close to 400 million cases occurring annually.

400k

Malaria causes more than 400,000 deaths annually.

17%

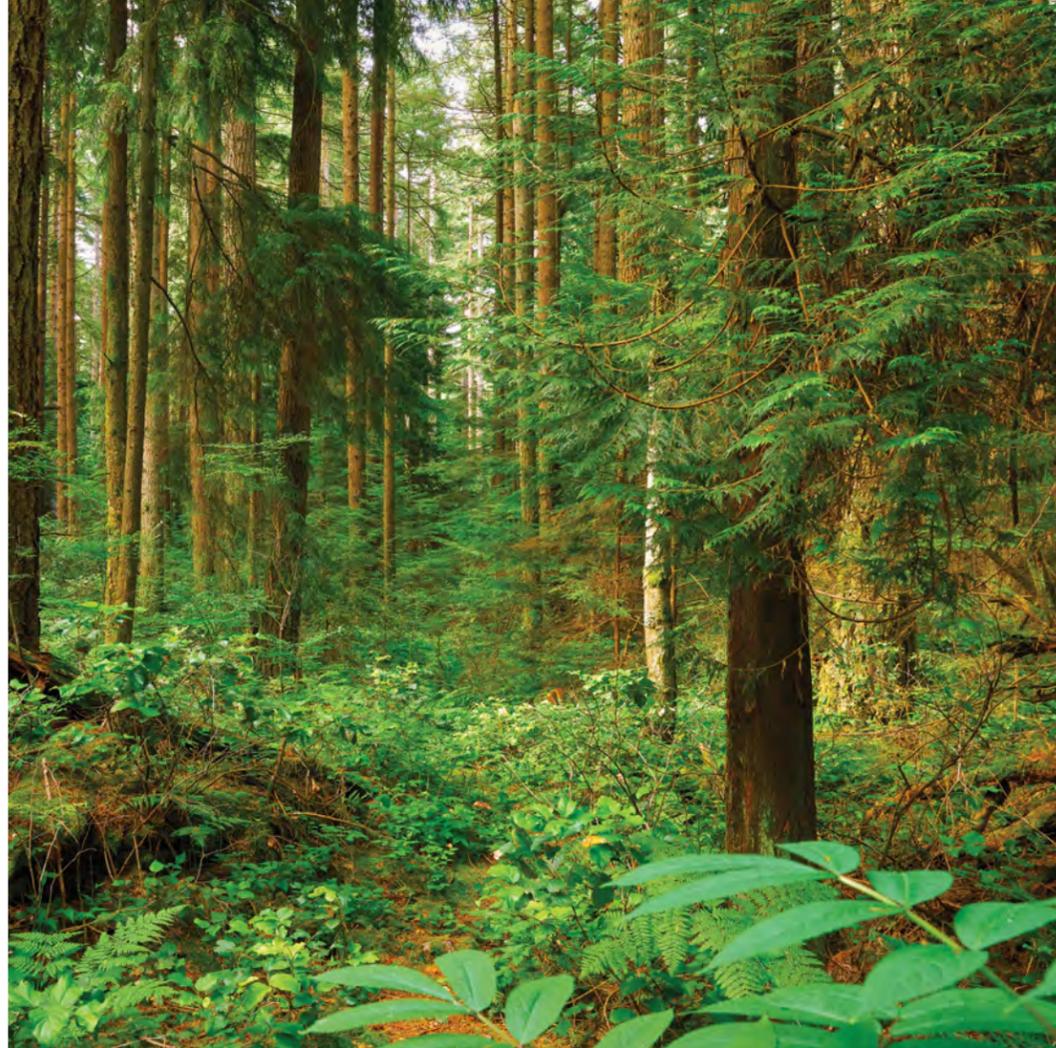
Vector-borne diseases account for more than 17% of all infectious diseases, causing more than 700,000 deaths each year.



It is the world's first such product based on a soil bacterium and the first novel mode of action in more than 50 years. With a high level of mortality against resistant populations across multiple species, this new formulation represents a major step forward in the fight against mosquito-borne illnesses.

Also, during 2022, our [VectoBac® WDG](#) was used to help control the nuisance midge population in Back River, Maryland. Midges are small non-biting aquatic flies that often swarm near water or marsh areas. This OMRI-approved biorational solution was used as part of a two-year pilot program conducted by Helicopter Applicators, Inc., and the Baltimore County Department of Environmental Protection and Sustainability with support from the Maryland Department of Agriculture.

The pilot program significantly reduced the midge larvae population and demonstrated how biorational solutions can be sustainably used to achieve environmental and societal goals. We look forward to continuing our partnership with these and other government agencies to create a better environment for all.



1
million+
hectares

1 million+ hectares of forests protected in 2022 using Foray and Mimic.

4.2
million+
metric tons

4.2 million+ metric tons of carbon estimated to have been sequestered from forests treated with Foray and Mimic.

67
million+
metric tons

67 million+ metric tons of soil carbon stock estimated to have been protected in forests treated with Foray and Mimic.

Forest Health

There are more than three trillion trees on earth, all of which play a critical role in fighting climate change. Yet, these same forests face multiple threats, including deforestation, fires, and insects. In fact, insects are one of the top destroyers of trees annually.

Our biorational solutions are used in 18 countries to protect forests. Foray® and Mimic® help keep forests healthy by protecting them from harmful insects that defoliate trees and forests while being mindful of non-target insects. In 2022, these products protected more forest acres than in any previous year.

Protecting forests from insect threats is critical to keeping forests active in the fight against climate change. Forests not only sequester large amounts of carbon, but they also safeguard the carbon stored in the soil on the forest floor.

Promoting the value of healthy forests to industry, governments, and the public worldwide is vital to the protection of one of our most valuable resources and a priority for us.

In 2022, we started production on a docuseries focused on the importance of forests and forest threats. We also launched new social media platforms to share previews from the series and other educational resources promoting the importance of forests and forest health.

Additionally, we continued to fulfill our own commitment to reduce environmental impact by using more railcars and fewer tanker trucks to deliver our forestry products. We plan to increase our railcar usage by 75% in 2023.

18
countries

Where our biorational solutions protect forests.

COMPANY



EMPLOYEE SAFETY

Safety is everyone's job at Valent BioSciences, with education, encouragement, and engagement core to our safety culture. In fact, our safety-first focus is the top driver of employee satisfaction.

Our employees ranked, "The company embraces safety as an important part of doing business," as the number one scoring statement in our 2022 Employee Engagement Survey. "I have the training and tools to do my job safely in a compliant manner," was also selected as a top scoring statement.

Valent BioSciences employees have safety goals they track in their Responsible Care scorecards that require them to participate in safety-focused activities that promote training, communication, assessment, and corrective action. These include conducting a Safety Observation or inspection, taking a facility safety walk, or reporting concerns, near misses, and incidents through the Valent safety software platform. All employees have access to this platform, empowering each of us with an electronic voice. Facility and environmental health and safety (EHS) leaders review all entries, and if needed, assign corrective action.

Since 2019, when we first implemented the platform, the Valent group of companies has logged more than 440 corrective actions. To further reinforce a proactive safety mindset, we also launched DuPont's STOP behavioral safety observation program at our manufacturing facility in Osage, Iowa, in 2022. Daily, supervisors visit and observe employees at work in their spaces. With a checklist in hand, they discuss procedures, best practices, and actions for improvement. The plant recently logged nearly 120 monthly STOP observations, a record number.

In 2022, our facility in Osage reported zero safety incidents. The facility also launched a new wellness program that included a steps challenge to see who could first log enough steps to cross the state of Iowa. Other wellness programming featured a weight loss challenge, 5K and marathon teams, on-site fitness classes, and training sessions on sleep, stress, and nutrition.



Zero incidents
at our manufacturing
facility in Osage, Iowa,
during 2022.



Nearly **53.3 million**
steps as part of Osage's
four-month step-tracking
wellness challenge,
equaling **19,430 miles**.



93% of days without
incidents across
the Valent group of
companies in 2022.

Valent BioSciences Representation

Based on 2021 data reported to the U.S. Equal Employment Opportunity Commission

428
Total employees

34%
Women, all employees

17%
Women, executive and senior-level teams

37%
Women, first- and mid-level managers

24%
Non-white, all employees

19%
Non-white, first- and mid-level managers



EMPLOYEE ENGAGEMENT AND DE&I

We are committed to creating and maintaining an inclusive workplace where every employee feels valued, respected, and empowered to contribute openly to our spirit of innovation. In doing so, we believe employees can freely showcase their unique skills, making us a better place to work and a better partner for our customers. We want to foster a workplace where every employee feels seen, heard, and supported.

In 2022, we conducted an employee engagement survey to help our leaders understand what's important to our employees while identifying areas of our business where employees believe we excel and where we can improve. More than 85% of our employees participated and many of them provided written comments. Overall, our employee satisfaction score was 3.91 out of 5.0, a rating that is well above the general norms and an improvement over our 2018 score of 3.76.

Our top-scoring statements reflected our focus on safety, ethics, and compliance; comfort in speaking openly with managers; and understanding how employee roles align with core values.

We also learned that communication, training, and career development are opportunities to further strengthen the employee experience. To gain a deeper understanding of needs and wants with regards to these opportunities, we conducted employee focus groups.

Additionally, we repeated our Diversity, Equity, and Inclusion (DE&I) survey in January 2023. Employee feedback is essential to help us create an environment that welcomes and values our differences and unique perspectives.

We're committed to taking actions to accelerate our DE&I efforts based on key findings from this latest survey and build upon the progress we've made since we launched our Five-Pillar Action Plan for Change following our first survey conducted in 2020.

This includes increasing our diverse representation across the Valent group of companies and at Valent BioSciences, especially in managerial and professional positions. In 2022,

we hired two new female vice presidents—Dr. Sarah McHatton, vice president, Global Research & Development (R&D) and Regulatory Affairs, and Vanessa Charbel, vice president, Global Supply Chain.

McHatton is an accomplished leader who has led R&D teams and projects in a variety of industries, including biological agriculture, biofuels, household care, wastewater, and aquaculture. And Charbel brings extensive supply chain management experience in the agribusiness, pharmaceutical, and fast-moving consumer goods industries. They will provide strategic leadership and extensive experience to these two critical areas of our business.

Diversity, equity, and inclusion drives innovation and growth, bringing new perspectives, ideas, and insights to our company. It also leads to better decision making, helps us attract and retain top talent and, most of all, it's the right thing to do.



Osage Environmental Performance

Resource reductions per batch since 2017:



9.5%
Natural Gas



17.5%
Electricity



16.5%
CO₂



4.1%
Water

2022



Nearly 5,043 metric tons of CO₂ emissions eliminated from 2022 carbon reduction projects.

7,168 metric tons of CO₂ emissions eliminated per batch in 2022 compared to 2017.



8,744,448 kWh annual energy savings per batch in 2022 compared to 2017.

ENVIRONMENTAL STEWARDSHIP

Our care for the environment and journey toward climate neutrality starts within our own operations. At our biorational manufacturing plant in Osage, Iowa, the world's largest such facility, we completed construction of our new Maple City Solar Field and Jiri-Rita Prairie Park native prairie.

Now fully operational, the 1.5-megawatt alternating current solar field will produce about 3.4 million kilowatt hours of solar-generated electricity annually. That amount is enough to power about 425 average-sized homes a year. The solar field spans 12 acres with 3,432 bifacial solar panels that produce power from both sides of the panel, tracking the sun from east to west. Osage has long been known as the City of Maples and the solar field's name honors that sentiment.

Next to the solar field is the 34-acre Jiri-Rita Prairie Park, which officially opened to the public with a formal dedication and communitywide celebration. This reconstructed and highly diverse native prairie, which includes walking paths and interpretive signage, will establish and support a diverse native habitat for birds, butterflies, insects, reptiles, and small wildlife. It will also serve as a rest stop for monarch butterflies that migrate to and from Mexico each year. Additionally, the prairie will sequester about 170 metric tons of carbon dioxide (CO₂) annually, helping mitigate the effects of greenhouse gases in the environment.

Combined, these two projects will eliminate 2,580 metric tons of CO₂ from the environment annually. We are grateful for the support of many partners who made these projects possible, including OneEnergy Renewables, Heartland Power Cooperative, Iowa State University, the Mitchell County Conservation Board, the city of Osage, and other local organizations.

Throughout our Osage plant, and the company as a whole, we also completed a number of system improvements and upgrades in 2022 that will increase efficiency and reduce energy and water consumption. Using digital monitoring and control technologies, we are able to better control and reduce the amount of air we put into fermenters, reduce the natural gas and steam needed to sterilize fermenter equipment, and program various cooling and heating processes to switch to energy-saving mode when production is not in process. We also replaced hundreds of lights at both our Osage and Grants Pass, Oregon, locations with LED fixtures. Overall, these projects will eliminate nearly 2,600 metric tons of carbon.

Also in 2022, we started construction on a major expansion of the Osage facility to meet the increasing demand for our biorational products and accelerate new product development. The expansion will use the latest in sustainable technologies and forward-thinking practices that reduce overall CO₂ emissions, energy usage, and water and wastewater volumes. We expect to complete the expansion in 2024.




EcoVadis Gold Sustainability Rating

For the fourth consecutive year, Sumitomo Chemical received a Gold level rating from EcoVadis, placing our parent company in the top 5% of all companies reviewed.

SUSTAINABLE SOURCING

We partner with global suppliers mutually committed to sustainable business practices and whose values align with our own. To further advance the sustainable performance of our supply chain, we use [EcoVadis](#), the world's largest and most trusted provider of business sustainability ratings.

Based on leading sustainability standards, EcoVadis assesses suppliers across four areas—Environment, Labor and Human Rights, Ethics, and Sustainable Procurement—noting both strengths and opportunities to improve. In the past year, EcoVadis has audited about 80% of our suppliers. Since the inception of the EcoVadis program in 2019, 88% of our 110 active suppliers scored in EcoVadis have been reevaluated, with an average improvement in their scores of 2.7 points.

In 2022, we also started to use EcoVadis' Carbon Action Module, which includes a Carbon Scorecard and Carbon Calculator to learn more about how our suppliers are addressing carbon emissions. To date, nearly half of our suppliers have been assessed with encouraging results. EcoVadis rated the carbon performance of the vast majority (66%) of these suppliers as intermediate, advanced, or leaders in their industries.

Whether it's pursuing carbon neutrality or alternative packaging and raw materials, we work closely with suppliers who, like us, continue to expand their sustainable portfolios. They include companies such as Croda International, whose offerings include its ECO range of surfactants that are 100% bio-based and 100% renewable. And others, including Rigali Packaging Products and Cimarron Label, provide recycled packaging and labels. Moving forward, a growing priority for us is to seek suppliers and solutions that minimize the use of plastics and eliminate single-use plastic containers.





Corporate Social Value

Each of us at Valent BioSciences plays an important role in making the world a better place, from the work we do inside our company to the time spent in our communities supporting non-profits and important causes. We focus on organizations, programs, and events that share our passion for ending hunger, protecting the environment and public health, and promoting STEM education and careers.

In Illinois, we donated funds to the Lake County Forest Preserves (LCFP) and Preservation Foundation to replace Callery pear trees with native shrubs and trees, including oak and hickory, at its general offices. The Callery pear, also known as Bradford pear, is an invasive species that has spread aggressively and invaded many natural habitats. LCFP is a longtime community partner. Each year, our employees also volunteer to harvest rare and hard-to-collect seeds, which saves the organization more than \$1,200.

Employees in Oregon volunteered to help plant a sequoia sanctuary containing more than 100 trees at a local garden and donated our [MycoApply](#) products to inoculate the planted saplings. They are also participating in the Josephine County Food Bank's Plant-a-Row program. Employees with home gardens or the space to grow produce at home plant an extra row, box, or other area and contribute the harvested produce to help the food bank feed area families in need.

For Earth Day, employees participated in local garbage cleanup projects. Teams collected more than 100 pounds of riverside garbage in St. Louis and almost 40 pounds of garbage surrounding our Grants Pass, Oregon, facility, which prevented this refuse from flowing downstream into local rivers. That location also participates in an Adopt-a-Street program, conducting quarterly street cleanups on two cross streets adjacent to the facility.

In Iowa, we have a number of long-term community relationships with Osage-area governments, schools, universities, and organizations that promote conservation, agricultural education, and safety. We actively engage with students and young people in the classroom and on-site at our facility. Agricultural bio-engineering students from [Iowa State University](#) worked with us on our native prairie restoration as part of their senior capstone project, while students from [Osage Community Schools](#) constructed a welcome kiosk and 4-H members built bird houses.

These are just some of the many ways our company and employees support the communities where we live and work while advancing our corporate social value and positively influencing society and the environment. Each year, we provide employees eight hours of paid time off for volunteer service and offer matching gift programs to help support causes important to them.



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