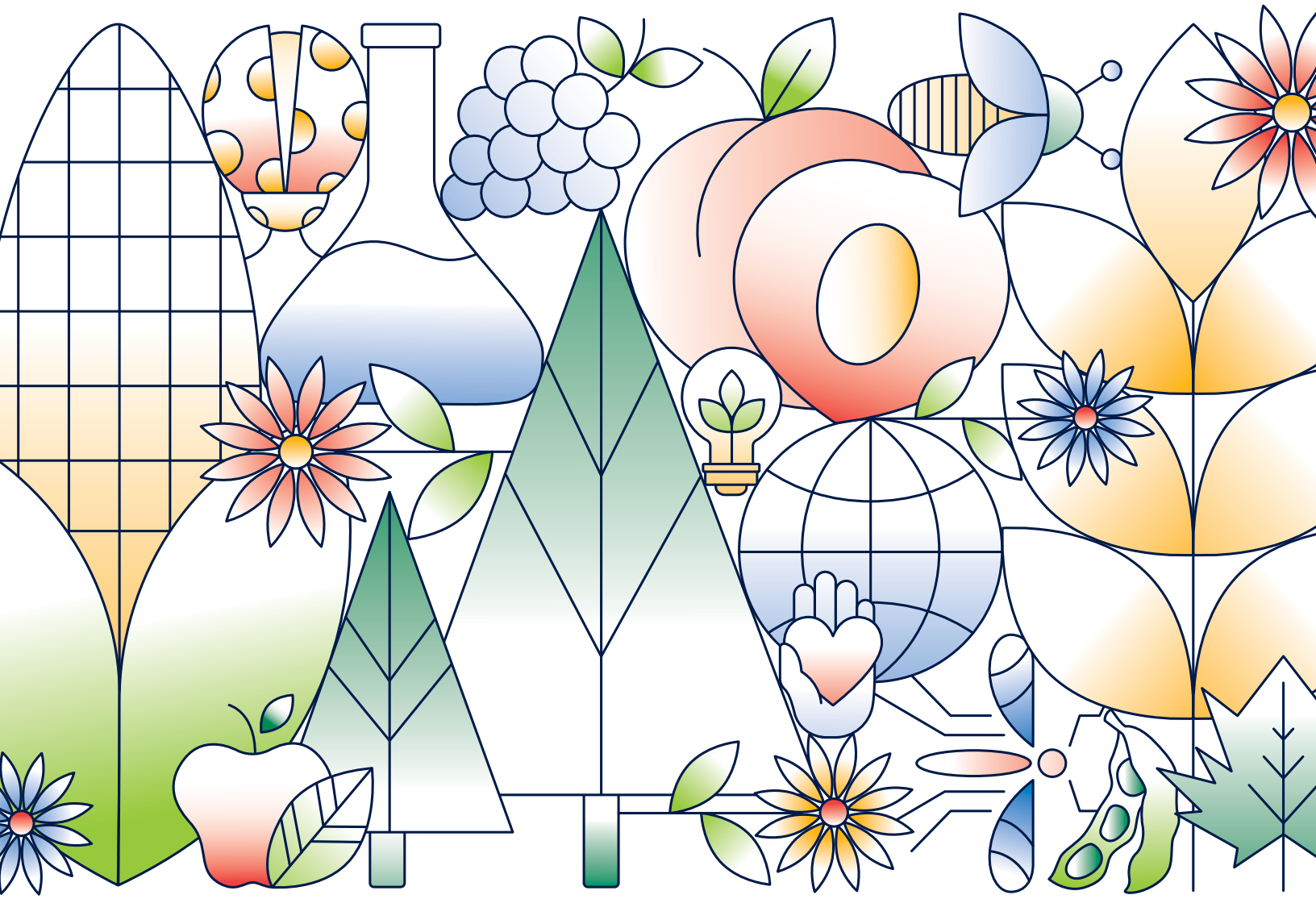
Sustaining Generations



Through Bioscience™

2024 SUSTAINABILITY REPORT

Sustaining Generations Through Bioscience™

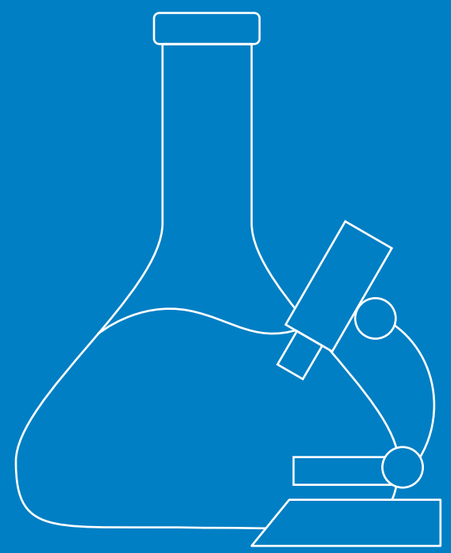
2024 VALENT BIOSCIENCES SUSTAINABILITY REPORT*

CONTENTS

*Report covers Fiscal Year 2024.

Throughout the report, we have used blue ovals to highlight the corresponding GRI Standards described in each section.

About Us



GRI
2-1, 2-2, 2-6

Who We Are

We are a global leader in the development, manufacturing, and commercialization of biorational products and technologies used in agriculture, public health, and forest health. We are a wholly owned subsidiary of Sumitomo Chemical Co., Ltd.

Guiding Philosophy

Rooted in Japanese culture, “Jiri-Rita Koushi-Ichinyo” is a phrase that means to ‘benefit self and others’. As our core business philosophy, Jiri-Rita reflects the belief that we must create value for society as a whole, not just for ourselves.

Our Purpose

We create lasting, science-driven impact in agriculture, public health, and forest health markets to help sustain global food production and human health—for today and future generations. We are *Sustaining Generations Through Bioscience*™.

How We Do It

Through our expertise in bioscience, we identify, develop, and introduce products and solutions that help growers profitably sustain their land, protect the public from insect-borne disease, and preserve our forests.

Six Decades

With more than 100 product brands, we offer the world’s broadest biorational portfolio and pipeline backed by more than 60 years of market-leading performance.

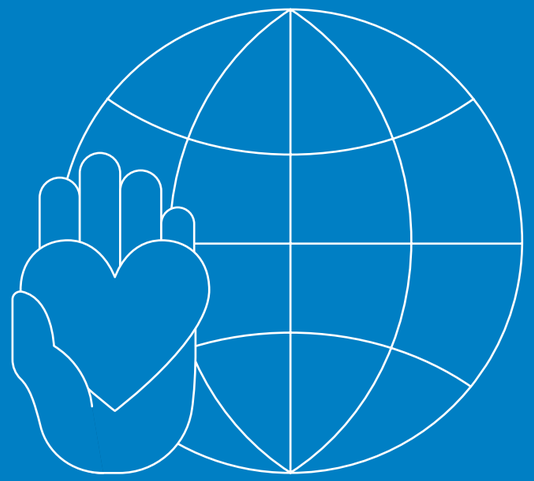
Unmatched Expertise

We leverage our unmatched expertise in microbial science and fermentation to develop sustainable biorational technologies that complement traditional chemistries.

Inherently Sustainable

Typically derived from biological origins, our biorational products are used in sustainable, regenerative, organic, and conventional operations in more than 95 countries.

A Message From Our CEO



GRI 2-22

Salman Mir

At Valent BioSciences, sustainability is not a new concept; it's foundational, based on the Sumitomo Chemical spirit of 'Jiri-Rita Koushi-Ichinyo,' which is integral to our culture. This important phrase means our business must not only advance its own interests but also contribute to the world at large.

Our work is guided by a long-term vision: to harness the power of biology and nature to develop solutions that build healthier farms, forests, and communities. That vision is more relevant today than ever before, as the global demand for sustainable, science-driven innovations and solutions continues to grow.

The 2024 Sustainability Report reflects the progress we've made and provides a look at our path ahead. Across our business, we are applying our scientific expertise, global partnerships, and deep customer knowledge to address some of the world's most pressing environmental and societal challenges. We're carrying out our mission by helping growers optimize the productivity of their land and protecting public and forest health. We remain committed to making a positive and lasting impact.

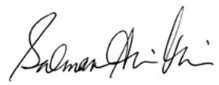
With the continued support of our parent company, Sumitomo Chemical, we've built a differentiated company that combines rigorous scientific discovery with practical, on-the-ground application. Our work in fermentation, formulations, synthetic biology, and rhizosphere science is shaping what biorational innovation looks like not just for today but also for the next generation.

In 2024, we made meaningful progress in product development, efficient and responsible manufacturing, and community engagement. We continued to improve resource efficiency at our facilities, expanded access to sustainable technologies in new markets, and continued to lead in workplace safety, equity, and inclusion. Our teams continue to work diligently to ensure our products meet the highest regulatory standards, using sound science to support compliance and responsible use in every country where we operate.

Our company values—connectedness, innovation, and integrity—are reflected in every section of this report. They show up in how we collaborate with research partners, connect with and support our customers, and empower our employees. We take pride not just in what we do, but in how we do it, with purpose, passion, and a focus on long-term differentiation and value creation.

As we look ahead, we recognize that the work of sustainability needs sustained effort. It requires constant learning, adaptation, and a willingness to lead. That's why we continue to invest in people, partnerships, and technologies that help us stay ahead of the curve. And most importantly, stay true to our mission.

Thank you to our employees, customers, and stakeholders for your continued partnership. Together, we're advancing a shared commitment to a more sustainable future for generations to come.



Salman Mir,
President and CEO of Valent BioSciences

Sustainability Strategy

GRI 2-22

Sustainability Goals

2030 Carbon Reduction:

In lockstep with our parent company, Sumitomo Chemical, we are committed to reducing our carbon footprint by 50% in Scope 1 and 2 emissions by 2030 through operational initiatives and development of new biorational solutions and technologies. Scope 1 emissions are generated directly by company facilities, while Scope 2 emissions are indirect emissions generated at utilities.

2050 Carbon Neutrality:

Sumitomo Chemical has pledged 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 many of the United Nations' 17 Sustainable Development Goals (SDGs). 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.

GRI 3-1, 3-2, 3-3

Sustainability Reporting

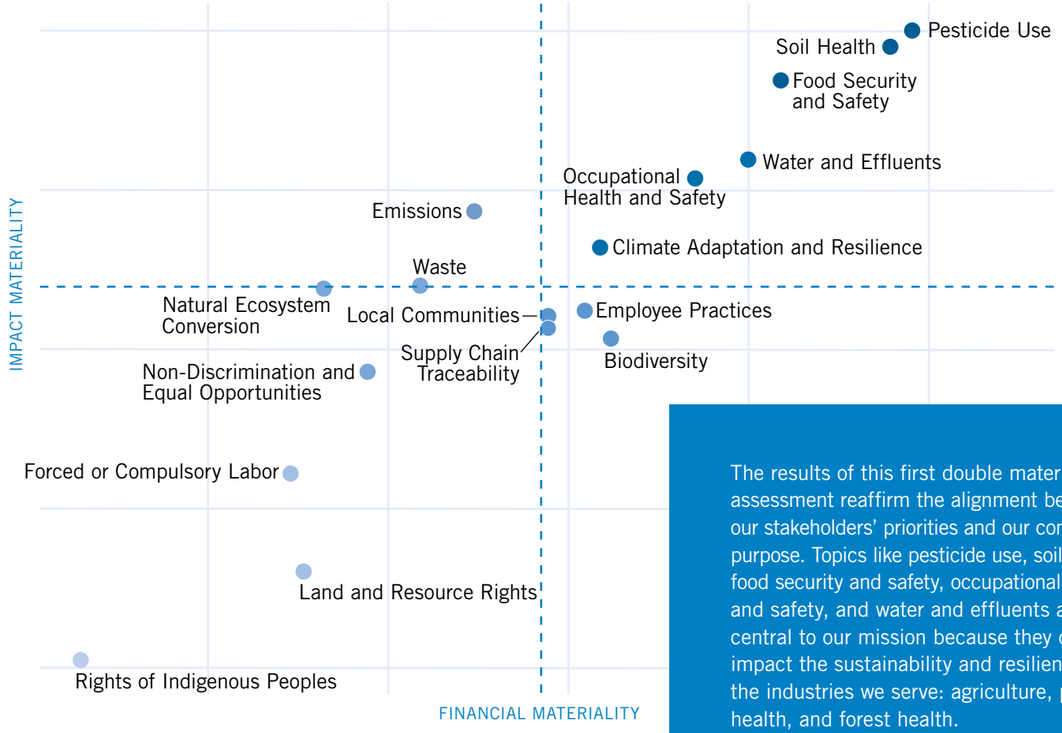
Double Materiality Assessment

This year, we conducted the first-ever double materiality assessment across internal stakeholders for Valent BioSciences. The double materiality assessment is designed to evaluate the financial, environmental, and social impacts of our activities, business relationships, and assets. Conducting this assessment provides a foundation for identifying and prioritizing sustainability topics that have significant implications for our organization and the wider society.

In the coming years, the assessment will be conducted annually to monitor any changes in priorities, build upon the current assessment, and gather insights to help guide our sustainability strategy moving forward.

Across all internal stakeholder groups, several key topics consistently emerged as critical priorities to tackle. These include: Pesticide Use, Soil Health, Food Security and Safety, Water and Effluents, and Occupational Health and Safety.

Double Materiality Matrix



The results of this first double materiality assessment reaffirm the alignment between our stakeholders' priorities and our company's purpose. Topics like pesticide use, soil health, food security and safety, occupational health and safety, and water and effluents are central to our mission because they directly impact the sustainability and resilience of the industries we serve: agriculture, public health, and forest health.

GRI 3-1, 3-2, 3-3

Looking Ahead

This double materiality assessment represents a critical milestone in our sustainability roadmap. We recognize this is the beginning of an evolving journey, and we are committed to enhancing our methodology, deepening stakeholder engagement, and strengthening alignment with international standards in future cycles.

Our Roadmap for Sustainability Reporting

As we continue to align our Sustainability Report with international methodology and standards, we will build upon close collaboration with each function of our business to continue improving the granularity of the data and documenting our progress toward our goals.

2018	First Sustainability Report published based on UN SDGs
2019-2022	Annual publication of the Sustainability Report
2023	Added GRI standards
2024	Added double materiality assessment results
2027 goal	Audited report

GRI 3-1

Global Reporting Initiative (GRI) Overview

Since our founding, sustainability has been core to Valent BioSciences and our culture. To continue strategically embedding sustainability across all facets of our business, we have initiated the due diligence and analysis required to align our sustainability communication with the GRI framework.

GRI standards are the most widely used set of standards for sustainability reporting worldwide. GRI helps organizations assess and take actions that create economic, environmental, and social benefits while providing a common global language to communicate progress and impact.

Please visit www.valentbiosciences.com/gri-index to review the GRI standards and related data initially identified as most relevant to Valent BioSciences business and operations.

Sustainable Development Goals

Valent BioSciences has worked with eight SDGs directly linked to its business since 2018. In 2024, the company conducted the initial materiality assessment, using GRI topics specific to agriculture-related industries. Each GRI topic is directly linked to relevant SDGs, which are summarized in the table below.

GRI MATERIAL TOPICS	1 NO POVERTY	2 ZERO HUNGER	3 GOOD HEALTH AND WELL-BEING	4 QUALITY EDUCATION	5 GENDER EQUALITY	12 RESPONSIBLE CONSUMPTION AND PRODUCTION	13 CLIMATE ACTION	15 LIFE ON LAND
Emissions			●			●	●	●
Climate adaptation and resilience	●	●					●	
Biodiversity		●				●		●
Natural ecosystem conversion							●	●
Soil health		●						●
Pesticide uses			●			●		●
Water and effluents						●		
Waste						●		
Food security and safety		●	●					
Local communities	●	●	●		●		●	
Land and resource rights	●	●				●		●
Rights of indigenous peoples	●	●					●	●
Non-discrimination and equal opportunity					●			
Forced or compulsory labor					●			
Occupational health and safety			●					
Employment practices	●							
Supply chain traceability							●	

This table is adjusted from GRI 13: Agriculture, Aquaculture and Fishing Sectors 2022

No Poverty aligns with our work to help global agriculture deliver healthy food—among the most basic of human needs. Our biorationals also help battle disease vectors that strain local and regional economies.

Zero Hunger is central to agriculture, as ending hunger requires strengthening the food value chain to ensure the sustainable production of affordable, nutritious, and high-quality food—all integral to the Valent BioSciences mission.

Good Health and Well-Being is closely tied to agriculture, public health, and forest health, because together, these industries foster healthier people, stronger communities, and more resilient environments worldwide.

Quality Education is represented by our commitment to quality training internally to ensure our employees are safe and compliant while performing the duties associated with their role. Externally, we help train a variety of stakeholder groups in the adoption of sustainable biorational technologies. SDG 4 Quality Education was not included in the GRI assignment for the prioritized topics from the materiality assessment; however, Valent BioSciences believes this SDG is core to our business.

Gender Equality is reflected in our employee practices and community engagement strategies.

Responsible Consumption and Production aligns with our goals related to waste reduction, circularity, and improving supply chain traceability to ensure sustainable sourcing.

Climate Action is central to our efforts in reducing GHG emissions to achieve our carbon neutrality goal.

Life on Land reinforces our commitment to biodiversity protection, public health, and forest health through our sustainable biological products.

GRI 3-2

Regenerative Agriculture Approach at Valent BioSciences

Regenerative agriculture has become a commonly used term to reference high-yielding and sustainable ways of growing crops. There is no universal definition for the term, but most definitions include improving the following:

1.	2.	3.	4.	5.
Soil health	**Biodiversity**	**Water cycles**	**Climate change**	**Farm/farmer sustainability**
Physical, chemical, and especially biological health	Soil microbes, insects, birds, and beyond	Better capability to manage drought and flood cycles through improved soil health	Reduced emissions due to no- or minimal-till practices and better managed soil microbes	Allows for better farmer income and farm succession planning

Farmer Perspective

"We have a tough economic situation going on right now, especially in the crop portion of agriculture. So making every dollar you spend return a positive is very important, and taking care of the soil, the water, and the air has always been important because we must have a good quality environment to raise a good, sustainable, sound crop."

– Dave Struthers, Iowa Farmer

GRI 3-3

Another key highlight from the past year is the life cycle assessment of two of our key crop protection products conducted by a third-party evaluator, which examined the environmental impact of our biological products, DiPel® DF Biological Insecticide and Aveo® EZ Nematicide. The results showed that both products have a minimal environmental footprint and received favorable ratings. In particular, Aveo EZ demonstrated a notably low application rate, which contributed to its reduced environmental impact.

Life Cycle Assessments

In 2024, we launched the Life Cycle Assessment initiative to evaluate the environmental impact of our products across several key performance indicators. Our initial assessment focused on two biological crop protection products—Dipel® DF Biological Insecticide and Aveo® EZ Nematicide—both of which demonstrated minimal environmental impact. This initiative marks the beginning of an ongoing effort to expand our analysis across the broader biological portfolio. Through this work, we aim to deepen our understanding of our products' environmental footprint while continuing to support our customers with sustainable solutions.

Life Cycle Assessment Ratings of DiPel® DF and Aveo® EZ

DiPel® DF BIOLOGICAL INSECTICIDE

0 1 2 3 4 5 6 7 8 9 10

Environmental Impact Score*

7.5/10

AVEO® EZ

0 1 2 3 4 5 6 7 8 9 10

Environmental Impact Score*

9.9/10

*Smallest environmental impact = 10

Sustainable Solutions

Farmer Perspective

"What does sustainability mean to me and my farm? Keeping the soil in place, keeping a living cover on it as much as possible throughout the year, and growing our own nutrients is important."

– Les Seiler, Ohio Farmer

GRI 2-6

Research and Innovation

To support our sustainable agriculture goals, we continue to advance our global leadership in biorational innovation through a comprehensive strategy centered on research, development, infrastructure expansion, and collaborative partnerships.

We are strategically enhancing our research and development facilities to support our core expertise and legacy of innovation. Our greenhouse expansion, planned for completion in 2025, will increase the greenhouse footprint by 42% at the global Melnik and Shafer Biorational Research Center. In 2024, the company celebrated the opening of the new Venburg Wing, which includes new laboratory and pilot plant areas, offices, and meeting rooms. The Venburg Wing is named after Dr. Greg Venburg, former Senior Director of Global Research, who was an integral research leader at Valent BioSciences for more than 30 years.

These infrastructure investments are paired with collaborations that extend our impact beyond our own facilities. This year, Valent BioSciences was proud to support the Foundation for Food & Agriculture Research (FFAR), which provided grants to two scientists to advance important research: Allison Miller, Ph.D., and Christopher Topp, Ph.D. As members of the Donald Danforth Plant Science Center, they are pursuing research in corn with the goal of extending the root system to improve fertilizer efficiency and soil health and preserve water.

GRI 2-6

Alongside these research partnerships, we continue to expand the use of biorational products in agriculture, public health, and forest health. Valent BioSciences administers a robust trial program. We conducted more than 900 global research trials for our biorational portfolio in 2024.

Finally, we are proud to share our work and facilities with stakeholders from around the world. Tours of our Melnik and Shafer Biorational Research Center in Libertyville, Illinois, highlight our commitment to innovative technology and our role as a trusted leader in biologicals. In 2024, we hosted approximately 40 tours for end-users, industry partners, government officials, and academic researchers, providing a backstage look at our scientists' work to bring new and improved innovations to regions worldwide.

42%

Increase in Greenhouse Capacity

APPROXIMATELY

40

Tours Conducted of Melnik and Shafer Biorational Research Center

900+

Global Research Trials Completed

Steve McArtney Honored with ASHS Outstanding Industry Scientist Award

Steve McArtney, Product Development Manager at Valent BioSciences, was awarded the prestigious Outstanding Industry Scientist Award by the American Society for Horticultural Science (ASHS) at the 2024 annual ASHS meeting in Honolulu, Hawaii, in recognition of his exceptional contributions to the horticultural field.

The ASHS Outstanding Industry Scientist Award honors scientists working in the private sector who have made impactful contributions to horticultural science and the agricultural industry for over a decade. With more than 10 years of achievements, McArtney's career exemplifies the high standards of innovation and dedication that this award celebrates.

Since joining Valent BioSciences in 2014, McArtney has led the product development of several plant growth regulators and collaborated with teams across biology, chemistry, formulation science, and regulatory affairs to bring groundbreaking products from concept to commercialization. His leadership has guided the development of several key products, including:

- Accede® Plant Growth Regulator, a thinner for stone fruit and apples based on the naturally occurring non-protein amino acid 1-Aminocyclopropane carboxylic acid,
- ConShape® Plant Growth Regulator, a tool for managing leader growth in Christmas trees based on S-abscisic acid, and
- InGrain™, a biostimulant for rice that improves grain filling and reduces broken grains during milling.

Beyond his contributions to product innovation, McArtney was also recognized for his mentorship within Valent BioSciences, where he has shared his expertise in product development to foster growth among his colleagues. His mentorship has played a pivotal role in building a team capable of advancing sustainable solutions in agriculture.

In addition, Steve has more than 50 scientific articles published in peer-reviewed journals, served as president of the Plant Growth Regulation Society of America, and is frequently invited to speak at national and international industry and scientific meetings.

Agriculture

As global demand for food continues to rise, today's farmers face growing complexity in their operations as they must adapt to increasing climate volatility, market demands, and pest pressure while maximizing profitability and productivity.

Biorational solutions from Valent BioSciences help farmers meet these challenges head-on. We offer the broadest biorational portfolio of science-driven, proven solutions that help growers tackle demanding on-farm challenges.

Our biorational portfolio for agriculture complements conventional chemistries and includes crop protection products, plant growth regulators, biostimulants, technologies that enhance soil health, microbial seed treatments, and specialty nutrition.

By addressing key sustainability priorities such as soil health, climate resilience, emissions, and food safety, we are creating a future where agriculture is not only more productive but also more sustainable. We remain committed to supporting growers as stewards of the land, ensuring they have the tools they need to feed a growing population while protecting the health and legacy of their farms for generations to come.

Farmer Perspective

"If you want to create a legacy for future generations on the farm, we must take care of the land. I think biological products can help us quite a bit and maybe lessen our reliance on traditional chemistry and synthetic inputs. Overall, it would probably be better for the environment long-term to utilize something natural and natural biology."

– Dave Struthers, Iowa Farmer

GRI 3-3

"The next big thing that's on the cutting edge is biostimulants and plant growth regulators and understanding how the plants react to different things that are already in the microbiome and the soil. A lot of these products can help increase the availability of what you already have and may actually help you save money by making things work together more synergistically."

– Dave Struthers, Iowa Farmer

Biostimulants

As growers face the urgent need for resource efficiency, biostimulants have emerged as essential tools for sustainable agriculture. Our biostimulant portfolio supports healthier plants, more productive soils, and optimized resource use from seed to harvest. With soil, foliar, and seed treatment applications, our biostimulants are used in row crops and specialty crops across conventional, sustainable, and organic systems.

The Valent BioSciences portfolio of biostimulants also supports important material sustainability priorities, such as improving soil health, increasing nutrient use efficiency, reducing on-farm emissions, and helping crops mitigate abiotic stress throughout the season.

Key biostimulant products in our portfolio:

Proliant® Plant Growth Regulator improves early vegetative and root growth in corn and pasture grasses, extends the productivity window under variable temperature conditions, and supports yield resilience.

Symvado® Mycorrhizal Inoculant, powered by arbuscular mycorrhizal fungi (AMF), enhances water and nutrient uptake by extending the root absorption area, contributing to both immediate productivity and long-term soil regeneration.

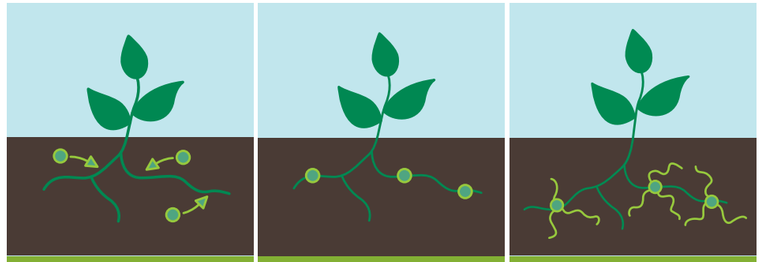
FlexForce® is a dual-action biostimulant that supports the development of the harvestable ear in corn. FlexForce pairs organic acids from our Transit® biostimulant, plant extracts, and key nutrition to increase leaf area and optimize photosynthetic pathways to capitalize on additional growth.

GRI 3-3

Mycorrhizal Applications

As the global leader in mycorrhizal fungi technology, our Mycorrhizal Applications subsidiary continues to advance the science and adoption of arbuscular mycorrhizal fungi (AMF) across agriculture, horticulture, and ecological restoration. With the world's largest portfolio of AMF solutions, Mycorrhizal Applications is driving meaningful progress in soil health, nutrient use efficiency, and climate resilience—all central to our sustainability commitments and GRI material topics.

Construction is underway on a new manufacturing facility in White City, Oregon, which will provide capacity for our AMF portfolio. Once completed, this facility will enhance our ability to meet the growing global demand for mycorrhizal inoculants.



1.

Mycorrhizal fungi receive a chemical signal indicating that a plant is near and reaches toward the roots.

2.

The fungi colonize the plant's root system and create a symbiotic exchange.

3.

A partnership is formed. Mycorrhizal fungi seek out water and nutrients on the plant's behalf in exchange for carbon.

Here are a few highlights from the Mycorrhizal Applications portfolio:

MycoApply® Mycorrhizal Inoculant products help extend the rooting surface area of plants by up to 50 times, resulting in enhanced plant productivity and improved long-term soil health.

Magic Gardener® is a new line of products from Mycorrhizal Applications, designed for retail garden centers and home gardeners. Featuring Mycorrhizal Applications' professional products in retail-ready packaging, the Magic Gardener portfolio includes five specific and targeted solutions for common garden problems.

AmyloShield® Biological Fungicide is a highly effective biofungicide that provides consistent control and suppression of a broad spectrum of fungal and bacterial diseases.

GRI 3-3

Plant Growth Regulators

For more than six decades, our plant growth regulator (PGR) portfolio has helped transform agricultural practices, offering growers powerful tools to optimize crop performance, manage environmental stress, and enhance the efficient use of land, labor, and resources. Today, our growing portfolio continues to support sustainable agriculture.

PGRs stimulate and regulate natural plant processes, and depending on the crop and timing of application, they can extend harvest windows, promote flowering and branching, delay ripening and fruit drops, or optimize size and uniformity.

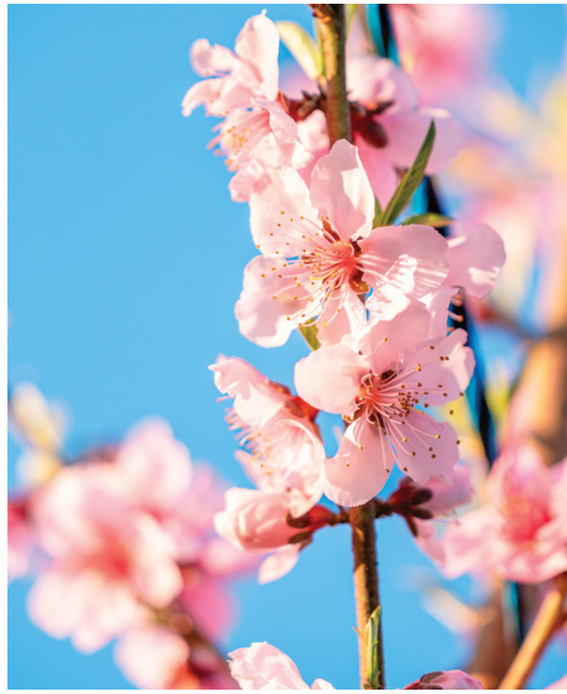
Our PGR portfolio includes many crop-specific solutions:

Accede® Plant Growth Regulator, a PGR developed specifically for thinning apples and stone fruits, helps growers lower input costs by reducing the need for hand thinning while improving fruit quality.

InGrain™ Plant Growth Regulator, a PGR for rice, improves grain filling and milling quality, and helps improve productivity while protecting food security.

ProGibb® Plant Growth Regulator is a highly effective growth promoter based on a molecule found naturally in plant species. ProGibb can increase the size and quality of fruits, vegetables, and other crops.

ReTain® Plant Growth Regulator inhibits the production of ethylene, slowing the fruit maturation process. This means improved fruit set and harvest management benefits.



Farmer Perspective

"ProGibb® delivered a thicker stalk, a higher leaf area, a more aggressive root system, and thus higher nutrient recycling for future crops, aiming for greater sustainability in what we have been working on. So, I think it was amazing, so much so that this year we used ProGibb in the whole area."

– Clóvis Dutra, farmer and independent consultant in Brazil

GRI 3-3

Crop Protection

Insect pests remain one of the most persistent and growing threats to global food security. Research shows that the influence of insect pests on global food production is increasing, making the need for effective and sustainable solutions more urgent than ever. Our biological insecticide portfolio offers growers powerful tools to manage damaging pests without compromising environmental health, crop safety, or harvest flexibility.

DiPel® Biological Insecticide and XenTari® Biological Insecticide are industry-leading biological insecticides that provide effective control of lepidopteran pests across more than 200 crops. Both products support resistance management, require no pre-harvest interval, and are exempt from residue tolerances, making them ideal for sustainable and export-sensitive programs.

In 2024, we expanded our biological control portfolio with a new soil-applied product combining *Bacillus amyloliquefaciens* and AMF: OutReach® SC Nematicide. OutReach SC enhances plant vigor and health throughout the season while suppressing nematodes, increasing yield, and supporting root growth and development.

GRI 3-3

200+ crops

DiPel® Biological Insecticide and XenTari® Biological Insecticide are industry-leading biological insecticides that provide effective control of lepidopteran pests across more than 200 crops.

Insect pests remain one of the most persistent and growing threats to global food security.

GRI 3-3

Public Health

Mosquito-borne diseases are increasing at unprecedented rates. In 2024, global dengue cases doubled to 14 million, claiming nearly 9,500 lives[1]. Today, nearly 4 billion people live in areas at risk of dengue infection[2]. Malaria continues to devastate communities, with 263 million cases and 597,000 deaths recorded in 2023, with 94% of them in Africa[3]. Climate change is expanding mosquito habitats, and global travel is accelerating disease spread, creating a constantly growing danger zone.

As a global leader in public health, we are committed to protecting communities from these threats with sustainable, biorational solutions trusted worldwide. Our formulations target a broad range of mosquito species and habitats, delivering powerful control while safeguarding people, ecosystems, and non-target species.

We recently became an education partner with the United Nations Foundation and its United to Beat Malaria program. This collaboration enables us to spotlight the importance of outdoor mosquito management in the fight against mosquito-borne diseases on a global stage. As part of this partnership, we participated in a panel discussion during the United Nations General Assembly, broadcast to a worldwide audience. The discussion explored current and historical evidence on the role of outdoor mosquito management in malaria elimination, highlighting successful examples of Integrated Mosquito Management (IMM) that combine outdoor and indoor interventions. Experts examined how source reduction, the use of biologicals, advances in technology, and community engagement can significantly reduce malaria transmission and drive economic development in Africa.

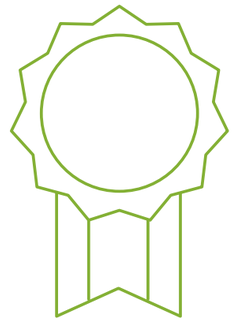
We recently became an education partner with the United Nations Foundation and its United to Beat Malaria program.

GRI 3-3

Furthermore, we were honored with the **23rd annual Chicago Innovation Award** for ReMoa Tri®—the world's first mosquito spray derived from a bacterium, and featuring three distinct modes of action for comprehensive mosquito resistance management. This marks our Public Health team's second Chicago Innovation Award; the first was in 2017 for the WALS® VectoBac® WDG application strategy.

The Valent BioSciences Public Health team is advancing science, protecting lives, and aligning our efforts with the U.N. Sustainable Development Goals to help build a healthier, more sustainable future for communities worldwide.

1. Haider N, Hasan MN, Onyango J, Billah M, Khan S, Papakonstantinou D, Paudyal P, Asaduzzaman M. Global dengue epidemic worsens with record 14 million cases and 9000 deaths reported in 2024. Int J Infect Dis. 2025 Sep;158:107940. doi: 10.1016/j.ijid.2025.107940. Epub 2025 May 29. PMID: 40449873.
2. https://www.cdc.gov/dengue/areas-with-risk/
3. https://www.who.int/news-room/fact-sheets/detail/malaria



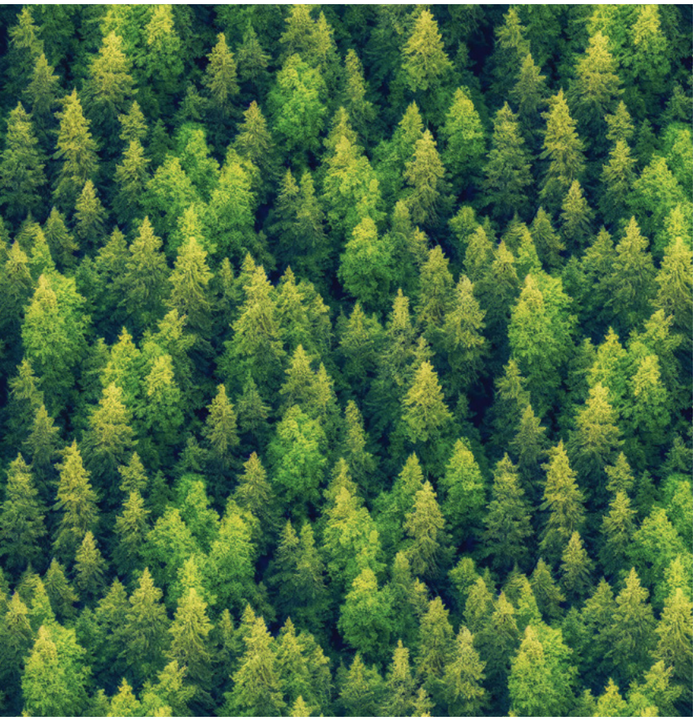
We were honored with the 23rd annual Chicago Innovation Award for ReMoa Tri® —the world's first mosquito space spray derived from a bacterium with three distinct modes of action for comprehensive mosquito resistance management.

GRI 3-3

Forest Health

As global temperatures climb, the pressures on our forests are growing more intense, putting ecosystems worldwide at risk. Deforestation, escalating wildfires, and mounting insect outbreaks are threatening forest health. Insects can be among the most damaging forces by weakening trees, increasing their disease susceptibility, and in many cases, leading to tree loss in both urban landscapes and wild forest areas.

Our Foray® and Mimic® biorational solutions deliver highly targeted protection to help safeguard forests worldwide from leaf-defoliating insects. With multiple formulations registered in markets around the world, including an organic option, we work alongside communities and countries to preserve forest vitality. Healthy forests are essential not only for biodiversity but also for their critical role in carbon sequestration and soil carbon preservation.



Expert Perspective

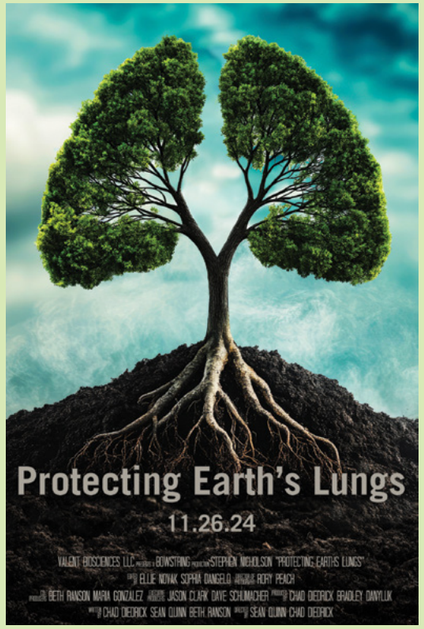
A 'healthy forest' is by definition a sustainable forest. We must be forward thinking and consider all components of a forest ecosystem, and not just the access to, and the health of, the merchantable timber.

We must consider the interconnectedness of the entire forest ecosystem, including the flora and the fauna, and the diversity of the wildlife that makes the forest its home. We must consider not just the plant and animal communities of the forest, but also the communities of people that live near and/or in the forest. This includes the indigenous people who called these lands their home for centuries.

We must consider managing the forestlands not just as a resource to be extracted, but as a resource that is renewable, and one that is valued for its spiritual, recreational, and commercial value; the forest is a part of a larger forest ecosystem, and it is also a home for a wide diversity of wildlife and plant species that must be protected to ensure their viability for generations to come.

– Stephen Nicholson, Forest Health Consultant

GRI 3-3



To help global communities understand the value of forests, we produced a documentary highlighting the importance of protecting them. Protecting Earth's Lungs was distributed to a global audience and showcases why forests are important, what is threatening them, and what can be done to protect them.

Rail transport is now our standard mode for shipping Forest Health solutions, significantly reducing our environmental footprint. Each railcar used in shipping equates to an average of 4.4 truck shipments. In 2024, we increased our railcars shipping Foray to Canada from 14 to 19, removing approximately 84 trucks from the road.

Transporting Foray from our Osage, Iowa, facility to Quebec City, Quebec—a little over 1,000 miles—by rail results in a substantial drop in carbon emissions compared to trucking. These strategic shifts demonstrate our ongoing commitment to sustainable operations and our leadership in protecting and nurturing forests worldwide.

Global Impact Based on Sales

4.1M+
Metric Tonnes
of Sequestered Carbon

64.9M+
Metric Tonnes
of Protected Soil Carbon Stock

1.3M+
Hectares
of Protected Forests in 10 Countries

Sustainable Operations

Sustainable sourcing has always been a vital component of our sustainability commitment and a critical aspect of our key sustainability initiatives. The continuous progress demonstrated by our supply chain partners supports our company's goal of reducing environmental impact and strengthens our commitment to carbon reduction.

GRI 308-1

Sustainable Sourcing

EcoVadis

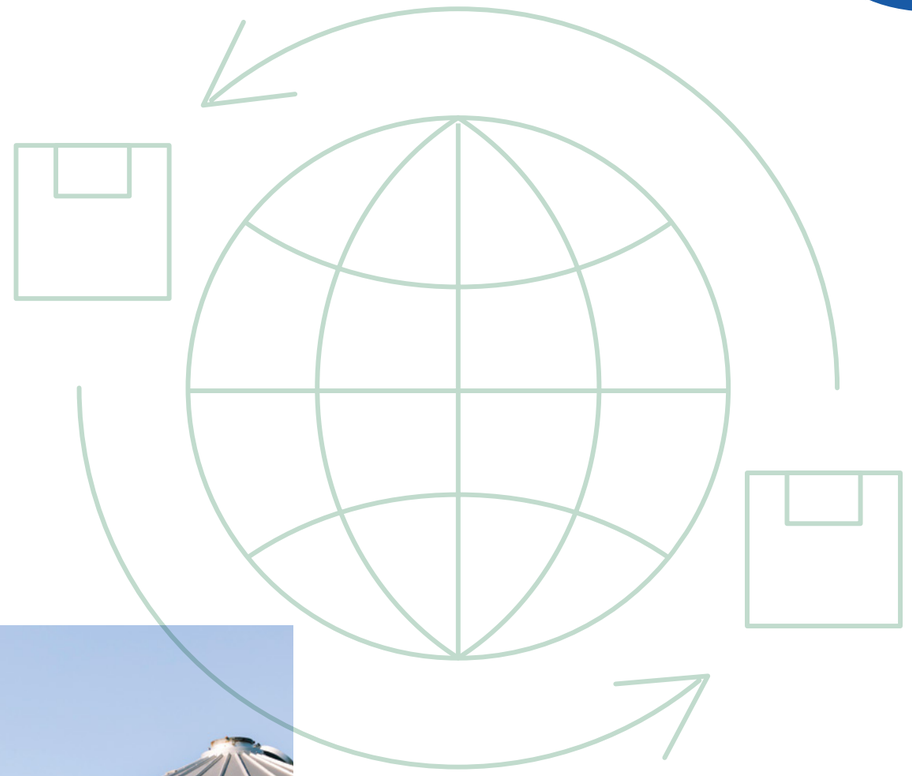
We continue to align with global suppliers who share our commitment to responsible care and sustainability practices. A central component of this effort is confirming that our top suppliers maintain a current EcoVadis sustainability rating. EcoVadis evaluates suppliers using internationally recognized standards in four critical areas: Environment, Labor & Human Rights, Ethics, and Sustainable Procurement. These assessments provide valuable insights into how our suppliers integrate sustainability into their operations and governance, supporting our goal of improving supply chain traceability.

By the end of 2024, 50 of our key suppliers had been assessed and rated by EcoVadis, which is over 80% of our suppliers by spend. Among these suppliers, 28 had a reassessment during 2024. Of the reassessed suppliers, 71% improved their overall score by 7% compared to the previous assessed score. Their overall scores in advanced categories increased from 32% to 43%. In addition to an improvement in overall scores, the scores were improved for all four categories, including Environment, Labor & Human Rights, Ethics, and Sustainable Procurements. The biggest improvements were in Sustainable Procurement (8.8%) and Environment categories (8.3%).

EcoVadis Standards:

Environment, Labor & Human Rights, Ethics, Sustainable Procurement

GRI 308-1



In 2022, we began leveraging the EcoVadis Carbon Action Module (CAM) to gain deeper insights into our suppliers' carbon emission risks and performance. The CAM includes tools such as a carbon rating and a carbon estimator. Since 2022, we have 44 suppliers with a carbon scorecard. During 2024, 29 suppliers published the carbon scorecard, and among them, 46.4% are rated as leaders or advanced.

Customs-Trade Partnership Against Terrorism (C-TPAT)

Since 2005, we have partnered with Customs-Trade Partnership Against Terrorism (C-TPAT), a voluntary initiative led by U.S. Customs and Border Protection (CBP). By working closely with CBP, we proactively identify and address potential security vulnerabilities, implement industry-leading safeguards, and uphold best practices that ensure the safe and efficient movement of goods.

GRI 308-1

80%
of Suppliers
by Spend Assessed by EcoVadis

7%
Score Improvement
Among Reassessed Suppliers in 2024

20+
Years of Membership
Ag Container Recycling Council

Packaging

As part of our ongoing commitment to sustainable recycling, we have proudly been a member of the Ag Container Recycling Council (ACRC) for more than 20 years. The ACRC is an industry-funded, non-profit organization dedicated to the safe collection and recycling of containers used for agricultural crop protection, animal health, specialty pest control, micronutrients, biologicals, fertilizers, and adjuvants.

GRI 305-5, 306-1

Manufacturing

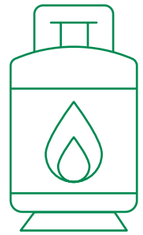
White City, Oregon

Construction of a new manufacturing facility in White City began in September 2023. From the initial planning stages through ongoing development, sustainability remains our core priority. The site features advanced wastewater and stormwater management systems.

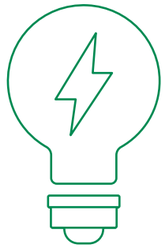
Osage, Iowa

We have achieved a reduction in resource consumption per production batch, reflecting our ongoing commitment to operational sustainability. Compared to our baseline data from 2020, we have achieved per batch reduction of 13% in natural gas, 12% in electricity, and 8% in water usage. Additionally, the Osage facility, using a lean management approach, produces minimal waste, further marking our ongoing commitment to resource efficiency and sustainable manufacturing processes.

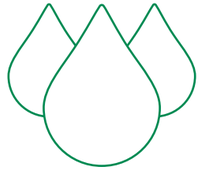
Reduction Per Batch of Production in Osage Since 2020



13%
Natural Gas



12%
Electricity

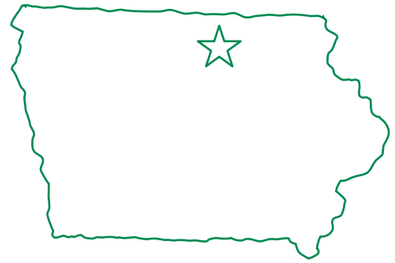


8%
Water

GRI 306-1

Nutrient Tracing at the Upper Cedar Watershed in Iowa

Our team in Osage, Iowa, worked with the Sand County Foundation to enroll more than 5,000 acres of farmland in the local watershed to focus on nutrient reduction and conservation practices. These practices will reduce the amount of nitrogen that runs off and into the Cedar River around Osage, Iowa. The City of Osage will receive phosphorus credits as part of this agreement, and the partnership will ultimately result in significant cost savings for the city each year.



5,000+
Acres

Community Perspective

"The City of Osage would like to express its appreciation to Valent BioSciences for their efforts in the nutrient credit trading program with AgOutcomes over the past year. We appreciate Valent BioSciences' commitment to sustainable practices in the Upper Cedar River watershed and the efforts to assist the City in meeting NRS goals. Valent BioSciences' spirit of cooperation and willingness to work with the City is something we greatly appreciate. We are proud to have Valent BioSciences in our community, and aim to continue to foster the relationships we have with industries in Osage."

– Steve Cooper, Mayor, City of Osage

GRI 403-1, 403-5

Safety

At Valent BioSciences, responsible care is at the core of our operations. Safety and compliance are the highest priorities. Every employee has a safety goal embedded in their annual performance evaluation, which is recorded on the Responsible Care Scorecard. The scorecard tracks individual engagement in a variety of safety-related activities throughout the year, including training, education, safety walks, and risk assessments. We host monthly safety meetings to reinforce key safety practices, a dedicated Safety Week event, and fire extinguisher training sessions to ensure employees are aware and prepared in case of an emergency.

In 2024, employees at our Libertyville and Osage locations submitted 3,030 observations, a 40% increase from 2,697 in 2023. The number of reports has grown steadily since the platform's launch in 2019, which reflects an increased engagement in responsible care among our employees.

We also implemented the Regroup® Mass Notification system starting in 2023, which enables rapid communication during emergencies via text, email, or phone. We continue to partner with Global Guardian, a leading provider of medical and security services, to support employees traveling more than 150 miles from home.

"I am passionate about a safety-first approach because it shows our employees that they are truly valued above everything else. This helps strengthen our safety culture, where people feel like they can speak up whenever something doesn't feel safe."

– Jacob Larrison, Senior EHS Specialist, Osage

GRI 403-1, 403-5

"To me, safety means creating an environment where everyone feels protected, supported, and confident in the work we do. It's about looking out for one another, speaking up when something doesn't feel right, and making sure no task is ever more important than someone's well-being."

– Lindsey Heavey, EHS Specialist, Libertyville

Local law enforcement from the Iowa State Patrol, Mitchell County Sheriff's Department, and the Osage Police Department were provided a tour of our Osage facility, review of our emergency action plan, and a roundtable with our leadership team.

40%

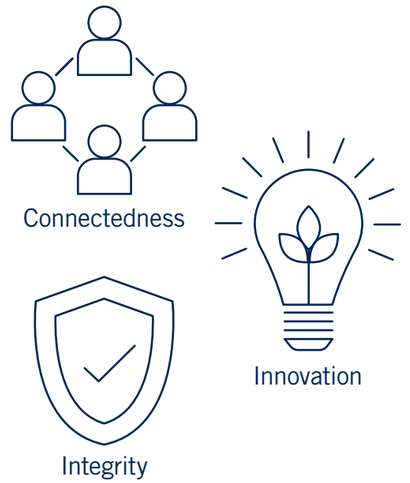
Increase in Safety Observations

reflects our 2024 focus on empowering employees to report near misses and share improvement ideas.

Company and Community

Empowering People, Growing Together

At Valent BioSciences, our culture is rooted in our values of connectedness, innovation, and integrity. As part of the global Sumitomo Chemical family, we draw on more than 60 years of scientific legacy while fostering a modern, inclusive workplace where our people can thrive. Our diverse teams contribute across a wide range of disciplines, from synthetic biology and plant pathology to regulatory affairs and supply chain, creating opportunities for professional growth and cross-functional collaboration. We believe that by investing in our employees, we strengthen our capacity to deliver sustainable solutions to the world's most pressing agricultural and environmental challenges.



GRI 401-2

We also know that a strong culture depends on supporting the whole person because our employees are the key to our continued success. We offer a competitive and comprehensive total rewards package to our full-time employees that includes:

- Base compensation
- Incentive plan participation
- High-quality health, dental, and vision benefits
- 401(k) contributions, including a discretionary match
- Life and disability insurance
- Paid time off
- Paid volunteering time off participation
- Educational assistance
- Employee assistance plan
- Flexible work arrangements
- Matching gift program

GRI 2-29, 413-1

Corporate Social Value

Our commitment to sustainability comes alive not only through the products and technologies we distribute for use around the world, but also in the ways that we support the communities in which we live and work. We believe in the importance of being a good global citizen through in-kind, financial, and volunteer support. We prioritize nonprofits and programs that share our business interests in protecting the environment, advancing food security and health, and increasing access to STEM education and careers.

In 2024, we hosted two internal sustainability webinars to raise awareness of our sustainability strategy and highlight its alignment with our core company values. These sessions introduced key initiatives and projects within our organization, with approximately 30% of employees participating. We collected feedback from attendees and received positive responses regarding the relevance and clarity of the content. Building on this momentum, we are committed to improving the quality and format of future sustainability training to engage more employees and deliver even greater value across the company.

Approximately

30%

of employees participated in two internal sustainability webinars

GRI
2-29, 413-1

Lake County, Illinois

In 2024, we continued our long-term support for the Lake County Forest Preserves (LCFP) in Lake County, Illinois. This year, our employees volunteered at the LCFP annual seed collection event, which yielded more than 880,000 prairie dropseeds that will be used for revitalizing native prairie ecosystems. Additionally, our team participated in a buckthorn removal event, helping to protect local ecosystems from the invasive species.

This year, we also partnered with GreenTown Grows, a nonprofit organization located in Waukegan, Illinois, dedicated to promoting urban farming and establishing community gardens throughout the area. We provided an in-kind donation of plant health products and seedlings and participated in garden cleanup days to support their local community gardens.

In 2024, we began partnering with the CARE Garden at The Chapel in Libertyville, Illinois. The CARE Garden provides for the community by growing fresh fruits and vegetables for families in need across Lake County.

These and other ongoing efforts in Lake County reflect our strong commitment to supporting our community in Illinois.

Mitchell County, Iowa

In 2024, we continued to invest in Mitchell County's communities, youth education, and environmental sustainability through a variety of meaningful initiatives. We provided donations to the NIACC National Signing Day to support new students entering technical programs and helped fund the Osage High School Robotics Team on their journey to the World Championship in Houston, Texas. We also contributed to the Mitchell County Environmental Education Foundation, supporting environmental education for all residents and visitors of the county.

Our commitment to the arts was reflected in a donation to the Cedar Summerstock Theatre, helping local youth showcase their talents in musical productions. We remained hands-on in our community, with employees volunteering to clean up local roadways through our Adopt-A-Highway events and participating in an Electronics Recycling Event, which supported our sustainability goals by reducing electronic waste.

60+

nonprofit organizations supported

by Valent BioSciences annually

GRI
2-29, 413-1

We also supported educational events like the Farm Safety Day Camp, hosted in partnership with Iowa State University Extension and Outreach. This program helped students learn to identify hazards on the farm and around their homes. Contributions to the Osage Police Department and Fire Department supported youth safety and prevention programs, while our donations to Ag in the Classroom helped integrate agriculture into local curricula.

Our support for STEM education continued with tours and career exposure for local students. We hosted Osage High School and Riceville High School for facility tours, where students learned about potential careers in science and manufacturing. Events like Bring Your Family to Work Day and our Butterfly & Bee Bonanza offered fun and interactive learning experiences centered around science, conservation, and community connection.

Additionally, we proudly sponsored the Mitchell County Fair, FFA student awards, and several youth programs like the Mitchell County 4-H & FFA ribbon auction, showing our continued commitment to local agriculture and youth leadership.

2,944

hours of paid time off for volunteering

(8 hours eligible annually, per employee)

Josephine County, Oregon

Our Mycorrhizal Applications colleagues in Oregon have several ongoing community relationships. One of those partnerships is with the Josephine County Food Bank, whose network of local agencies provides meals to more than 18,000 people monthly. We participate in several of the food bank's programs and events, including Plant-A-Row, seed swaps, and food drives. As part of our most recent Earth Day observance, we volunteered at its Community Garden, assisting with garden bed maintenance and other needs.

Through an Adopt-A-Street partnership, employees keep the streets surrounding our Grants Pass facility clean with quarterly trash pickups. Removing litter from our city streets keeps it out of local stormwater systems, creeks, and rivers and helps contribute to cleaner, healthier communities.

GRI 405-1

Diversity, Equity, & Inclusion

Employee Resource Groups

To create a more inclusive workplace and provide a platform for employees to connect and support each other, we have established 10 employee resource groups (ERGs) within the Valent group of companies (VGC). Each ERG is dedicated to fostering a sense of community and belonging. The ERGs provide employees with an opportunity to connect with others who share similar backgrounds and interests, both professionally and personally. The ERGs also allow employees exposure to other functions and departments in the company with which they may not be familiar.

AAVAL
African Americans at VGC

Diverse ABILITY
Employees with Visible and Invisible Disabilities

FOCUS
Fellowship of Christians United in SCC

HOLA!
LatinX VGC Employees

PAVE
Pan-Asian VGC Employees

PRIDE
LGBTQ+ Employees and Allies at VGC

SERV
Service Men and Women of Valent

VOICE
Parents and Caregivers

VOT
VGC on Track

WOVGC
Women of Valent Group Companies

GRI 405-1

Valent BioSciences Representation

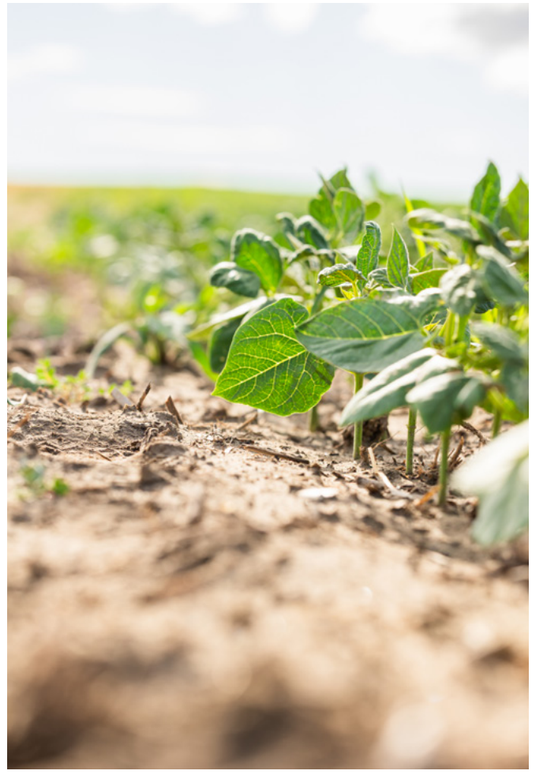
38%
women – all employees

26%
women – executive- and senior-level leaders

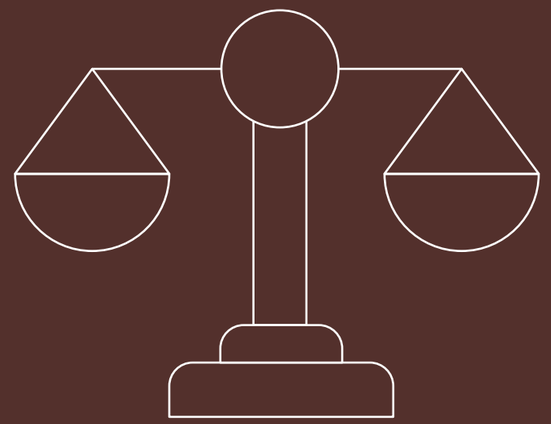
40%
women – first- and mid-level managers

22%
non-white all employees

20%
non-white first- and mid-level managers



Governance



GRI 2-9

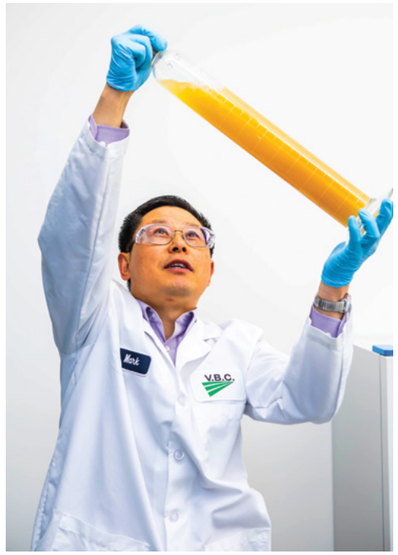
Leadership and Organizational Structure

The Board of Directors provides oversight of executive leadership's performance and strategic plans, which are aligned with the company's core business functions. Each member of the executive team operates under a defined Delegation of Authority (DOA) level, ensuring clear accountability and decision-making across the organization.

GRI 2-29

Stakeholder Engagement

Valent BioSciences actively engages with a broad network of stakeholders across internal and external groups, including employees, suppliers, distribution and sales affiliates, and agricultural cooperatives. We recognize that open, ongoing dialogue with these groups is essential to our long-term success and to advancing our sustainability goals. Stakeholder engagement is tailored to the needs of each audience and location, with focused initiatives in place at our most critical sites, such as our manufacturing facility in Osage, Iowa, and around key themes relevant to our business and impact.



GRI 2-24, 2-26

Compliance and Ethics

A strong culture of integrity underpins all aspects of our business. All employees participate in mandatory compliance training, covering core topics to ensure awareness and adherence to our ethical standards. We maintain a robust "speak up" policy that provides employees with a confidential and non-retaliatory channel to raise concerns, supported by an open-door policy that encourages transparency and dialogue at every leadership level.

Our compliance practices are aligned with the policies of our parent company, Sumitomo Chemical, ensuring consistency with their global standards and sustainability commitments. A complete list of these policies is available here.

2024 Global Reporting Initiative (GRI)

In 2024, Valent BioSciences continued on our important journey to align with GRI standards in our sustainability reporting metrics. Please use this link to access our 2024 GRI Content Index.

valentbiosciences.com

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