

# 2025

SUSTAINABILITY REPORT

MARKING A YEAR OF PROGRESS AND TRANSITION



**SUMITOMO BIORATIONAL**

# About this Report

We are committed to reporting annually on sustainability progress. This report reflects the sustainability initiatives, achievements, and performance of Valent BioSciences LLC from April 1, 2025, through March 31, 2026. Although Sumitomo Biorational Company LLC officially began operations on April 1, 2026, following the close of the reporting period, the accomplishments and data presented in this report reflect the strong sustainability foundation established by Valent BioSciences.

## Looking Ahead

Beginning with the Fiscal Year 2026 (FY26) Sustainability Report, Sumitomo Biorational Company and Valent U.S.A. LLC, Sumitomo Chemical Co., Ltd.'s North American crop protection company, will publish a single, combined Sustainability Report. The new report will provide stakeholders with a broader view of the organizations' shared commitment to innovation, environmental stewardship, and responsible business practices while highlighting sustainability performance and initiatives across both companies.

## Introducing Sumitomo Biorational Company

Sumitomo Biorational Company is Sumitomo Chemical's new Global Center of Excellence for Biorational Innovation, bringing decades of scientific expertise to develop and deliver innovative solutions derived from natural sources, including microbials and botanicals. Headquartered in Libertyville, Illinois, the company serves customers around the world by advancing sustainable technologies for agriculture, environmental health, public health, and forest health.

Officially launched on April 1, 2026, Sumitomo Biorational Company unites Valent BioSciences, McLaughlin Gormley King Company (MGK), and Valent North America LLC into a single, collaborative organization. By combining world-class research, product development, regulatory expertise, manufacturing, and commercial capabilities, the company is accelerating innovation while expanding its ability to meet the evolving needs of customers and communities worldwide.

Sumitomo Biorational Company operates through three business divisions:

- The AgroSolutions Division develops biorational technologies that help growers improve productivity while supporting sustainable agricultural practices.
- The Environmental Health Division, which includes the MGK business, delivers trusted solutions for professional and consumer environmental health markets.
- The Public Health and Forest Health Division provides technologies that protect public health and preserve forest ecosystems around the globe.

This report reflects a transformational period in the company's history. While Sumitomo Biorational Company officially began operations following the close of FY25, the sustainability data, accomplishments, and stories shared throughout this report reflect the work of Valent BioSciences during FY25. These achievements represent the strong foundation upon which Sumitomo Biorational Company was built and demonstrate the enduring commitment to scientific innovation and responsible stewardship that continues to guide the company today.





# 2025 Sustainability Report

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\*Report covers Fiscal Year 2025 (FY25).  
Throughout the report, we have used blue ovals to highlight the corresponding GRI Standards described in each section.



# About Us



**2000**

Sumitomo Chemical acquires ag assets from Abbott Laboratories' specialty agriculture and public health businesses, and establishes Valent BioSciences

**2015**

Valent BioSciences acquires Mycorrhizal Applications

**2014**

Opening of the Osage, IA, Fermentation Plant

**2018**

Opening of the Biorational Research Center in Libertyville, IL

**2020**

Opening of the company's global headquarters in Libertyville, IL

**2026**

**SUMITOMO BIORATIONAL**

Valent BioSciences joins MGK and Valent North America LLC under a new unified organization, Sumitomo Biorational Company

**2023**

Valent BioSciences acquires FBSciences

## ABOUT US

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

### Who We Are

Sumitomo Biorational Company is the Global Center of Excellence for Biorational Innovation, advancing integrated, science-driven solutions in agriculture, public health, forest health, and environmental health. A subsidiary of Sumitomo Chemical, Sumitomo Biorational Company operates through three divisions: AgroSolutions, Environmental Health, and Public Health & Forest Health, leveraging decades of expertise to drive innovation and sustainability for customers worldwide.

### Guiding Philosophy

Under Sumitomo Chemical philosophy, “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.

### How We Do It

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

### 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 President and CEO



## A MESSAGE FROM OUR PRESIDENT AND CEO



Shin Shojima

**Throughout our history, sustainability has always been a cornerstone of our operations, innovation, and growth.** In alignment with the Sumitomo Chemical principle of *Jiri-Rita Koushi-Ichinyo*, that our business should benefit both society and the company, we remain committed to developing innovative solutions that contribute to healthier farms, forests, and communities for generations to come.

As global agriculture and environmental challenges continue to increase, so does the need for science-driven solutions that improve resilience, productivity, and long-term sustainability.

This 2025 Sustainability Report reflects both the progress we've made so far and our future direction. During the reporting period, we continued to advance our sustainability journey through expanded life cycle assessments (LCAs), ongoing improvements in our sustainability reporting, and a continued focus on responsible operations across our business. These efforts help us better measure and communicate our impact, identify opportunities for improvement, and support informed decision-making for our customers, partners, and stakeholders.

Fiscal year 2025 also marked an important period of transformation for our organization as we prepared for the transition to Sumitomo Biorational Company. This evolution, combining our business with sister companies MGK and Valent North America, reflects our goal to further strengthen our position as a global leader in biorational innovation by bringing together expanded capabilities, deeper expertise, and a broader portfolio of solutions for our end-users.

With our parent company Sumitomo Chemical, we are building on decades of scientific leadership in fermentation, formulation, biological sciences, and rhizosphere research to help address critical global challenges. Our approach combines rigorous research with practical application to deliver technologies that help customers improve performance while advancing sustainability goals.

In our new future as Sumitomo Biorational Company, we look forward to building on the same strong foundation with expanded scale and impact. We believe the future will increasingly depend on solutions that balance productivity, environmental stewardship, and scientific innovation, and we are committed to helping lead that future.

Shinsuke (Shin) Shojima  
President and CEO  
Sumitomo Biorational Company

# Sustainability Strategy



## Sustainability Goals

### Emission 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 through operational initiatives and leveraging new bioprocessing capabilities. Scope 1 emissions are generated directly by company facilities, while Scope 2 emissions are indirect emissions generated through purchased electricity and utilities.

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. Between 2024 and 2025, our emissions were stable, showing small variations when facing a 2.8% higher production amount at our main manufacturing facility, which accounts for 90%+ of our combined Scope 1 and Scope 2 emissions.

### Our Impact:

Our work and biorational solutions contribute to 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.

# Sustainability Reporting

## Double Materiality Assessment

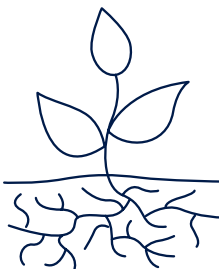
**In 2024, we conducted the first-ever double materiality assessment for our organization.** The double materiality assessment is designed to evaluate the financial, environmental, and social impacts of our activities, business relationships, and assets. Conducting this assessment provides a foundation 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 regularly to monitor changes in priorities, build on the current assessment, and gather insights to help guide our sustainability strategy moving forward.

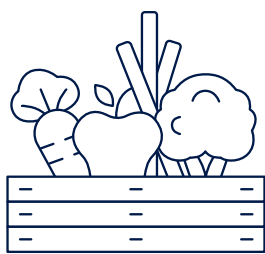
Across all internal stakeholder groups, several key topics consistently emerged as critical priorities to tackle. The results of the double materiality assessment reaffirmed the alignment between our stakeholders' priorities and our company's purpose. The key topics that emerged from the assessment are central to our mission because they directly impact the sustainability and resilience of the industries we serve. These include:



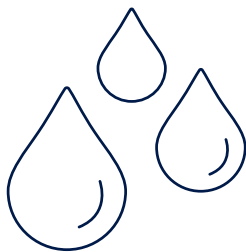
Pesticide Use



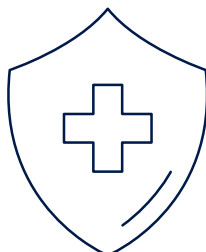
Soil Health



Food Security and Safety



Water and Effluents



Occupational Health and Safety

## Looking Ahead

The double materiality assessment represents an important 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

Each year, we continue to align our Sustainability Report with international methodology and standards, and we remain committed to collaborating with each function of our business to continue improving the granularity of the data and documenting our progress toward our goals.

|           |                                                                                                                     |
|-----------|---------------------------------------------------------------------------------------------------------------------|
| 2018      | Published 1st Sustainability Report based on UN SDGs                                                                |
| 2019-2022 | Annual publication of the Sustainability Report                                                                     |
| 2023      | Added GRI standards                                                                                                 |
| 2024      | Added double materiality assessment results                                                                         |
| 2025      | Expanded Life Cycle Assessments (LCAs)                                                                              |
| 2026      | Migrate Sustainability Report to a broader view as a combined Sumitomo Biorational Company and Valent U.S.A. report |

# GRI Global Reporting Initiative (GRI) Overview

Since our founding, sustainability has been core to the company and our culture. To continue strategically embedding sustainability across all facets of our business, we are using the internationally recognized Global Reporting Initiative (GRI) framework to help guide and strengthen our sustainability reporting and communication.

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.sumitomobiorational.com/gri-index](http://www.sumitomobiorational.com/gri-index) to review the GRI standards and related data identified as most relevant to our business and operations.

## Sustainable Development Goals

We have worked with eight SDGs directly linked to our business since 2018. In 2024, the company conducted an initial materiality assessment, using GRI topics specific to agriculture-related industries. Each GRI topic is directly linked to relevant SDGs, 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 use                            |              |               | ●                            |                     |                   | ●                                         |                   | ●               |
| 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 our 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.



**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 greenhouse gas emissions to achieve our carbon neutrality goal.

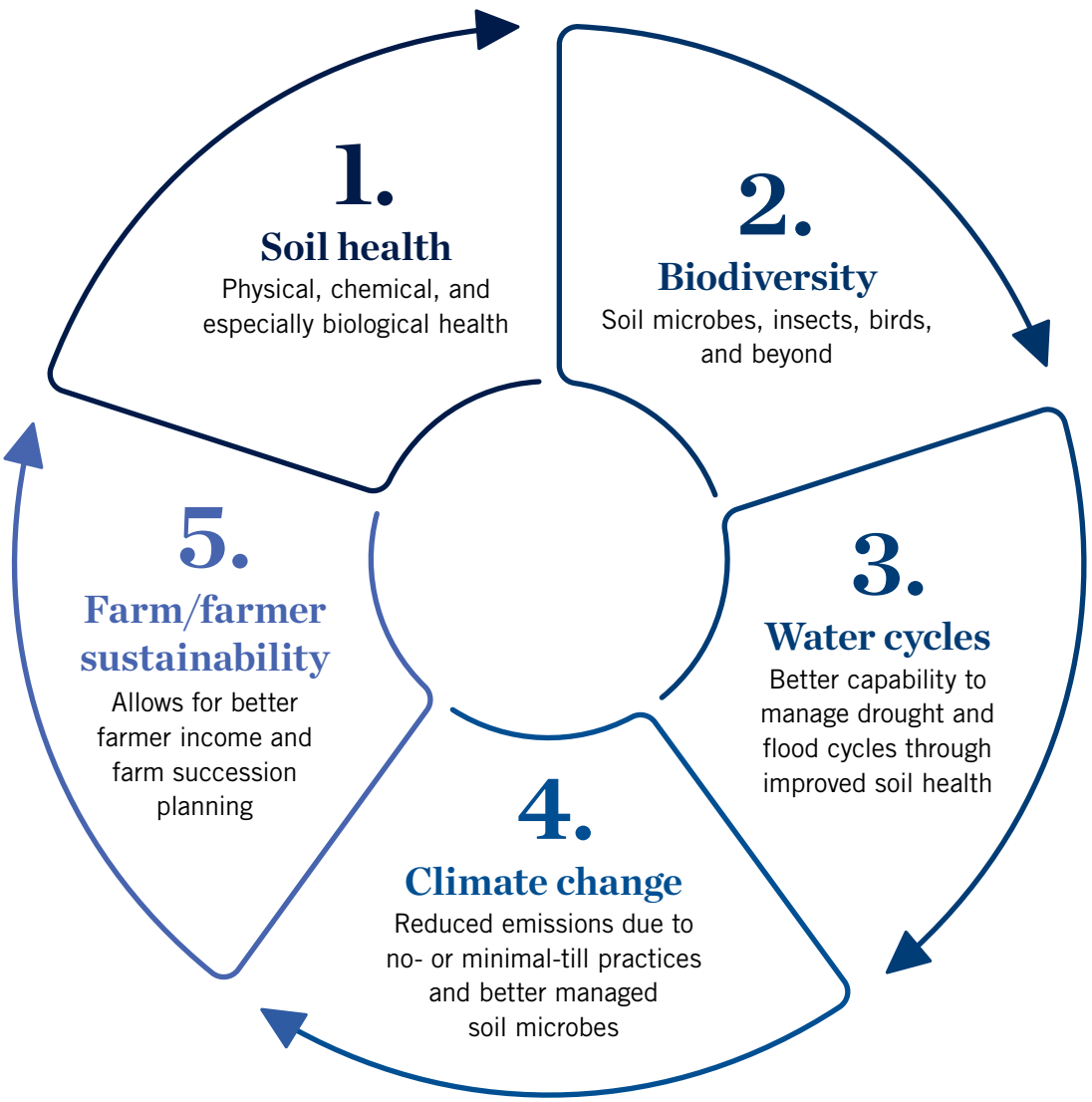


**Life on Land** reinforces our commitment to biodiversity protection, public health, and forest health through our sustainable biological products.



# Regenerative Agriculture Approach

Regenerative agriculture is a broadly used term to reference high-yielding and sustainable ways of growing crops, and biorational products can help add value in regenerative agriculture systems. There is no universal definition for the term, but most definitions include improving the following:

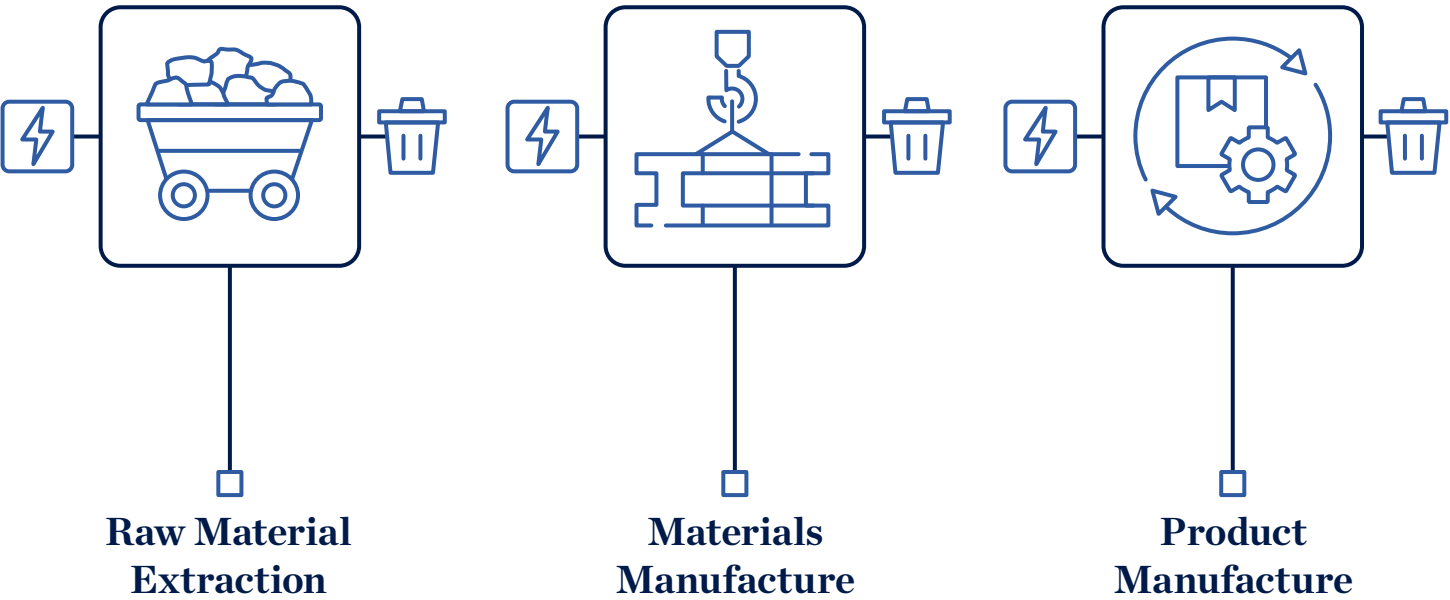


# Life Cycle Assessments



In 2025, we continued our Life Cycle Assessment (LCA) 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 favorable environmental performance. This initiative marked 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.

In 2025, our team worked with Boundless Impact Research & Analytics to conduct a third-party, independent evaluation to review the cost, risk, and performance drivers across the full lifecycle of technologies, products, and infrastructures from cradle to gate.







Evaluations included greenhouse gas emissions and water usage from manufacturing, including ingredient emissions. Products were compared to an average of 200 common ag inputs selected by Boundless.

The evaluations determined that Aveo EZ Nematicide, ProGibb® 40% Plant Growth Regulator Water Soluble Granule, and MycoApply® EndoMaxx® SC had from 110 to over 1,000 times smaller greenhouse gas emissions footprint than the comparison group of ag inputs. The water usage footprint of Aveo EZ, ProGibb 40 SG, and MycoApply EndoMaxx SC was from 87 to over 1,000 times smaller than the benchmark group.

DiPel ESNT manufacturing has an estimated greenhouse gas footprint of 4.75 kg of carbon dioxide equivalent per hectare of application, which is only 18% of the comparison group average, and DiPel DF manufacturing has an estimated greenhouse gas footprint of 8 kg of carbon dioxide equivalent per hectare of application. DiPel ESNT manufacturing has an estimated fossil energy footprint of 38.7 megajoules per hectare of production, which is only 11% of the comparison group average, and a water usage footprint of 40.6 liters per hectare.

The ingredients and manufacturing of five products were evaluated:

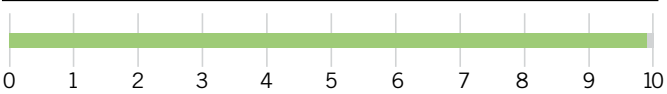


Environmental Impact Scores\*



Aveo EZ Environmental Impact Score

9.9/10



\*Smallest environmental impact = 10; measured by hectare of application

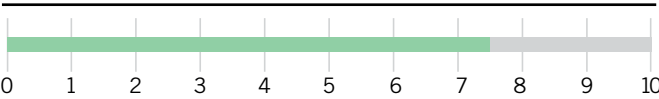






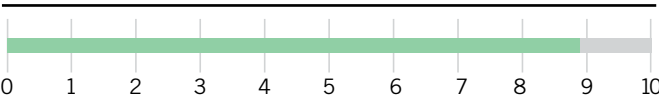
DiPel DF Environmental Impact Score

7.5/10



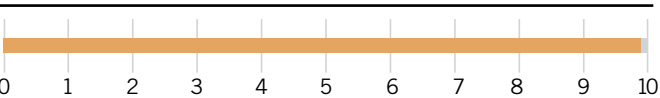
DiPel ESNT Environmental Impact Score

8.9/10



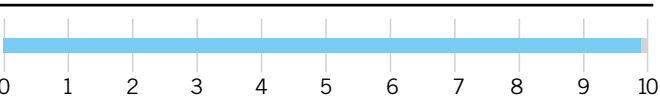
EndoMaxx SC Environmental Impact Score

9.9/10



ProGibb 40 SG Environmental Impact Score

9.9/10







# Sustainable Solutions



## 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. Our innovation focuses on products with a reduced environmental profile, including new products and uses, as well as nitrogen use reduction. We are actively improving processes to reduce cycle time (e.g., energy inputs), improve product safety (e.g., byproduct profiling), and optimize water use.

We have also enhanced our research and development facilities to support our core expertise and legacy of innovation. The global Melnik and Shafer Biorational Research Center expansion was completed in 2025, increasing the greenhouse footprint by 42% and enhancing our research and development capacity.

To ensure that our products provide end users with the highest quality, sustainability, and efficacy, we administer a robust trial program. We conducted more than 900 global research trials for our biorational portfolio in 2025.

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 2025, we hosted 33 tours for end users, industry partners, government officials, and academic researchers, providing an inside look at our scientists' work to bring new and improved innovations to regions worldwide.



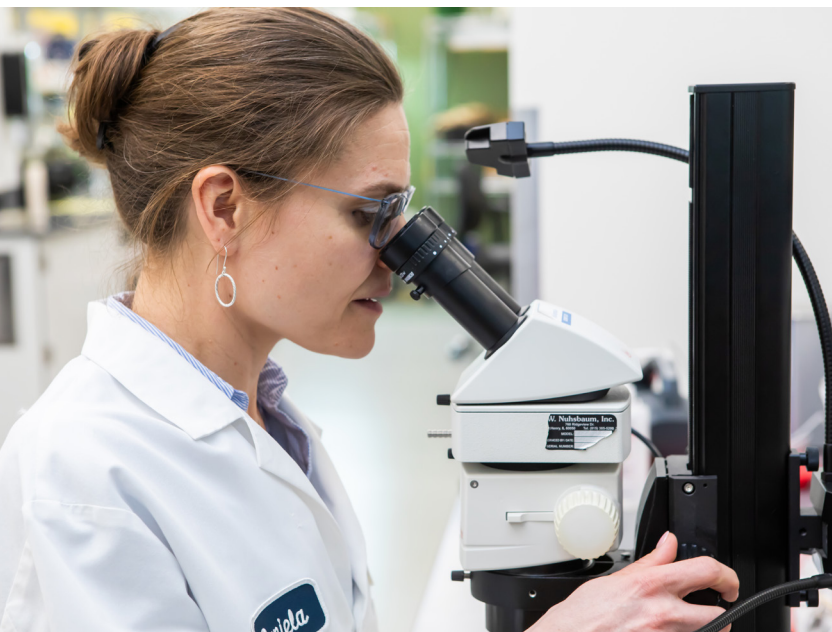


42%  
Increase in  
Greenhouse Capacity

33

Tours Conducted of Melnik  
and Shafer Biorational  
Research Center

900+  
Global Research  
Trials Completed



2025 Product Launches

We launched several new products in 2025, supporting our research and development goals.

Launches in Europe, Middle East, and Africa (EMEA) included:



**MCOM Technology** (mineral complexed organic matter): This new biostimulant technology improves nutrient uptake and stress tolerance, and is included in products like **BoronBoost® Prime** for flowering crops, **Zicron®** for early-season growth, and upcoming innovations such as **TransTec® Duo** and **SuperSede® Seed Treatment**.

**TopGrain®**

**TopGrain®** is an **S-ABA (abscisic acid)** product that enhances physiological processes in the plant, targeting improved grain quality and yield.

Three other products were launched in the U.S.:

**SugarMax®** 

**SugarMax®** Plant Growth Regulator is a novel ripening agent for sugarcane. It promotes ripening and sugar accumulation in plant stems, resulting in greater sucrose availability, higher cane yield, and increased sugar productivity per acre without damaging regrowth.

**Sweetsei®**

**Sweetsei®** is a revolutionary biostimulant designed with an optimized biochemical matrix that influences key plant pathways to improve quality parameters in specialty crops.

**GrainStar™**

**GrainStar™** Plant Growth Regulator was developed to help crops navigate stress challenges by improving plant physiology. A first-of-its-kind S-ABA formulation, GrainStar promotes the mobilization of carbohydrates to the developing grain.





# Agriculture

Each year, farmers face increasing complexity in their operations, from high input costs and climate volatility to market demands and pest pressure, all while striving to maximize profitability and productivity to meet rising global food demand.

Offering the broadest biorational portfolio of science-driven, proven solutions, our biorationals help farmers meet these challenges head-on. Our biorational portfolio for agriculture complements conventional chemistries and includes crop protection products, plant growth regulators, biostimulants, 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 rising population while protecting the health and legacy of their farms for generations to come.

## Biostimulants

As growers face increasing pressures on market demands, input volatility, and, ultimately, their bottom line, they are broadening and diversifying their practices to remain resilient and sustainable—ecologically, economically, and in their quality of life. Biostimulants have emerged as essential tools to support farmers as they continue to improve their sustainability. 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.

Our biostimulant portfolio also supports one or more material sustainability priorities: 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:

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

**SuperSede®** Soybean is a seed treatment powered by Transit® biostimulant with key soybean nutrition that increases germination and supports early root growth for uniformity and plant establishment. SuperSede also supports increased nodulation for improved nitrogen fixation.



John Buck of Buck Farms



U.S. Biostimulants Associate Director of Sales & Technical Services Ben Dahlstrom and Meister Media representative Eric Sfiligoj present award to winner John Buck.

## First Biostimulant Innovator of the Year Awarded

Valent BioSciences sponsored the Biostimulant Innovator of the Year Award to celebrate the people shaping the future of sustainable agriculture. John Buck of Buck Farms in Ohio was the inaugural winner, and finalists included Stefano Marcenò of Italy and Taylor Braungardt of Kansas.

With a spirit of curiosity and a desire to avoid the status quo, Buck began testing biostimulants in on-farm trials, and based on the improved crop performance, they became core to his operation. A third-generation farmer, he has focused on measuring and validating biostimulants. By focusing on data, he has enhanced plant health, increased yields, improved nutrient uptake, and increased resilience during drought conditions.

“If you don’t have proof of it, it’s only a thought process,” he said in an interview for the award. “One farmer used a product on every acre and thought it wasn’t making money, but he never left a spot untreated to compare. You must evaluate it properly, and that takes effort.”

As biostimulant solutions continue to be more widely adopted, Buck is leading the way as more farmers embrace more sustainable innovations.

“It’s not about finding an easy button,” he said. “It’s about asking the right questions, trying new things, and always learning. That’s what keeps this farm—and our soil—thriving.”

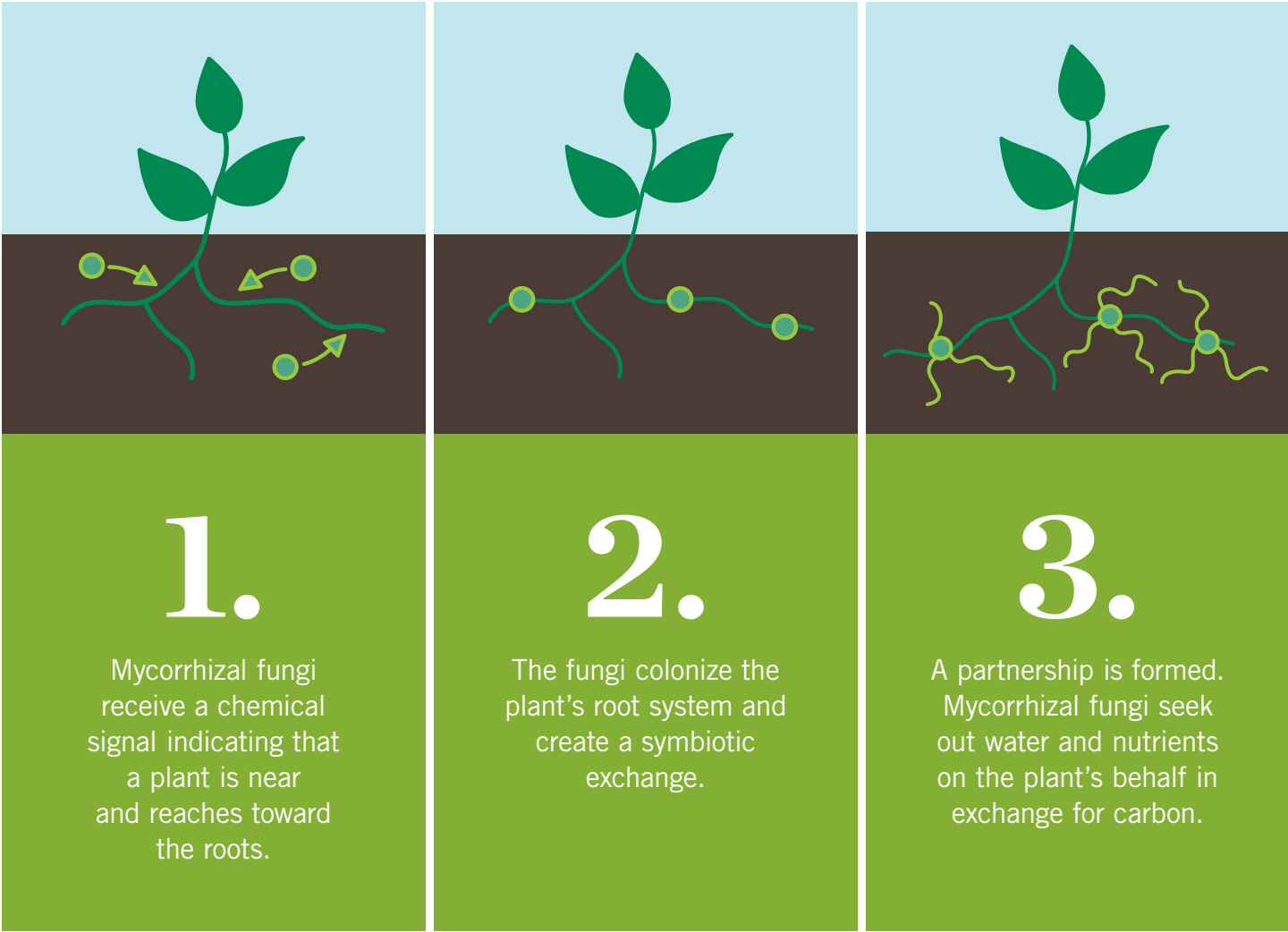
*Photos courtesy of Meister Media Worldwide, Inc.*



Mycorrhizal Applications

As the global leader in mycorrhizal fungi technology, subsidiary Mycorrhizal Applications continues to advance the science and adoption of arbuscular mycorrhizal fungi (AMF) across agriculture and horticulture. With a leading portfolio of AMF solutions, Mycorrhizal Applications is driving meaningful progress in soil health, nutrient use efficiency, and climate resilience—all of which are central to our sustainability commitments.

How It Works



In 2024, we partnered with the Donald Danforth Plant Science Center in St. Louis to evaluate direct emissions from corn plots that were being used to evaluate MycoApply against a control and saw an average reduction of 33% in nitrous oxide emissions. Due to these results, in 2025, we worked with a high-yielding industrial hemp seed company, New West Genetics, to study this effect on hemp, as it is known to establish a strong relationship with mycorrhizae. In the resulting trial, located at the University of Illinois at Urbana-Champaign, the nitrous oxide reductions reached levels above 40% on two distinct New West varieties.

To expand the production capacity for our AMF portfolio, construction of a new manufacturing facility in White City, Oregon, is underway, with expected completion in Fiscal Year 2026. Once completed, this facility will enhance our ability to meet the growing global demand for mycorrhizal inoculants.

Here are a few highlights from the Mycorrhizal Applications portfolio:

- MycoApply® Mycorrhizal Inoculant** products help extend the root absorption area of plants, resulting in enhanced plant productivity and improved long-term soil health.
- AmyloShield® Biological Fungicide** is a highly effective biofungicide that provides consistent control and suppression of a broad spectrum of fungal and bacterial diseases.



Magic Gardener® Launches in Retail Garden Centers for Home Gardeners

Magic Gardener® is a new line of broad-spectrum biological fungicide and bactericide 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 products, including:

- **Fungus Gnat Killer**
- **Biofungicide**
- **Caterpillar Control**
- **Mycorrhizae for Fruit, Flower, & Vegetable**
- **Mycorrhizae for Trees & Shrubs**

For our retail garden partners, the Magic Gardener product line offers a professional product in eye-catching retail packaging, along with proven efficacy and quality they can trust.



Crop Enhancement

Our plant growth regulator (PGR) portfolio has helped transform agricultural practices for more than six decades. Offering growers cutting-edge biochemistry, these products help 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 support growers by stimulating and regulating natural plant processes. 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, including:

**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 found naturally in plant species. ProGibb can increase the size and quality of fruits, vegetables, and other crops.

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





Valent BioSciences' Crop Protection Technical Development Manager Daniel Zommick, center, accepts the Bernard Blum Award from Helma Verberkt, Managing Director of the Netherlands branch of the International Biocontrol Manufacturers Association (IBMA), and David Cary, IBMA Executive Director.

### OutReach® SC Biological Nematicide Wins Silver Bernard Blum Award

Recognized for its dual-function microbial approach to pest management, OutReach SC Biological Nematicide won the Silver Bernard Blum Award during the 2025 Annual Biocontrol Industry Meeting in Basel, Switzerland. This product brings together a proven biological nematicide and beneficial mycorrhizal fungi in a single, easy-to-use SC (suspension concentrate). Multi-year trials show that OutReach SC delivers nematode suppression on par with leading chemical nematicides under normal to moderate nematode pressure.

The Bernard Blum Award “recognizes outstanding achievements in developing sustainable solutions that contribute to the future of agriculture.” Selection criteria include scientific merit, degree of innovation, contribution to sustainable agriculture, and commercial opportunity.



Crop Protection

Pest pressure remains one of the most persistent and growing threats to global food security. An average of 10 to 28 percent of crop production is lost to insect pests globally, according to the Food and Agriculture Organization of the United Nations, and that number continues to increase. The need for effective and sustainable solutions is 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.





# Public Health

Mosquito-borne diseases continue to pose a growing global health threat. Dengue reached its highest recorded global burden in 2024, with the World Health Organization (WHO) reporting 14.4 million cases and 11,201 deaths worldwide. Provisional 2025 surveillance indicates dengue remained widespread, with European Centre for Disease Prevention and Control (ECDC) reporting more than 4 million cases and 2,500 deaths globally by September 2025, and the Pan American Health Organization (PAHO) reporting 4.46 million suspected cases and 2,207 deaths in the Americas for the full 2025 epidemiological year. Malaria also remains a major global killer. The latest WHO data estimate 282 million malaria cases and 610,000 deaths in 2024, with the African region accounting for 94% of cases and 95% of deaths. Climate change, urbanization, and population growth are increasing the suitability of many areas for mosquito transmission, while travel and trade can accelerate the movement of vector-borne diseases across regions. 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.



This year, we expanded our role as an educational partner with the United Nations Foundation's United to Beat Malaria campaign and other global organizations, strengthening our commitment to advancing awareness of outdoor mosquito management as a critical component in the fight against mosquito-borne diseases. We also returned to the United Nations General Assembly, where we helped bring this conversation to a global audience once again. The discussion highlighted current and historical evidence on the role of outdoor mosquito management in malaria elimination, including successful examples of Integrated Mosquito Management (IMM) strategies that combine outdoor and indoor interventions. Experts explored how source reduction, sustainable insecticide solutions, emerging technologies, and community engagement can reduce malaria transmission, protect vulnerable communities, and support broader economic development across Africa and other high-risk regions. The 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.

Sources

1. <https://www.who.int/teams/global-malaria-programme/reports/world-malaria-report-2025>
2. <https://www.who.int/news-room/fact-sheets/detail/dengue-and-severe-dengue>
3. <https://www.cdc.gov/dengue/areas-with-risk/index.html>
4. <https://www.who.int/publications/i/item/who-wer10052-665-678>
5. <https://www.paho.org/sites/default/files/2026/02/2026-18-feb-phe-epi-update-dengue-enfinal1.pdf>
6. <https://www.ecdc.europa.eu/en/publications-data/12-month-dengue-virus-disease-case-notification-rate-100-000-population-september>





# Forest Health

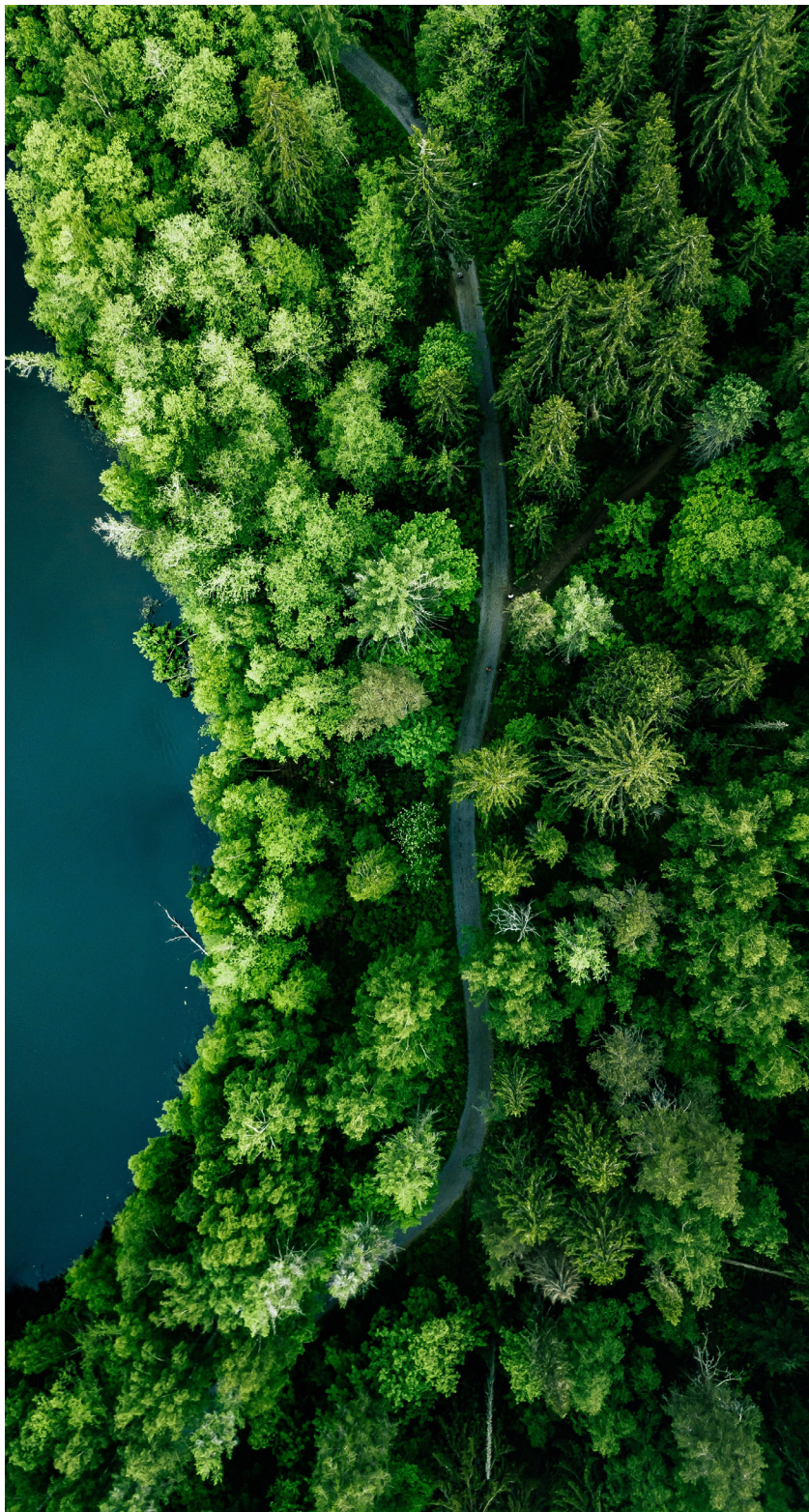
As global temperatures climb, the pressures on our forests are growing more intense, putting ecosystems worldwide at risk. Deforestation, escalating wildfires, and mounting insect outbreaks are threatening forest health. Insects can be among the most damaging forces by weakening trees, increasing their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

Our Foray® and Mimic® biorational insecticides are designed to meet these challenges. These highly targeted products help protect our global forests from leaf-defoliating insects. With multiple formulations registered in markets around the world, including an option for use in organic forest management, 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.

Released in late 2024, our forest health documentary, “Protecting Earth’s Lungs,” continues to serve as an influential educational resource for global audiences. The film explores the vital role forests play in sustaining life on Earth, the growing threats they face, and the urgent actions needed to protect them.

Rail transport is an important mode for shipping our main Forest Health solutions, significantly reducing our environmental footprint. Each railcar used in shipping equates to an average of 4.4 truck shipments. In 2025, we shipped 14 railcars of Foray to Canada, removing approximately 62 trucks from the road.

Transporting Foray from our Osage, Iowa, facility to Quebec City, Quebec—a journey of 1,087 miles—by rail results in a substantial drop in carbon emissions compared to trucking. The continued use of railcars demonstrates our ongoing commitment to sustainable operations and our leadership in protecting and nurturing forests worldwide.



Global Impact Based on Sales

4.76M+  
Metric Tonnes  
of Sequestered Carbon

74.6M+  
Metric Tonnes  
of Protected Soil Carbon Stock

1.49M+  
Hectares  
of Protected Forests in 10 Countries



# Sustainable Operations



## Sustainable Sourcing

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.

### 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.

In 2025, **32 of our key suppliers were assessed and rated by EcoVadis**, bringing the total number to **53 key suppliers** to date, which is more than 80% of our suppliers by spend. Overall, **63%** of the **32** reassessed suppliers improved their score by **4.5%** over their most recent assessed score. **94%** of the reassessed suppliers improved by **56%** compared to their first assessment several years ago. Their overall scores in advanced categories increased to **50%**. All four categories saw improved scores, including Environment, Labor & Human Rights, Ethics, and Sustainable Procurement. When comparing the 2025 reassessed suppliers to their first assessment, the biggest improvements were in Sustainable Procurement (**80%**) and Ethics (**62%**).

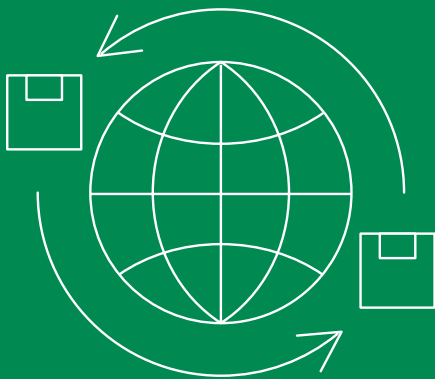


### EcoVadis Standards:

Environment, Labor & Human Rights,  
Ethics, Sustainable Procurement



Our parent company Sumitomo Chemical scored in the 86th percentile overall on the Sustainability Performance Overview by EcoVadis in the category titled, “Manufacture of basic chemicals, fertilizers, nitrogen compounds, plastics, and synthetic rubber in primary forms.” Sumitomo Chemical scored in the top 1% of companies for Sustainable Procurement, the top 6% of companies for Ethics, and the top 7% of companies for Environment.



80%  
of Suppliers

by Spend Assessed  
by EcoVadis

56%  
Score  
Improvement

In 2025 Among 94% of  
Reassessed Suppliers



Packaging

As part of our ongoing commitment to sustainable recycling, we have been a member of the Ag Container Recycling Council (ACRC) for more than 20 years. The ACRC is an industry-funded, nonprofit 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.

20+  
Years of  
Membership

Ag Container  
Recycling Council



# Manufacturing

## White City, Oregon

Construction of a new manufacturing facility in White City began in January 2024 and is planned to be operational in Fiscal Year 2026. From the initial planning stages through ongoing development, sustainability remains our core priority. The site features advanced process systems and will serve as a hub for our global AMF business.



## Osage, Iowa

The facility in Osage has been operating since 2014 and has been committed to using a lean management approach to reduce waste and increase sustainability in its manufacturing process.



# Safety

**Responsible Care is at the core of our operations. Safety and compliance are the highest priorities.** Every employee has a Responsible Care engagement 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, security, and quality activities throughout the year, including training, education, safety walks, observations, and risk assessments. We host monthly safety meetings to reinforce key safety practices, a dedicated Safety Week annually, and fire extinguisher training sessions to ensure employees are aware and prepared in case of an emergency.

In 2025, across all group companies, employees performed **7,691 Responsible Care activities**, which increased from 6,714 in 2024. The number has grown steadily since the platform's launch in 2019, which reflects increased engagement in Responsible Care among our employees.

In 2025, Responsible Care sustainability efforts primarily focused on waste reduction, pollution prevention, responsible chemical management, and protecting people.

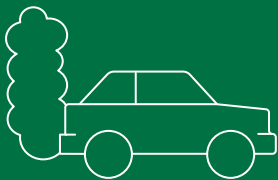
**7,691**  
Responsible  
Care Activities  
in 2025, an increase from  
6,714 in 2024



Initiatives in 2025 included:



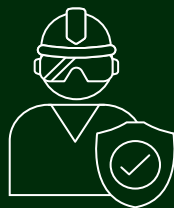
Minimizing hazardous waste through source reduction and improved segregation.



Preventing pollution by reducing chemical discharges and emissions.



Strengthening chemical management through safer substitutions, inventory control, and reduced volumes in lab processes.



Enhancing worker health and safety by reducing exposures, improving ergonomics, and promoting safer work practices.



In 2025, a software-based ergonomics assessment and risk management tool was rolled out to employees. This software helps identify, evaluate, and reduce workplace ergonomic hazards that can lead to musculoskeletal disorders and injuries. The system uses tools such as video-based task analysis, artificial intelligence-assisted motion tracking, ergonomic risk scoring, and employee self-assessments. The platform also allows us to standardize ergonomic assessments across sites, improve workplace design, reduce injury rates, support safety and wellness initiatives, and enhance compliance with occupational health and safety programs such as ISO 45001.

# Quality and Product Integrity

**Product quality and sustainability are closely connected.**

Consistent manufacturing, rigorous quality systems, and product stewardship help customers achieve reliable performance while reducing waste and inefficiencies. In 2025, the Quality team strengthened laboratory controls, product-release disciplines, and continuous improvement practices. These systems protect customers, support regulatory compliance, and help ensure that products are made, tested, documented, and released right the first time. This work connected safety, compliance, operational excellence, and stewardship by reinforcing risk-based controls, validated processes, microbial monitoring, stability testing, nonconformance management, timely escalation, and employee ownership of quality in every task.



Key accomplishments in 2025:

Continued stabilization and adoption of the OpenText Quality Management System.

Hypercare issues were resolved by first quarter.

Designated users across Quality and key cross-functional areas were trained and active.

Routine use of OpenText became embedded in daily quality assurance (QA) and laboratory work for document reviews, controlled forms, quality records, Corrective and Preventive Action (CAPA) initiation, and audit readiness.

CAPA closure time and document cycle time metrics were established and reviewed through the Quality Leadership Team, improving traceability, accountability, and leadership visibility to quality system performance.

Successful ISO 9001:2015 recertification with zero nonconformities, demonstrating the sustained effectiveness of the Quality Management System and strong cross-functional ownership of document control, CAPA, internal audit, management review, change control, and process discipline.





# Company and Community



## Empowering People, Growing Together

**Our culture is rooted in 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.

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





# 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 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.

2,816

hours of paid time off  
for volunteering

(8 hours eligible annually, per employee)



## Lake County, Illinois

In 2025, we continued our long-term support of community and environmental initiatives across Lake County, Illinois. Employees volunteered with Lake County Forest Preserves (LCFP) at their annual seed collection event, which yielded more than 880,000 prairie dropseeds for native ecosystem restoration, and participated in a buckthorn removal project to help protect local habitats from invasive species. We also sponsored the LCFP Youth Conservation Corps Program, which provides hands-on, paid learning opportunities in habitat restoration for students from Waukegan, North Chicago, and Zion.

Additionally, the company partnered with the CARE Garden at The Chapel in Libertyville for the second consecutive year, providing hundreds of vegetable seedlings, and organizing garden maintenance days for employee volunteers. The donations directly supported the harvest of more than 15,350 pounds of produce in 2025, which was donated to two local food pantries that serve approximately 400–600 families in the area.

For the fourth consecutive year, employees participated in a holiday giving program with Court Appointed Special Advocates (CASA) by purchasing gifts for children in the foster care system. We also supported the Lake County Pride Festival for the fifth consecutive year, helping celebrate community and support the work of the LGBTQ+ Center Lake County.

This year, the organization sponsored a local STEAM Showcase where students from two nearby high schools presented projects focused on solving real-world problems. We also hosted the annual walk for the Special Education District of Lake County, with 68 employees participating in a 5K around our office campus in support of the organization's mission. In addition, we hosted a blood drive with Versiti Blood Center of Illinois, where 31 employees donated blood, including 10 first-time donors. Altogether, 30 units of blood were collected, potentially helping up to 90 patients in local Chicagoland hospitals.

These ongoing efforts reflect our continued commitment to supporting local communities throughout Illinois.





Mitchell County, Iowa

In 2025, we continued to advance our commitment to sustainable community development in Mitchell County, Iowa, by investing in initiatives that promote education, environmental stewardship, and community well-being.

We supported workforce readiness and skills development through our contribution to North Iowa Area Community College (NIACC) National Signing Day and our partnership with the Osage High School Industrial Technology program, enabling students to gain hands-on experience and build technical capabilities aligned with future industry needs. Our ongoing investment in STEAM education included supporting local robotics teams, the Osage Community LEGO League, and participation in the local STEAM Festival. These efforts help foster innovation, problem-solving, and early interest in science, technology, engineering, arts, and mathematics.

We reinforced our commitment to agriculture and youth leadership by supporting local FFA and 4-H programs, including multiple chapter donations, the Mitchell County 4-H Foundation, and sponsorship of the Mitchell County Fair. These initiatives help cultivate the next generation of agricultural leaders while strengthening the region’s rural economy.

60+  
nonprofit  
organizations  
supported  
annually

Promoting health, safety, and community resilience remained a priority. We contributed to the Osage Police Department to enhance child safety and risk prevention education. We also supported the Farm Safety Day Camp in partnership with Iowa State University Extension and Outreach, equipping youth with the knowledge to identify and mitigate risks in agricultural and home environments.

Our employees actively contributed to environmental sustainability and community engagement through volunteer efforts, including Adopt-A-Highway clean-up activities and participation in an Electronics Recycling Event, helping reduce environmental impact and promote responsible waste management practices. Additionally, employee-led outreach supported experiential environmental education opportunities for local students.

We also invested in community vitality by supporting local arts and cultural initiatives such as Cedar Summerstock Theatre, contributing to youth development, and enhancing the quality of life in Mitchell County.

Through these targeted investments and employee engagement efforts, we continue to create shared value by supporting resilient communities, developing future talent, and advancing sustainable practices.



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 the 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.





# Diversity & Inclusion

## Employee Resource Groups

To create a more inclusive workplace and provide a platform for employees to connect and support each other, we have so far established 11 voluntary employee resource groups (ERGs) across Sumitomo Biorational and the Valent group of companies. 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



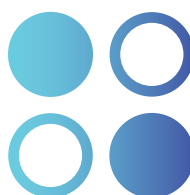
**SERV**  
Service Men and Women of Valent



**VOICE**  
Parents and Caregivers



**VOT**  
VGC on Track



**WOVGC**  
Women of Valent Group Companies



**WOVDM**  
Women of Valent de México

## Representation

Based on 2025 data reported to the U.S. Equal Employment Opportunity Commission

**40%**  
Women – all employees

**24%**  
Women – executive- and senior-level leaders

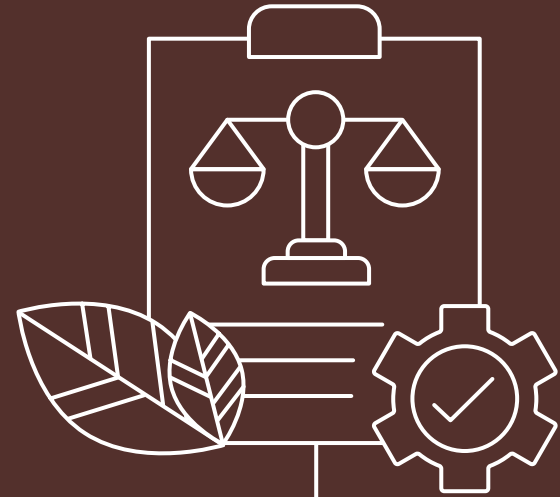
**40%**  
Women – first- and mid-level managers

**23%**  
Non-white all employees

**24%**  
Non-white first- and mid-level managers







# Governance

## 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 level, ensuring clear accountability and decision-making across the organization.







# Stakeholder Engagement

We actively engage 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.

# 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.





The background of the entire page is a close-up photograph of vibrant green leaves, likely from a plant like a peace lily. The leaves are long and pointed, with prominent veins. The lighting is bright and natural, creating a soft, out-of-focus effect in the background while the foreground leaves are sharper.

## 2025 Global Reporting Initiative (GRI)

In 2025, we continued on our important journey to align with GRI standards in our sustainability reporting metrics. Please use [sumitomobiorational.com/gri-index](https://sumitomobiorational.com/gri-index) or scan the QR code to access our 2025 GRI Content Index.









[sumitombiorational.com](https://sumitombiorational.com)

1910 Innovation Way, Suite 100  
Libertyville, IL 60048

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