

Our 2024 Impact

Accelerating value to the farm



A business built on

innovation

Farmers are being asked to produce food and fuel for nearly two billion more people over the next quarter century while fighting the impacts of a changing climate, including increasing pest and disease pressures and more extreme weather.

But there is an answer: technology.

We are proud to be in the business of putting technology into the hands of farmers around the world. That is why we have embedded sustainability in our business, innovation, and value creation strategy. Indeed, we are honored to help them deliver the most basic of human needs: food, energy, and clothing.



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→ [Read Our 2024 Impact report online](#)



Introduction

2024: another year of progress

Innovation and impact are central pillars of every strategic choice we make at Corteva. In 2024, we once again made significant advancements in our work to make agriculture more sustainable through technology.

In this section:

- [2024 sustainability performance highlights](#)
- [A message from our leadership](#)
- [Our business](#)
- [Executive summary: strategic initiatives and progress](#)

2024 highlights

Our sustainability performance

At Corteva, our technologies help farmers around the world increase productivity and profitability in the face of rising challenges, all while safeguarding the land.

100%

of newly-developed Corteva solutions in our pipeline meet our sustainability criteria

↓21%

reduction in Scope 1 and 2 intensity emissions (2024 vs 2020 MT CO₂e/\$ net sales)

8M

acres supported with biodiversity outcomes (2021-2024)

↓8%

reduction in Scope 1 and 2 absolute emissions (2024 vs 2020 CO₂e)

22%

of net Crop Protection revenue from new, sustainably-advantaged products¹

1. Excludes Corteva Biologicals.

A message from our leadership

Accelerating innovation to meet farmer needs

Chuck Magro and Brook Cunningham



Our company turned five this past year, and in those five years, we are proud to say that we delivered meaningful impact to farmers and with farmers, as well as to the world around us. From drought-resistant corn to rice that slashes water usage, we work – every day and every shift – to transform agriculture and feed (and fuel) the world's growing population.

Like the farmers we serve, the concept of [sustainability](#) lies at the core of our strategy, business, and vision for the future. That's one reason we invest nearly \$4 million every day in [sustainable innovation](#) – to develop critically-needed technology to help farmers solve some of their toughest challenges, from rising pest and disease pressures to extreme weather.

For example, thanks to agricultural technologies – including those developed by our company – current corn hybrids in the US not only produce nearly seven times more yield overall (as compared to those from almost a century ago), but also three times more under drought stress and three times more per inch of water¹. This means that farmers can lower their impact on the environment and grow more corn – proof that sustainability and performance gains do not have to be mutually exclusive.

And, as we say at Corteva, we're just getting started. In 2024, we also:

- Announced a proprietary [hybrid wheat system](#) that could increase yield potential by 10%² while using the same amount of land and resources, providing significant promise for both farmers and global food security; be more resistant to drought—research trials show our hybrid wheat can yield roughly 20% higher² than elite varieties in water-stressed environments; and accelerate the speed to market of new elite germplasm.
- Expanded market availability of Utrisha™ N, a nature-based, biological solution that uses a nitrogen-fixing bacterium to provide supplemental nitrogen to crops, helping to improve plant health and yield potential.
- Identified opportunities to expand our leadership in biofuels to serve a growing sustainable aviation fuel market, including in Europe, through our [announcement with bp](#).
- Launched [Corteva Catalyst™](#) to accelerate innovation in our industry by partnering with small businesses and entrepreneurs to develop next-generation technologies.

1. Graham, Geoff. Building Global Breeding Solutions to Drive Local Crop Performance. February 2020.

2. Internal yield trial testing; 2 years of testing with 6-10 locations/year in each of the market classes. Hard Red Winter testing in NE, KS, CO, OK.

A message from our leadership continued

- Launched a program in India – [2MillionWomen](#) – to support women across rural India grow more food and run more profitable farms.

We also hit other important milestones in 2024:

- Won the prestigious [Campbell Safety Award](#) from the National Safety Council, highlighting our success in creating and maintaining a safe and healthy workplace
- Continued to meet our stringent sustainability criteria in 100% of newly-developed solutions in our pipeline
- Supported [biodiversity](#) outcomes on eight million acres
- Delivered a 21% reduction in Scope 1 and 2 emissions intensity

We are pleased with the progress and impact we achieved in 2024 – but our work is far from over. Farmers still have some of the hardest jobs on Earth, and as the challenges they face intensify, so too does our partnership with them.

From Iowa to Brazil and France to India, it is a privilege to work alongside them and help solve some of the world's toughest challenges. We look forward to a new year with optimism, energy, and a determination to continue to deliver solutions that help move agriculture forward.

Thank you for your support and interest in our company – we hope you enjoy this report.

"From Iowa to Brazil and France to India, it is a privilege to work alongside farmers and help solve some of the world's toughest challenges."



Chuck Magro
Chief Executive Officer



Brook Cunningham
Senior Vice President, Chief Strategy Officer

Solutions overview

We offer a comprehensive, complementary portfolio of seed and crop protection solutions, including biological and naturally-derived technologies, that are among the most trusted in agriculture.

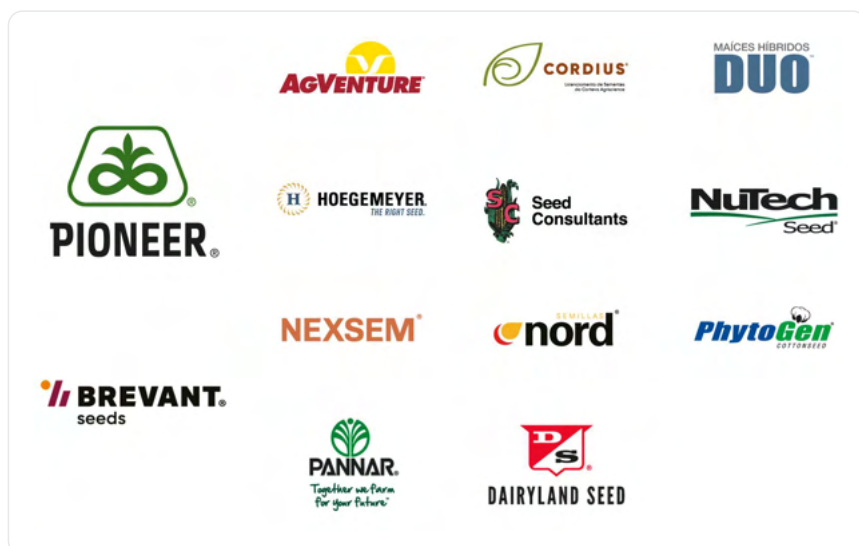


Seed brands and solutions

Providing farmers with innovative, high-performing seeds

Global core crops: corn and soybeans

Selected regionally important crops: canola, cotton, sorghum, and sunflower



Crop protection, biological, and naturally-derived solutions and brands

Solutions that protect crops from threats like diseases, weeds, and insects

Fungicides, herbicides, insecticides, nematicides, and seed treatments

Biologicals and naturally-derived solutions: biostimulants, biocontrol, nutrient use efficiency, and spinosyn products that improve plant health

Global core crops: corn, soybeans, cereals, rice, fruits, and vegetables

Examples include:



Inatreq™ active

Rinskor™ active

Reklemel™ active

Jemvelva™ active

Qalcova™ active

Stimulate™

Sosdia™ Stress

Utrisha™ N

Leading in innovation



Gene editing

We are leading the way in gene editing, a groundbreaking innovation that will transform sustainable food production. These advanced breeding techniques use the plant's own DNA to create seeds that can enhance and protect yield potential while withstanding harsh environmental conditions.

Our expertise spans multiple gene editing platforms, and with the help of artificial intelligence, we can pinpoint where and how to make precise edits that greatly improve yield potential and plant resilience.

Gene editing also significantly accelerates the breeding process, which will allow us to develop improved seed products much faster than traditional methods. This is crucial for quickly addressing new agricultural challenges and ensuring food security.

In 2024, we boosted our investment in gene editing by collaborating with large and small industry players around the world, licensing our technology to increase access, and educating stakeholders about its promise and value. We believe these efforts will be transformative for rapidly advancing the future of agriculture and producing more food and fuel for generations to come.

Learn more:

- [A legacy of seed expertise](#)
- [Partnership with Pairwise](#)
- [Genlytix™ gene editing ecosystem](#)

Leading in innovation continued

Biologicals

Farmers are looking for new, naturally-derived solutions to control pests, optimize nutrients, and manage environmental stresses in ways that also meet consumer and societal demands for more sustainably-produced food.

Biologicals and naturally-derived solutions draw from materials that already exist in nature to boost plant performance and protection from pests. Some are actual living organisms, like beneficial bacteria. Others, like enzymes, are derived from materials found in nature.

They serve as a powerful and flexible option for farmers, complementing conventional crop protection solutions as part of their overall farming operation.

As one of the world's largest biological and naturally-derived solutions companies, we are proud to be at the forefront of a growing trend. Currently, around 35% of farmers worldwide incorporate biologicals into their practices, and this number is expected to rise; the market is anticipated to expand to \$26 billion by 2035.



Learn more:

- [Boosting plant health](#)
- [Crop protection innovation](#)
- [Innovation glossary](#)

Leading in innovation continued

Learn more:

- [Winter Canola Program](#)
- [Intention to partner with bp](#)
- ➔ [Pipeline innovations](#)

Biofuels

We are deploying our technology to develop lower-carbon feedstocks to help meet the global demand for next-generation biofuel, which is expected to increase eight-fold by 2050.

And, we are creating ways for farmers to fully engage in and capitalize on this opportunity through collaborations with industry-leading value chain companies.

For example, in 2024, we expanded our Winter Canola (a biofuel feedstock) Program, a US collaboration with Chevron and Bunge. It offers a new revenue opportunity for farmers to diversify their current winter crop rotation, or for those who don't have a double-cropping system already in place.

Additionally, we announced a memorandum of understanding for a planned joint venture with bp in the Americas and Europe to supply biofuel feedstocks for sustainable aviation fuel that meets the European Union's regulatory requirements.

Not only do both of these collaborations help fulfill demand and create value for farmers, but they also help mitigate the potential impact of biofuel feedstock expansion on cropland currently used to grow food and feed for livestock.



Our value chain

We combine industry-leading seed and crop protection (including biological and naturally-derived) technologies with superior customer focus and operational excellence. By doing this, we deliver solutions for some of the world's most pressing agriculture challenges.



Upstream operations

We source thousands of essential raw materials to produce seed, crop protection, biological, naturally-derived, and seed treatment technologies.

~12,000

contracts with companies
with which we share sustainability aspirations

1,200+

preferred suppliers
with which we advance our goals

~22k
employees



120+
R&D sites

~100
production and manufacturing sites

Direct operations

We develop seed solutions with increased yield potential and adaptability through our strategic global breeding programs and crop protection solutions, including biological and naturally-derived technologies, to deliver integrated solutions to farmers.



Downstream operations

We deliver our technologies to distributors, retailers, and directly to farmers. Our solutions are used alongside our commercial teams' data-driven agronomic insights and recommendations to maximize customer productivity and minimize environmental impact.

Sales in
110
countries

\$16.9B 2024 net sales
\$3.4B 2024 operating EBITDA¹

1. Operating EBITDA is a non-GAAP measure. See the Appendix ("Regulation G (Non-GAAP Financial Measures)") of this document for further discussion.

Value-centric business approach to sustainability

Through technology, we contribute to global food and fuel security, while helping to support economic success for farmers, protect natural resources, champion rural communities, and deliver value to our stakeholders.



Here's how we do it:

Our sustainability strategy is embedded in our business and value-creation strategy, including our R&D pipeline, and is centered on creating short and long-term value for stakeholders. Our technologies help farmers to continuously increase the productivity of every acre, while minimizing natural resource usage and driving sustainable economic health in farming communities.

Our focus areas related to sustainability reflect where we can create the most impact and value. We carefully set baselines, track progress, and continuously refine our approach. In addition, we regularly evaluate our strategy to ensure it is effective and addresses issues that are important to our business, customers, and other stakeholders.

Delivering innovation is the cornerstone of our work

That is why we invest heavily in R&D to develop advanced solutions that address some of today's most pressing challenges of food security and environmental sustainability.

\$~4M

invested in R&D per day

120+

R&D sites

2,000+

product testing locations



Our sustainability strategy is intertwined with our business strategy. It is designed to address global food security, climate resilience, and the energy transition, while driving greater value for farmers and other stakeholders.

[➤ Watch the video](#)

Value-centric business approach to sustainability continued

Farmers are producing more with less – thanks to innovation.

With industry-wide new technology and innovation, farmers worldwide have boosted their harvests by an average of 30% over the past 20 years, using fewer resources per unit and less environmental impact. We are proud to be part of this incredible achievement. However, there's more work to do.

How innovation helps feed and fuel a growing population more sustainably:

**Without crop
technology, farmers needed**



to grow 200 bushels of corn (US 1926)

**With advancements,
we now need only**



to grow 200 bushels of corn (US 2023)

The journey to achieve this



1950–1980

Introduction of synthetic pesticides
and other agriculture technologies



1990s–2000s

Introduction of genetically-modified
crops and biotech traits



2020s and beyond

Acceleration of gene editing and
biological products

Our people

Safety



Safety is paramount at Corteva, from our operational processes to product development.

We aim for every employee to return home safely and to protect the communities we serve. We prioritize comprehensive environment, health, safety, and security (EHS&S) measures to drive continuous safety improvements across all our divisions.

Robert W. Campbell Award
an nsc award

In 2024, we were honored with the prestigious Campbell Safety Award from the National Safety Council, recognizing our outstanding commitment to workplace safety and health. The esteemed award is one of the top accolades an organization can achieve and recognizes companies that have attained business excellence through the integration of environment, health, and safety management as a key business function.

Our safety efforts include:

Comprehensive safety training

- Regular and mandatory safety training sessions for all employees and contractors
- Specialized training programs tailored to different roles and risk levels within the organization

Advanced risk management

- Cutting-edge safety technologies, such as real-time monitoring systems and predictive analytics, to identify and mitigate potential hazards
- Thorough risk assessments and safety audits across all operations

Proactive incident reporting

- Robust incident reporting system that encourages employees to report near-misses and safety concerns without fear of reprisal
- Detailed analysis of reported incidents to identify root causes and implement corrective actions

Employee engagement and safety culture

- Initiatives to foster a strong safety culture, including safety leadership programs and recognition of safety champions within the organization
- Regular safety meetings and open forums for employees to discuss safety issues and share best practices

Health and wellness programs

- Chief Health Officer role added in 2024
- Comprehensive health and wellness programs that support the physical and mental well being of employees
- Access to health resources, fitness programs, and mental health support services

Community and stakeholder involvement

- Active engagement with local communities and stakeholders to promote safety awareness and preparedness
- Collaboration with local emergency response teams and participation in community safety initiatives

Continuous improvement

- Regular review and updating of safety policies and procedures
- Ongoing safety R&D investment to stay ahead of emerging risks and industry standards

[➔ Learn more](#)

Our people continued

Health, nutrition, and safe food production

In 2024, we welcomed Dr. Claudia Coplein to Corteva in the newly-created role of Chief Health Officer.

Dr. Coplein ensures that health, nutrition, and safe food production are at the forefront of our efforts, driving our commitment to a healthier world.

Q: Why is providing adequate nutrition to the global population so important?

A: Access to nutritious food is crucial for overall health and well-being. In 2023, approximately 9% of the global population was chronically undernourished, leading to serious health issues, especially for children. This is unacceptable. Corteva can help address this significant challenge.

Q: What role does agriculture play in improving nutrition?

A: The interconnection of agriculture, nutrition, and human health is fundamental. It all starts with farmers planting seeds that grow into nutritious crops.

Advances in agricultural technology, such as gene editing, increase the productivity of crops that meet dietary needs. For example, new seed hybrids and varieties that can produce more nutritious crops could unlock the solution to combating malnutrition.

Q: How are these advancements making a difference?

A: One example is our work to develop a new millet seed variety. Our scientists are working to use gene editing to eliminate the cause of rapid rancidity in pearl millet, making the resulting milled flour even more nutritious with an up to six-month shelf life. This advancement helps support an ongoing campaign by the Indian government encouraging consumers to eat more of this grain, which can be part of a nutritious diet and requires less water for production.

Q: How does product safety fit into the picture?

A: Helping farmers grow more food that is safe and healthy is critical to food security and affordability.

For example, today's advanced crop protection solutions have to meet stringent government standards – and undergo more than a decade of testing and review by multiple agencies – to prove that they are safe for human and animal health as well as the environment when used as intended. They have to pass rigorous approval processes that can demand over 150 safety studies and on average take more than 12 years. Even after regulatory approval, safety monitoring and registration reviews continue.



Dr. Claudia Coplein
Chief Health Officer

Our people continued

Inclusion and belonging

As a global technology company, we view a culture of inclusion and belonging to attract and retain talent as a key to our success.

To stay competitive and lead the industry, we know it is crucial to have a workforce that reflects the farmers we serve and the markets where we operate, and is equipped with the skills to develop new technology.

We aim to create an environment where colleagues seek out different perspectives and ideas, and challenge the status quo, to deliver for our customers and consumers around the world. This approach also fuels the curiosity, creativity, and innovation we need for long-term success.

One of the ways we do this is through our Business Resource Groups (BRGs). These are organized networks of colleagues who volunteer their time and talents to bring others together, celebrate different cultures and backgrounds, and serve our company and our communities. Participation is voluntary and open to everyone.

Our nine global BRGs are strong partners to leaders across our organization and are actively engaged in various talent sourcing, recruiting, mentoring, retention, and career development initiatives.

24%

of employees were engaged in a BRG in 2024

37%

of Corteva people leaders belonged to at least one BRG in 2024

2024 employee survey highlights

86%

of employees participated

83%

of participants said they are proud to work at Corteva

84%

of participants indicated they were highly engaged

We increased our overall engagement score from 2023 and again scored above Perceptyx®'s benchmark. Employees reported having positive relationships with direct leaders and acknowledged Corteva's strong commitment to safety and ethics.

Well being was our most improved category, increasing more than a full percentage point, and comments indicate employees appreciate their colleagues and their work environment.



Empowering future leaders through the University Ambassadors program

In 2024, the Women's Inclusion Network (WIN) BRG and Corteva's Talent Acquisition team launched the University Ambassadors program in the Europe/Africa/Middle East region. WIN members inspired students, promoted our core values and internship programs, and created a mentoring program, leading to internship opportunities.

Our sustainability-related strategic focus areas



Sustainable innovation

We are upholding our commitment that 100% of newly-developed Corteva solutions in our pipeline meet our sustainability criteria.

We create innovative seed and crop protection (including biological and naturally-derived) technologies, along with digital insights that help farmers to increase productivity and profitability, with the aim of strengthening the sustainability of their operations. This is the foundation of our business and stakeholder proposition.

Progress (%)



100%
in 2024

✓ Achieved

We continue to maintain 100% sustainable solutions in our pipeline through 2025.

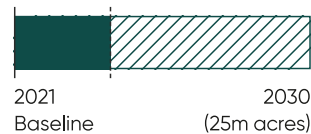


Biodiversity

We are committed to helping support biodiversity on 25 million acres in biomes where we work and sell our products by 2030.

We use a combined approach focused on products and productivity impacts using our technologies, partnerships with organizations that share our vision, and improvements to our own operations.

Progress (acres)



8.0M
acres

✓ On track

towards 25M acres by 2030

■ Acres supported ▨ Acres remaining



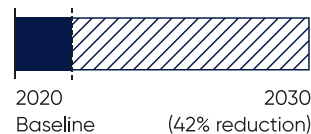
Climate

We are committed to a 65% intensity reduction target (42% absolute reduction target) for Scope 1 and 2 emissions by 2030.

The reduction in Scope 1 and 2 emissions will be achieved through energy reduction initiatives, efficiency gains, and strategic renewable energy procurement opportunities.

Progress (%)

Absolute reduction



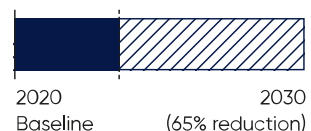
8%
since 2020

✓ On track

34% reduction remaining towards the absolute goal. 334,000 MT CO₂e absolute emissions remaining from total targeted reduction of 418,000 MT CO₂e.

■ Emissions reduced ▨ Emissions remaining

Intensity reduction



21%
since 2020

✓ On track

44% reduction remaining towards the intensity goal

■ Emissions reduced ▨ Emissions remaining

Awards and recognition

We've been recognized for our contributions to our industry and to our planet.



Robert W. Campbell Award

National Safety Council



Six Green Chemistry Challenge Awards

U.S. Environmental Protection Agency



S&P 500 Trendsetter

in political disclosure and accountability

Center for Political Accountability



Icon Award

Top ten supply chain and procurement team

OnConferences



Sustainable Agriculture Awards

Federation of Indian Chambers of Commerce and Industry

Additionally, we were a finalist for awards in the categories of sustainability, operational, and engineering excellence from the Manufacturing Leadership Council.



Sustainable innovation

Helping farmers harness the power of technology

From drought-resistant seeds to crop protection solutions that work with nature and help sustain it, we are driving the next generation of innovation in agriculture.

In this section:

- [Sustainable innovation at a glance](#)
- [Innovations in our pipeline](#)
- [Our capabilities](#)

Sustainable innovation at a glance

Thanks to our world-class R&D program, we continue to uphold our sustainable innovation goal, ensuring that 100% of newly-developed Corteva solutions in our pipeline meet our sustainability criteria.

We continue to apply this standard as solutions advance through our R&D pipeline.

Progress toward our goal

Sustainable crop protection and seed innovations in our pipeline (%). (Baseline: 2019)

Progress



Outlook

✓ Achieved

and continue to maintain **100% sustainable solutions** in our pipeline through 2025.

Our teams continually refine these criteria for practical use in design and discovery. In 2024, we enhanced our sustainability criteria to be more specific and tailored to each product portfolio, including biologicals and naturally-derived technologies and native and gene-edited traits.



[Learn more /](#)
Sustainable
innovation

Our technology pipeline fosters more sustainable farming, creating value for our customers and stakeholders.

[➔ Watch our goal overview video](#)

Innovations in our pipeline

Sustainability criteria are embedded into every stage of new technology development.

Our 12 sustainable innovation criteria, shown in the outer circle, are aligned to specific UN Sustainable Development Goals (SDGs), shown in the inner circle, throughout our innovation process.



Focused on five UN SDGs

We are pushing the boundaries toward more sustainable agriculture through the UN SDGs that align best to our core business and value creation activities, and shared goals:



→ Learn more about sustainable innovations in our innovation glossary



Learn more about our sustainable innovation criteria

Not only must each new product help farmers solve challenges in their fields, it also must contribute to the UN SDGs and have at least one significant sustainable advantage over those in the market today. Additionally, our process ensures there is no decline in performance across any of the criteria thresholds, as compared to market standards.

➤ [Watch the video](#)

With our more sustainable technology, farmers can maximize productivity and profitability while helping to minimize their environmental impact.

Winter canola: partnering for a renewable future

In 2024, we successfully expanded our US Winter Canola Program with Bunge and Chevron to grow more feedstocks for the renewable fuels market.

✓ Value for farmers

Through this collaboration, farmers in the Mid-South US plant our proprietary winter canola hybrids (that produce plant-based oil) in a double crop rotation with soybeans. The program helps farmers increase earnings, preserve soil health, and support a more sustainable future.

✓ Value for nature

Adding winter canola to a rotation provides a cover crop which can enhance soil health by holding more nutrients, water, and carbon in the soil.

Enhancing disease resistance through gene editing

Our R&D pipeline includes an early-stage seed solution that packages multiple disease-resistant native traits into a single location in the genome, aiming to protect against the leading corn diseases in North America, which cost farmers over \$1.2 billion in annual losses¹.

✓ Value for farmers

This concept is intended to simplify disease management and potentially reduce the need for additional crop protection product applications.

✓ Value for nature

This approach helps preserve soil health, minimize production stress, and reduce environmental impact by enhancing disease resistance in crops.

Elevating nutrition in everyday foods

In 2024, we announced Trusource™ wheat, a high-fiber durum designed to enhance the nutritional profile of everyday foods. It aims to meet consumer preferences and demonstrate how agricultural innovation can help address nutritional gaps in modern diets.

✓ Value for farmers

This innovation helps farmers meet the growing demand for healthier foods, potentially increasing their profitability and sustainability.

✓ Value for consumers

It delivers great taste and texture, as well as improved nutrition, and is easily integrated into a variety of foods like pasta and baked goods.

Boosting plant health with biologicals

Utrisha™ N is an innovative biostimulant that improves nutrient use efficiency and provides supplemental nitrogen directly to plants; helping farmers protect their crops and increase their yield potential.

✓ Value for farmers

It is the first biostimulant verified through the United States Department of Agriculture's Process Verified Program, which assures farmers of product quality. It is also certified by the Organic Materials Review Institute for use with organic crops.

✓ Value for nature

Utrisha N supports nature and biodiversity by improving nitrogen use efficiency, reducing the impact of excess nitrogen on the environment, and promoting healthier ecosystems.

1. Grey Leaf Spot, Anthracnose leaf blight & stalk rot, Southern Rust, Northern Leaf Blight | Source: CPN Report for US & CA market, years 2017–2023.

A legacy of seed expertise



The strength of our best-in-class seed breeding program creates more sustainable solutions and value for our customers.

Plant breeding: a tradition of excellence

Through our legacy Pioneer® seed brand, we have been a global leader in seed innovation for nearly 100 years. In every crop we've worked in, in every environment around the world, our plant breeding selection process has increased the average yield per acre.

This advantage has been confirmed in our customers' fields. We are the only company with a germplasm pool that has produced corn yields of more than 600 bushels per acre.

In fact, Pioneer seed holds the world record for corn and soybeans. David Hula of Charles City, Virginia, achieved a [record corn yield](#) of 623.84 bushels per acre using Pioneer P14830VYHR in 2023. And, last year, Alex Harrell of Leesburg, Georgia, set a new [soybean yield record](#) of 218.2856 bushels per acre with Pioneer brand Z-Series variety P49Z02E.

Plant breeding gains

Thanks to plant breeding, current corn hybrids in the US – compared with those from the 1940s – produce more overall yield, and also provide:

3x

more yield under drought stress

3x

more yield per inch of water

2.5x

more yield under nitrogen stress

When seed produces more yield per acre, less arable land is needed to meet the food, feed, fuel, and fiber needs of a growing population.

A legacy of seed expertise continued



We are advancing gene editing: a transformation in crop improvement.

Gene editing is a revolutionary technology that enables precise modifications to the DNA of plants. Unlike genetically-modified organisms (GMOs), which involve inserting foreign DNA from different species, gene editing works by altering the plant's own genetic material. Both solutions similarly and safely produce technologies that offer enhanced disease resistance and productivity gains.

How gene editing works

Using tools like CRISPR-Cas9, Corteva's scientists can make targeted changes to a plant's DNA. These can enhance traits such as disease resistance, drought tolerance, and nutritional value by adding, removing, or modifying specific genes.

Advantages over traditional breeding

Although traditional breeding methods have dramatically improved yield potential over time, they can require many generations to achieve the desired traits. By using the species' own genetic material, gene editing accelerates the pace of genetic evolution by directly introducing beneficial modifications into high-performing seeds, saving time and resources while avoiding the need to breed many more generations to achieve the targeted traits.

Why gene editing is not GMO

The main difference between gene editing and GMOs is the source of the genetic material. GMOs involve adding genes from other species. Gene editing, in contrast, makes changes within the plant's own genome.

Leading the way in gene editing

We are a leader in applying and enabling scientists around the world to access our gene editing technologies to develop crops that address the challenges of food and fuel security and sustainability. By improving crop performance and resilience, gene editing helps farmers produce more with fewer resources, supporting a stable food supply while reducing environmental impact. For example, we have developed an early-stage corn concept that packages multiple disease-resistant native traits into a single location in the genome.

We continue to advocate for – and educate our stakeholders on – the local and global regulatory policies needed that will enable scientists to unlock the potential of gene editing for farmers around the world.

A legacy of seed expertise continued

Investment and joint venture with Pairwise

In September 2024, we announced a \$25 million investment plus a joint venture with Pairwise to help us deliver advanced gene editing solutions to farmers. This was the first partnership through our Corteva Catalyst™ external innovation investment platform to advance emerging gene editing, biological, peptide, and other novel technologies.

➤ [Learn more about Corteva Catalyst™](#)

➤ [Learn more about our partnership with Pairwise](#)

Genlytix™ gene editing ecosystem

We introduced our industry-leading Genlytix gene editing ecosystem in 2024. With 350+ gene editing patents granted and 140,000+ edited plants, our capabilities across four gene editing platforms are unmatched in our industry. We are also partnering with roughly two dozen universities, food companies, and startups to expand the use of gene editing, while advancing transparency initiatives to expand consumer understanding of this critical technology.

➤ [Learn more](#)



Updated April 2025

In-house leading gene editing technology

- **4** gene editing platforms
- **10** crops edited
- **1,400+ unique** gene targets
- Editing in 100% **elite corn** germplasm

Partnerships that enable accelerated discovery

- Ecosystem of partnerships across **12 universities, 4 food companies, and 8 startups**
- **38** CRISPR-Cas9 out-licensing agreements

Solutions that drive productivity

- **350+** gene editing patents with **300+ edits** sent to the field
- **140k+** edited plants
- **70+ multiplexed** edits in a single plant

Global regulatory and stewardship efforts

- **7 philanthropic projects** across multiple countries
- **2** value chain **transparency** programs

A legacy of seed expertise continued

Gene editing can help advance sustainability in multiple ways:



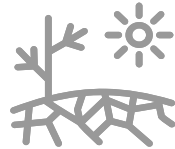
Better nutrition



Slower to spoil;
reduces food waste



Insect protection



Drought tolerance



Higher yields



Increased oils
and fats

Our collaborations leverage gene editing to advance our shared goals.

Through our collaborations with the Consultative Group on International Agricultural Research (CGIAR), the Bill and Melinda Gates Foundation, and others, we are using gene editing to bring sustainable innovations to smallholder farmers to target critical crops which provide vital nutrition to the most food-insecure regions of the world.

We are co-developing new products to increase farmer access to science-based tools and technology, including:



Corn resistant to lethal necrosis

Seed bred to withstand lethal necrosis, a combination of viruses that attack the corn plant, leading to symptoms like leaf discoloration, stunted growth, and ultimately plant death.



Sorghum resistant to the Striga parasite

A solution for farmers in sub-Saharan Africa to fight Striga, also known as witchweed, which attaches to the roots of cereal crops like sorghum and siphons off water and nutrients – stunting growth and reducing yields.



Pearl millet with a longer shelf life

A specially-bred variety of pearl millet designed to stay fresh for an extended period after harvest to help reduce post-harvest losses, helping the grain stay nutritious and usable for longer. It is particularly beneficial in regions where pearl millet is a staple food, such as parts of Africa and India.

Leading in global crop protection innovation

Crop protection solutions are indispensable to meeting our global food demands.

Producing the high crop yields needed to feed our growing global population without significantly increasing cropland would not be possible without modern crop protection. In fact, without their use, there could be a 78% loss of fruit production¹ and a 54% loss of vegetable production.²

Carrot



Without crop protection



With crop protection

Chili pepper



Without crop protection



With crop protection

Citrus



Without crop protection



With crop protection

Grape



Without crop protection



With crop protection

Tomato

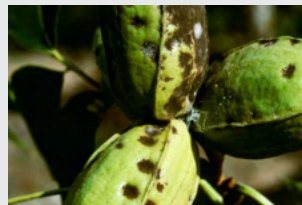


Without crop protection



With crop protection

Tree nut



Without crop protection



With crop protection

The reality is crop protection is necessary to grow affordable, abundant grains, fruits, nuts, and vegetables that meet the quality demands of consumers and the food chain. We work with farmers to help them determine a balanced and localized crop protection strategy for their fields.

1. International Journal of Environmental Research and Public Health. "Pesticide Knowledge and Safety Practices among Farm Workers in Kuwait: Results of a Survey." Published 3.24.2017. Accessed 9.25.2023.
2. International Journal of Environmental Research and Public Health. "Agriculture Development, Pesticide Application and Its Impact on the Environment." Published 1.27.2021. Accessed 11.8.2023.

Leading in global crop protection innovation continued

Crop protection technology is more sustainable than ever.

We are dedicated to adhering to regulations and enhancing the safety and sustainability of crop protection products.

According to the U.S. Department of Agriculture, today's herbicides, insecticides, and fungicides have improved quality characteristics, such as potency, persistence, toxicity, and absorption, compared with those used in the past, which has increased agricultural productivity and sustainability.

We follow the rigorous review process set by the U.S. Environmental Protection Agency (EPA), which includes registration review every 15 years. This process involves evaluating hundreds of scientific studies to ensure the safety of pesticide products, focusing on potential harm to humans, wildlife, and the environment.

Sustainability is embedded in our R&D pipeline, where we assess sustainability criteria at every stage. In 2024, we expanded this effort with tailored sustainability criteria for our Corteva Biologicals pipeline.



Biologicals: plant health heroes

Biocontrol solutions use living or naturally occurring materials to control pests. Some work by directly attacking the pest to control it. Others trigger a plant's ability to defend itself and protect against future attacks.

Biostimulants, specifically, boost yield performance by enhancing the plant's ability to efficiently use soil, nutrients, water, and sunlight. They build resilience – protecting crops from stress – and serve as a powerful and flexible option in a farmer's crop protection program.

Biostimulants

More vigorous and active leaf mass

Increased crop quality and yield

Greater development of root system



Better overall vitality



We have won six Green Chemistry Challenge Awards from the EPA; more than any other agricultural company. The award recognizes new and innovative technologies that provide solutions to significant environmental challenges and spur innovation and economic development.

Confirm™

(as Rohm and Haas)

Jemvelva™ active

(spinetoram)

Qalcova™ active

(spinosad)

Instinct® technology

Sentricon™ termite colony elimination system

Rinskor™ active

Contributing to a more resilient future

Across the agriculture value chain, stakeholders are seeking crops that not only meet global food and fuel demands but also help farmers adapt to climate change and reduce environmental impact.

AcreNext® direct seeded rice



Our direct seeded rice program combines high-yield hybrid seeds that can be planted directly into the field with efficient crop protection that doesn't require flooding the fields for weed control. This all-in-one package helps farmers reduce:

- Water usage by up to 40%
- GHG emissions by up to 45%
- Manual labor by up to 50%

Reduced-stature corn



We are developing a new seed product that reduces plant height by 30% which allows for more targeted application of fertilizers, crop protection, and biologicals, and is more tolerant to severe weather, especially wind, increasing climate resilience.

Adavelt™ active



Adavelt™ active is an innovative solution for farmers to combat fungal diseases. Derived from a natural soil fungicide, it protects over 30 crops and controls more than 20 fungal diseases. It also helps crops withstand environmental stresses – promoting healthier harvests and stable yields.

What's next for our sustainable innovation focus area?

We continue to add rigor and clarity to our sustainability criteria as products and concepts advance in our R&D pipeline. This confirms they effectively and sustainably address challenges faced by farmers, while supported by a viable business case and a clear pathway to market.



Biodiversity

Supporting environmental stewardship

We are advancing biodiversity by developing cutting-edge technologies, collaborating with like-minded partners, and adopting more sustainable land practices at our sites.

In this section:

→ [Biodiversity at a glance](#)

→ [Biodiversity focus areas](#)

Biodiversity at a glance

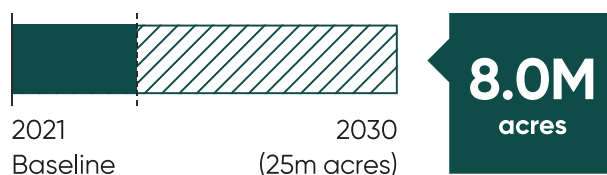
We are helping support biodiversity on 25 million acres in biomes where we work and sell our products by 2030.

We are using a combined approach of:

- Product and productivity impacts from our technologies
- Partnerships with organizations that share our vision
- Improvements to our own operations

Progress toward our goal

Progress



Acres supported



Acres remaining

Outlook

✓ On track

toward 25M acres by 2030

*Outcomes aligned to regenerative agriculture" removed from our goal statement due to the lack of clear industry definition or established measurement standard.



Learn more /
Biodiversity

We are helping contribute to environmental stewardship, while responsibly increasing yields and productivity.

[➔ Watch our goal overview video](#)

Biodiversity focus areas



How we will achieve our goal:

Demonstrated biodiversity advantages of our new technologies and systems

2.9M+
acres
(2021-2024)

Product innovation
Crop protection and biological crop health solutions

Improved genetic gain and yield protection to help prevent additional land-use needs

3.8M+
acres
(2021-2023)

Productivity
Increased productivity through genetic gain

Strategic partnerships that support biodiversity outcomes

1.3M+
acres
(2021-2024)

Partnerships

Adoption of biodiversity initiatives at Corteva facilities and production fields

13,000
acres
(2021-2024)

Operations

→ Learn more about Corteva's biodiversity methodology

Biodiversity focus areas continued

Product innovation

We offer new technologies and systems with demonstrated biodiversity advantages to farmers and ranchers, while also providing educational resources on best management practices. We also offer resources to help farmers and landowners support monarch butterflies and other beneficial species on their farms and in adjacent areas, such as [Best Management Practices for Farm-Adjacent Biodiversity](#).

Examples of products with biodiversity advantages:



Utrisha™ N is a biostimulant that improves nutrient use efficiency and provides supplemental nitrogen directly to crops for improved plant health and increased yield potential.



We're helping farmers increase the availability of soil and water resources for native vegetative and wildlife habitat by targeting invasive species on 190,000 acres of grazing lands through LandVisor® advanced brush management.

➔ [Learn more](#)

Productivity

We continue to improve genetic gain and yield protection to help prevent additional land-use needs.



Increasing genetic gain

Our seed pipeline is built on almost 100 years of Pioneer's continuous plant breeding expertise. The result is genetic gain (increased yield potential and productivity) which enables farmers to produce more food and fuel on the same land, which can help reduce the need to put more land into production.



AcreNext® revolutionizes rice farming with its direct seeded, high-yield hybrid seeds, enabling mechanized planting and efficient crop protection, such as Rinskor™ active, without flooding the field. It can reduce water use by 40%, GHG emissions by 45%, and manual labor by 50%. It's a more sustainable way to grow healthier, faster-maturing rice crops with less water and labor.



ConkESTA E3® soybeans provide farmers in Brazil with a much-needed solution to increase their harvests while addressing complex challenges such as insect resistance and tough weed control.

➔ [Learn more](#)

The transgenic soybean event in ConkESTA E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies L.L.C.

Biodiversity focus areas continued

Partnerships

We support partnerships that enhance biodiversity and collaborate with like-minded organizations to advance our shared goals.

In 2024, we added these partnerships to our program:



New partnerships with The Nature Conservancy:

- The Brazil Producer Hubs program aims to support cattle producers with assistance restoring degraded soils, increasing productivity, and reducing additional land needed for cattle.
- The Argentina Regenerative Agriculture program aims to help advance the adoption of more sustainable agricultural practices in corn and soybean rotations in the Gran Chaco region, as well as preserve native forests in the region.

The Nature Conservancy is a global organization that focuses on conserving the lands and waters on which all life depends, with significant efforts dedicated to protecting biodiversity.



Vision for Adapted Crops and Soils Champion

We have also signed on as a Vision for Adapted Crops and Soils (VACS) Champion with the U.S. Department of State. The VACS program seeks to build a resilient food system grounded in diverse, nutritious, and climate-adapted crops grown in healthy, fertile soils.

Our ongoing partnerships include:



Conservation Forage Program

We are part of a five-year project with the National Audubon Society to work with farmers, ranchers, and landowners to convert marginal cropland back to grasslands. We provide funding and technical assistance for the program.

74

landowners participating

7,825

acres restored to natural habitats



Rights of Way Habitat Program

We are working with Pheasants Forever to improve vegetation and wildlife biodiversity within energy and utility rights of way, roadsides, and other non-crop areas.

4,500

land assessments completed

3,267

acres of integrated habitat management

Biodiversity focus areas continued

Partnerships continued



Corteva Grows Pollinator Program

We have helped create more pollinator habitats with Pheasants Forever and National 4-H. Over 30,000 4-H youth have participated in the program, boosting pollinator populations (including monarch butterflies) and learning to build habitats in their own communities.

88

pollinator gardens planted globally near our sites



Grassland Restoration through Conservation Ranching Program

Finally, we achieved our goal with the Grassland Restoration through Conservation Ranching Program, our three-year partnership with the National Fish and Wildlife Foundation, Texas Parks and Wildlife Foundation, National Audubon Society, and the ranching community.

67,000

acres of grazing land restored with wildlife habitats and bolstered soil health

Operations

We continue to implement biodiversity plans at our seed operations and crop protection manufacturing facilities, and R&D sites. In fact, 90% of Corteva-owned sites have an active biodiversity initiative.

In 2024, we launched several new projects, including:

Prairie and wetland restoration

We are restoring a native prairie, constructing wetlands, and making floodplain improvements on our 1,100-acre global business center along Beaver Creek in Johnston, Iowa, US. This initiative aims to treat both urban and agricultural drainage, enhancing local water quality and supporting native habitats.

Multi-seed pellet trials

We are working with Cornell University, Kannar Earth Science, and the National Science Foundation to support continued development of multi-seed pellets, a novel planting technology which aims to increase pollinator and monarch habitats at a larger scale by combining multiple native wildflower and milkweed seeds into single pellets. These pellets can be planted using standard farming equipment, making it easier for farmers to sow milkweed and wildflowers on agricultural-adjacent land. We facilitated multi-seed pellet planting trials at our Indianapolis headquarters and our seed operations site in Plainview, Texas, US, in fall of 2024, and intend to facilitate additional trials at sites across the United States in 2025.

Pheasants Forever's wildlife habitat/food plots

We are working with Pheasants Forever to donate corn, soybean, and wheat seeds to establish food plots that support local wildlife. The program aims to enhance habitat quality and provide essential food sources for upland game birds and other wildlife by making seed available for private landowners, including Pheasants Forever chapter members and Corteva employees.

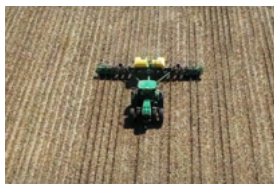
Biodiversity focus areas continued

Operations continued

Beyond our direct operations: sustainability practices by our contract growers

Farmers who contract with us to grow commercial seed continually strive to enhance sustainability by producing more with less. They combine cutting-edge technologies with conservation practices such as soil health improvement, water conservation, and biodiversity enhancement to deliver more yield and quality for every input.

Reduced tillage and cover crop adoption by our contract growers



61% of Corteva's contracted seed growers use no-till or reduced-till methods to minimize soil disturbance where feasible. These practices help preserve soil structure, reduce erosion, and improve overall soil health.



38% of growers plant an off-season cover crop, such as canola, where feasible. This helps further prevent erosion and lock in soil carbon.



Once mature, canola can provide a habitat and food source for honeybees and other pollinators.

A range of conservation practices such as reduced tillage and cover crops are used on the majority of Corteva's total seed production acres across the globe.¹

1. Contracted grower survey data is self-reported and validated by local agronomists. Respondents represented approximately 68% of Corteva's global seed production acres in 2024.



Learn more / Biodiversity

As we continue to focus on more sustainable farming to improve food security, we are hard at work to protect nature and conserve our land for future generations, including at Corteva facilities and production fields.

[Watch the video](#)

What's next for our biodiversity focus area?

We will continue to maintain and implement biodiversity plans for Corteva-operated sites globally, based on our 2023 and 2024 assessments. These plans include creating pollinator and wildlife habitats, supporting soil health, planting trees, and preserving wetlands. We will also monitor and advance our ongoing conservation partnerships to confirm effective outcomes, as well as focus on developing products that support biodiversity and increase yield per acre.



Climate

Increasing resilience for today and tomorrow

The demand for innovative agricultural solutions continues to grow as farmers confront new climate-related challenges every year. We are developing solutions that address the needs now and for generations to come.

In this section

→ [Climate at a glance](#)

→ [Greenhouse gas emissions through our value chain](#)

Climate at a glance

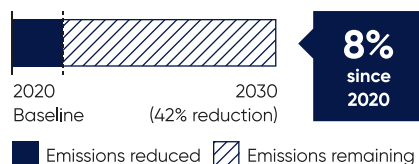
We are committed to a 65% intensity reduction target (42% absolute reduction target) for Scope 1 and 2 emissions by 2030.

At the same time, we continue to create innovative solutions for farmers that reduce their emissions and increase their farm's climate resilience.

Progress toward our goal

Scope 1 and 2 absolute reduction¹ in GHG emissions

Progress



Outlook

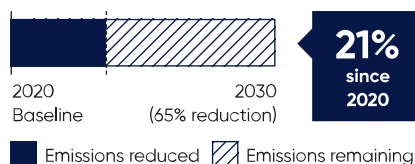
✓ On track

34% reduction remaining toward the absolute goal. 334,000 MT CO₂e absolute emissions remaining from total targeted reduction of 418,000 MT CO₂e

1. Absolute reduction: The measure of the total reduction in greenhouse gas emissions, expressed as an overall decrease from a specified baseline year (2020).

Scope 1 and 2 intensity reduction² in GHG emissions

Progress

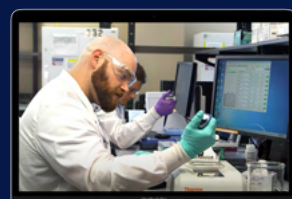


Outlook

✓ On track

44% reduction remaining towards the intensity goal

2. Intensity reduction: An index of greenhouse gas emission efficiency, reflecting a decrease in emissions per unit of Revenue, thereby indicating improvements in emissions performance relative to economic output.



[Learn more](#) / Climate

We are reducing emissions in our operations and developing solutions to help farmers do the same.

[Watch our goal overview video](#)

Greenhouse gas emissions through our value chain

Scope 1 and 2

Operational emissions

Total emissions

912,000

Tonnes CO₂e/year

Scope 3

Upstream and downstream emissions

Total emissions

5,451,000

Tonnes CO₂e/year

Contributors to Corteva's greenhouse gas emissions:

Scope 1 - Direct emissions



Process emissions



Leaks of refrigerants



Crops grown under Corteva's operational control



Purchased fuel



Automobile fleet



Aviation

Scope 2 - Indirect emissions



Purchased electricity, heat and steam

Scope 3 - Indirect emissions



- Purchased goods and services
 - Parent & commercial seed acres not under Corteva's operational control
- Capital goods
- Fuel- and energy-related emissions not in Scope 1 and 2
- Upstream and downstream transportation and distribution
- Waste generated in operations
- Business travel
- Employee commuting

→ Learn more about Corteva's climate methodology

GHG emissions through our value chain continued

We are recalibrating our Scope 3 strategy to meet stakeholder needs.

For our Crop Protection business, we now use an activity-based emissions reporting approach for about 20% of our commodity spend and prioritize collecting data from key suppliers, while using average data for others. Our internal analysis shows that even if 1,000 of our top suppliers cut their emissions by 20%, it would only reduce our total Scope 3 emissions by about 1%. Therefore, while we continue to improve our reporting reliability and require our suppliers to act responsibly toward the environment under our Supplier Code of Conduct, we currently do not have a plan to establish a Scope 3 target.

We remain committed to reducing our Scope 1 and 2 GHG emissions; however, our greatest impact will continue to come from developing next-generation seed and crop protection solutions.

Sustainably advantaged and differentiated seed and crop protection products can enable farmers to produce more crops with lower carbon intensity.

Products
with...

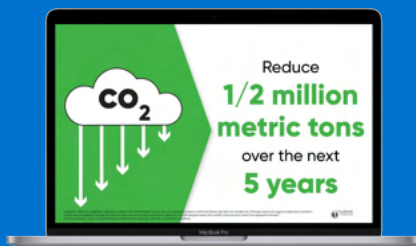
- ✓ Higher yield
- ✓ Lower product use rates
- ✓ Nitrogen stabilization
- ✓ Nitrogen fixation



More ammonium
for plants

Less CO₂ in the
value-chain

→ Learn more about our journey to demonstrate the benefits of new lower-carbon technologies and see [Measuring the Environmental Life Cycle Assessments \(LCA\) of our products](#)



Learn how innovative agricultural solutions are transforming the way we approach farming, offering powerful tools to avoid on-farm emissions.

➔ Watch the video

GHG emissions through our value chain continued

Our portfolio includes solutions that help farmers adapt to climate changes and decrease on-farm emissions.

For example, Utrisha™ N is a biostimulant that improves nutrient use efficiency and provides supplemental nitrogen directly to plants to support plant health and increase yield potential.

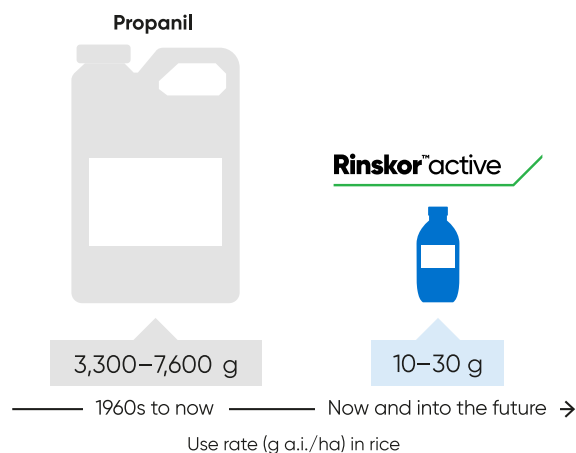
We recently completed a single-impact life cycle assessment, which compares the product carbon footprint of producing corn in Europe with and without the use of Utrisha N. The assessment showed a potential savings of >400,000 tonnes of CO₂e over four years.¹ That is equal to about 40% of Corteva's total Scope 1 and 2 GHG emissions.



More convenient weed control

Crop protection products containing Rinskor active help farmers safeguard their crops, and with its low use rate, they don't need to handle as much product as with other herbicides.

Rinskor™ active



Economic benefit

Mitigates weed resistance with a differentiated mode of action

Biodiversity benefit

Mitigates weeds, preserves desirable vegetation

Climate benefit

150x lower use rate, resulting in emissions savings of 500,000 MT CO₂e over five years

CO₂e savings potential based on a recently completed single-impact LCA comparing the use of Rinskor™ to propanil on rice in China.

1. Preliminary LCA results indicate potential for advantaged corn product carbon footprint with the use of Utrisha N from 2025–2028. These results are based on a yield meta-analysis of corn trials in Europe.

GHG emissions through our value chain continued

We intend to meet our Scope 1 and 2 target through operational efficiencies and renewable energy strategies across our sites, including:

Renewable Energy Certificates (RECs)

Purchasing high-quality RECs is an important part of our Scope 2 reduction strategy. In 2024, we purchased 60,000 MWh of RECs, which reduced our Scope 2 GHG emissions by about 40,000 tonnes.

Solar power opportunities

Additionally, we continue to identify suitable seed operation sites for potential solar panel installations, partnering with providers to supply power directly through purchase agreements. For example, in 2024, we

completed the installation of a new solar panel system at our seed operations facility in Paine, Chile. This project aims to generate ~475 MWh per year for an annual saving of \$50,000 and a reduction of about 200 tonnes CO₂e.

Also, at our Delmas, South Africa site, we are using solar power to minimize grid electricity needs and for battery back-up during power disruptions, generating over 60 MWh of solar power annually. This system is built to give 4 to 5 hours of power support to avoid generator use during loadshedding (grid-induced power outages or reduction in power supply during peak usage times to prevent the grid from overloading). The site pulls electricity from solar first, then from the grid.

Site sustainability programs

In 2024, we formally launched a sustainability program at our Midland

manufacturing site in Michigan, US, as part of our Scope 1 and 2 reduction efforts. The program focuses on reducing energy use, improving efficiency, and cutting waste.

We continue to make progress at a second Michigan site in Harbor Beach. Fundamental engineering interventions are creating energy reduction opportunities with cost and GHG savings. For example, replacing damaged steam traps will save over 57,000 MMBtus of natural gas annually, equivalent to emissions of about 3,000 tonnes CO₂e. Additionally, we will save another 9,500 MMBtus of natural gas per year (equivalent to about 500 tonnes CO₂e) by adding insulated jackets. And, by partnering with local utilities, the Harbor Beach site received financial incentives for LED lighting upgrades, steam trap replacements, and steam trap insulating jackets in 2024.

What's next for our climate focus area?

Looking ahead, we expect to implement more renewable energy programs and identify additional energy reduction opportunities. We will continue to conduct Life Cycle Assessments (LCAs) on crop protection products coming through our innovation pipeline, while supporting pragmatic, industry-wide GHG standards and accounting practices.

Governance and risk



What's in this section?

We have corporate governance arrangements in place that comply with all relevant regulations, align with our enterprise risk management program, and direct the delivery of business in line with our purpose and values.

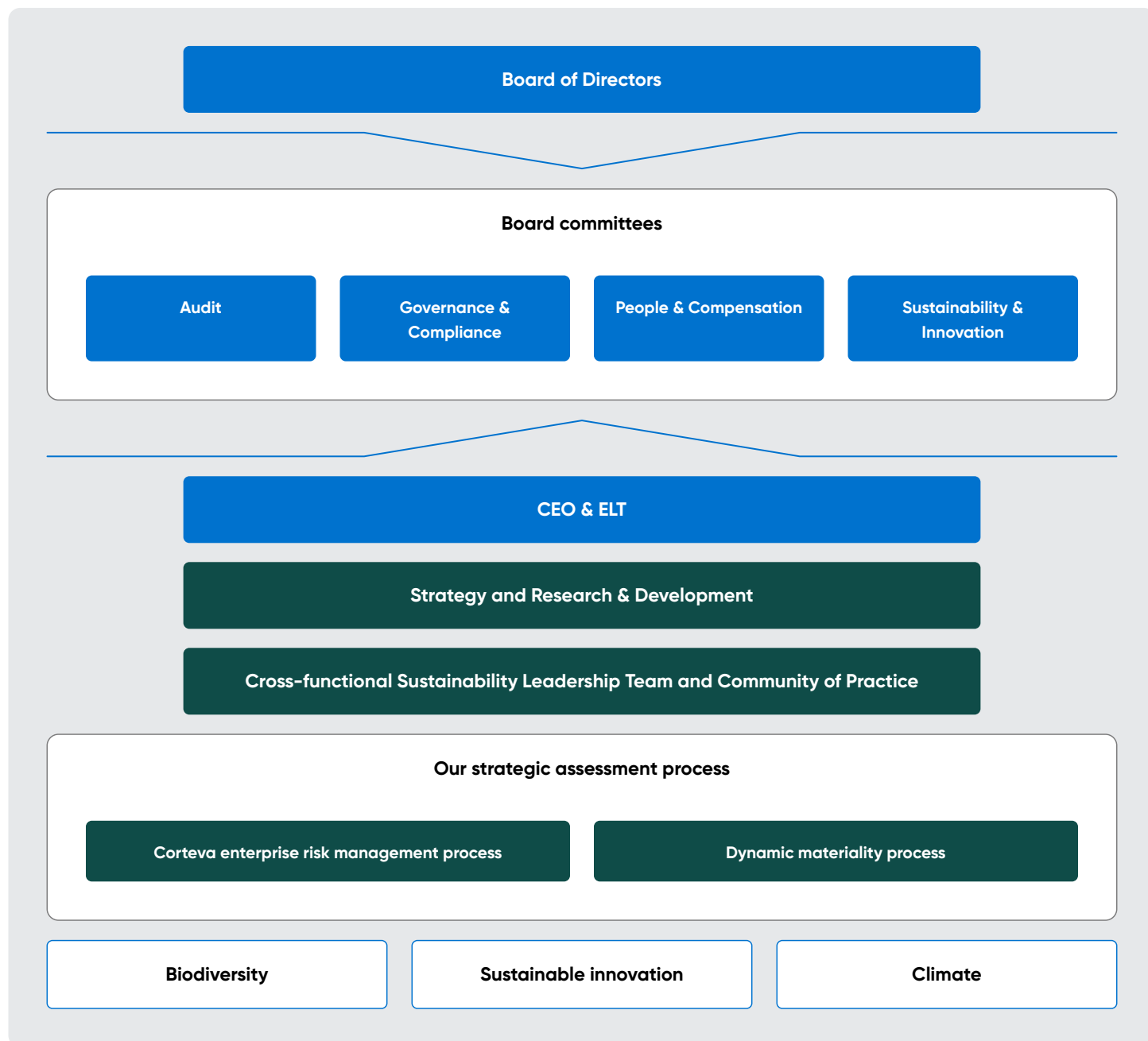
In this section:

- [Sustainability governance](#)
- [Risk assessment](#)
- [Topic-specific governance and risk oversight](#)

Sustainability governance

The Board and the Executive Leadership Team oversee sustainability as a core element of overall business and value creation. This is achieved through the integrated efforts of our Strategy and Research & Development teams, Sustainability Leadership Team, and Community of Practice, ensuring cross-functional collaboration.

Our sustainability governance structure



Board of Directors

The Board of Directors oversees risks related to business strategy execution and reputation, including risks related to sustainability matters, and to achieving sustainability and financial targets. It assigns the oversight of certain sustainability risks to specific Board committees, which provide regular report-outs and make recommendations to the Board.

Sustainability and Innovation (S&I) Committee

The S&I Committee has primary oversight responsibility for sustainability-related goals and strategy related to GHG emissions, biodiversity, and sustainable innovation. It oversees performance toward sustainability commitments and other sustainability-related matters, and provides oversight of the risks related to our innovation pipeline.

Audit Committee

The Audit Committee provides oversight of the Company's financial and cybersecurity risks and internal controls over financial reporting.

People and Compensation Committee

The People and Compensation Committee provides oversight of the Company's human capital management practices. This committee has included a sustainability modifier within our executives' short-term incentive compensation program for 2025. Each year the committee holistically evaluates our sustainability performance, including the success of our innovation pipeline and environmental performance, to determine whether a positive or negative modification to the executives' short-term incentive compensation is appropriate.

Governance and Compliance Committee

The Governance and Compliance Committee retains oversight of our ethics, compliance, and safety programs, which reinforce our values. It provides oversight for enterprise risk management by discussing our major risk and reputational exposures and the steps management has taken to monitor and control such exposures, including risk assessment and risk management policies.

➤ [Board committees and risk oversight, including committee charters](#)

➤ [Corporate governance guidelines](#)

Executive leadership

On a regular basis, and usually monthly, the Executive Leadership Team meets to discuss various sustainability matters, including environmental, social, regulatory, safety, and economic factors that could potentially impact the Company's strategic progress or performance.

The Executive Leadership Team is responsible for driving efforts to advance our sustainability programs and deliver on our goals and aspirations. For some sustainability topics, working groups are assembled to achieve Corteva's objectives.



Chuck Magro
Chief Executive Officer

Our CEO, Chuck Magro, is responsible for the establishment and execution of our business strategy, which drives the Company's sustainability priorities. Each member of the Executive Leadership Team reports to the CEO and contributes to our sustainability progress, directly or through their teams, and, as appropriate, provides sustainability-related updates to the Board or its committees and risk management policies.

The Executive Leadership Team



David Johnson
Executive Vice President, Chief Financial Officer

Oversees financial reporting and controls, including our response to sustainability reporting mandates. He also oversees information technology, including the officers responsible for cybersecurity.



Brook Cunningham
Senior Vice President, Chief Strategy Officer

Oversees strategy matters related to our sustainability objectives. In this role, she is responsible for the Company's annual sustainability report and supporting sustainability-related stakeholder engagement.



Sam Eathington
Executive Vice President, Chief Technology and Digital Officer

Oversees global R&D and Decision Science. In this role, his team is responsible for sustainable innovation and biodiversity initiatives.



Cornel Fuerer
Senior Vice President, Chief Legal and Public Affairs Officer

Oversees legal, compliance, public affairs, and communications organizations. In this role, he is responsible for governance and ethics matters.



Robert King
Executive Vice President, Crop Protection Business Unit

Oversees chemical-related manufacturing and supply chains. In this role, his team is responsible for identifying and implementing crop protection-related operational sustainability, in addition to direct, upstream, and downstream GHG emission reductions.



Audrey Grimm
Senior Vice President, Chief People Officer

Oversees sustainability matters related to human capital management and employee engagement initiatives.



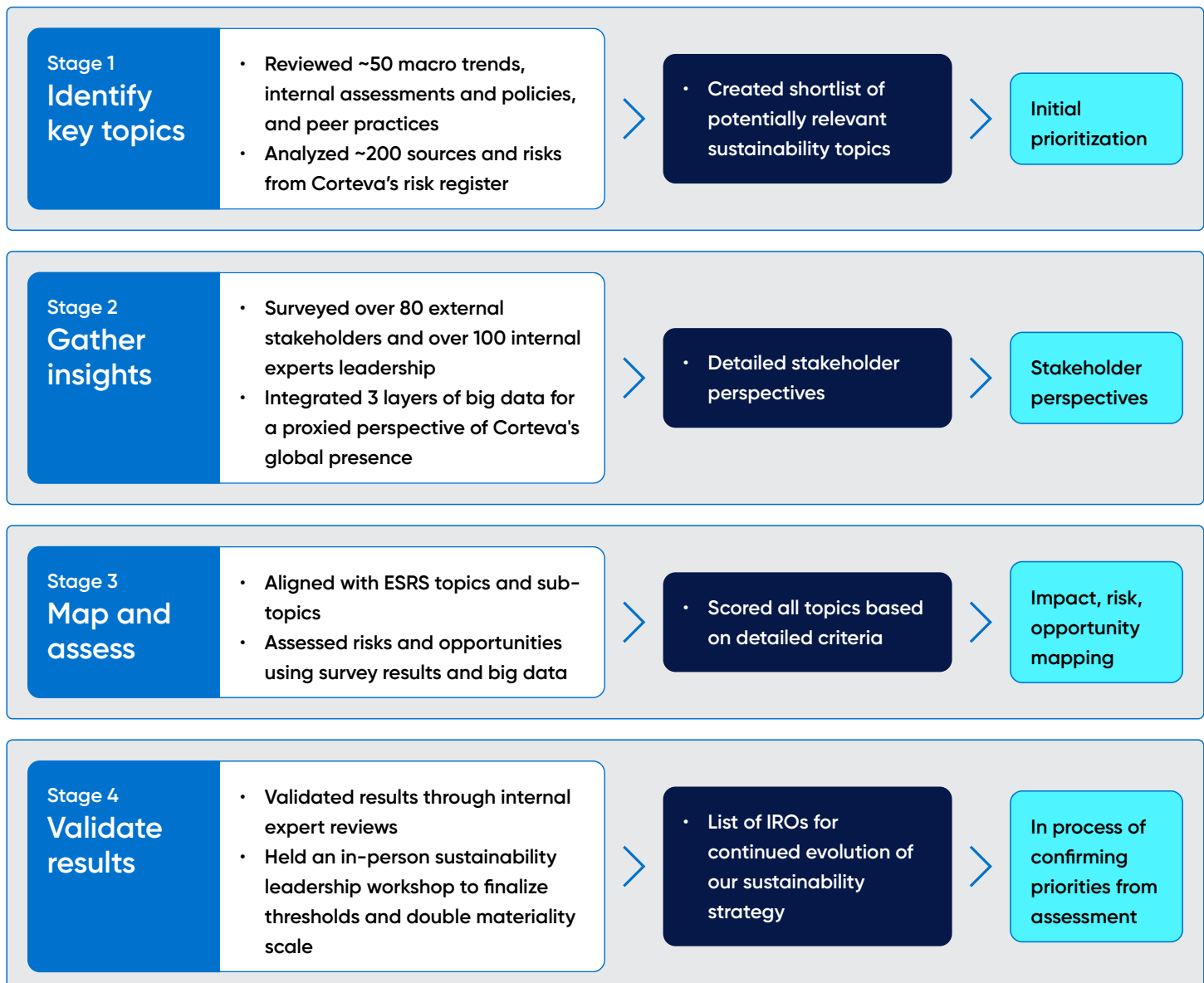
Judd O'Connor
Executive Vice President, Seed Business Unit

Oversees seed-related production and supply chains. In this role, his team is responsible for identifying and implementing seed-related operational sustainability.

Risk assessment

Given our operational and business footprint in the European Union (EU) and the upcoming EU Corporate Sustainability Reporting Directive (CSRD) regulations, we initiated a double-materiality assessment in 2024 to evaluate our impacts, risks, and opportunities, both from a financial risk perspective and broader sustainability impact.

We conducted a comprehensive assessment involving internal and external stakeholders. The process began with reviewing macro trend sources, internal policies, global peer trends, and published studies. This helped identify a broad list of potential reporting topics, which were then refined to key impacts, risks, and opportunities (IROs). A survey was conducted with external stakeholders (investors, suppliers, NGOs, works councils, industry associations, customers, and distributors) and internal stakeholders (internal subject matter experts, global leadership team, Executive Leadership Team), complemented by live interviews and proxy data tracking regulatory trends and stakeholder concerns. The survey results were mapped to the EU CSRD-aligned European Sustainability Reporting Standards (ESRS) topics, followed by a detailed review with Corteva subject matter experts. The assessment will continue to be refined in 2025 to reflect evolving regulatory requirements, emerging industry trends, and stakeholder expectations.



Risk assessment continued

Risk assessment

To support our business and value-creation goals and objectives, risk appetite, and risk mitigation strategies, we maintain a governance structure that delineates the responsibilities for risk oversight activities, and the governance and oversight of those activities, between management and our Board.

The Company's enterprise risk management program is managed by our Risk Director, who supports management in setting the organization's risk appetite, the identification and prioritization of risks, and risk mitigation activities. The Risk Director reports to the Vice President, Chief Risk and Compliance Officer, who in turn reports to our Chief Legal and Public Affairs Officer.

The Board is committed to strong, independent oversight of management and risk through a governance structure that includes our Board committees.

The Governance and Compliance Committee retains oversight of the enterprise risk management program and the recommendations for delegating oversight of certain risks to the Board's committees.

Under this structure, it is management's responsibility to manage risk and elevate to the Board's attention risks that are significant to the Company. The Board has oversight responsibility for the process established to identify, report, and monitor the most significant risks applicable to the Company.

→ [Product stewardship risk and opportunity assessment](#)

→ [Climate risk and opportunity assessment](#)

→ [Biodiversity, nature, and water risk and opportunity assessment](#)

Product stewardship

Product stewardship governance and risk oversight

Applying sustainable innovation criteria aligned to the UN SDGs throughout the innovation process allows us to ensure that the technologies in our pipeline are continuously raising the bar as we strive to bring the leading sustainable solutions to farmers. This enables us to go above and beyond global regulatory requirements. We also have internal decision criteria and processes, informed by lab and field testing, predictive assays, and models, that need to be achieved before designating a product as a sustainable innovation. These practices allow us to stop development of a technology that we learn won't meet stated criteria for safe and sustainable design.

→ [Sustainable innovation](#)

Product stewardship

We employ strong governance and process rigor to accelerate productivity, differentiation, and sustainable outcomes through product stewardship, including training for product use. Process rigor extends to each stage of product life, from pre-development to development and advancement, to launch engine, to post-launch monitoring. This results in differentiated efficacy, durability, and ability to help sustainably enhance customer productivity.

Our stringent safety standards, and those of regulatory bodies around the world, help ensure that our products contribute to the delivery of safe and reliable food and also support efforts to protect the environment. Internally, a unique and proactive approach is our industry-leading Predictive Safety Center, which helps design crop protection products with environmental factors in mind as part of the product development process. We contribute to sustainable practices by complying with all applicable environmental laws and Company policies.

Externally, we are aligned to the United Nations Food and Agriculture Organization's [International Code of Conduct on Pesticide Management](#) and [Excellence Through Stewardship](#) Plant Breeding Innovations Management Program and the Center for Food Integrity's Responsible Use Guidelines. Corteva is committed to having its product innovations follow registrations, labeling and stewardship requirements in accordance with local laws.

Our crop protection and seed solutions containing biotechnology are closely regulated worldwide, with safety reviews and authorizations completed by individual countries. Periodic reviews and safety monitoring by regulatory authorities may also be completed. Products must meet or exceed stringent human health and environmental risk assessments for their intended use. We use externally recognized methods to test our technologies, including meta-analysis, laboratory and field studies, and local on-farm testing.

As an example, all growers, applicators, retailers, and seed sellers are encouraged to take advantage of our [Enlist® weed control training system](#). This training helps users make compliant and effective applications of our Enlist herbicides.

Product stewardship and sustainable innovation continued

Predictive safety

Our industry-leading Predictive Safety Center uses a variety of technologies to predict if a product will be safe throughout its lifecycle. This evolution from reactive to proactive to predictive includes considering the balance between biological efficacy and favorable human health and environmental safety profiles. The center has three aims:

1. Design solutions to enrich the lives of growers and customers.
2. Optimize and prioritize R&D investments by predicting downstream challenges.
3. De-risk and maximize the probability of safety and regulatory success for the pipeline.

A combination of in silico models and in vitro assays are used to screen molecules and assess their safety at earlier stages in the discovery process. The endpoints for a safety assessment cover different disciplines across the areas of human health and environmental safety, including mammalian toxicology, ecotoxicology, environmental fate and metabolism, and exposure.

Customer information and labeling

We work to provide customer access to accurate and adequate information on the economic, environmental, and social benefits and impacts of products and services. We comply with and, in some cases, strive to exceed the labeling requirements required to register and sell

products locally. Internal and external review processes help monitor that labeling procedures are followed. Our labels, safety data sheets, and product use guides are available [online](#). See more about regulatory considerations driving the requirements for our product safety and labeling in our [Annual report](#) and our [Regulatory data transparency website](#).

➤ [Crop protection safety data](#)

➤ [Trait stewardship](#)

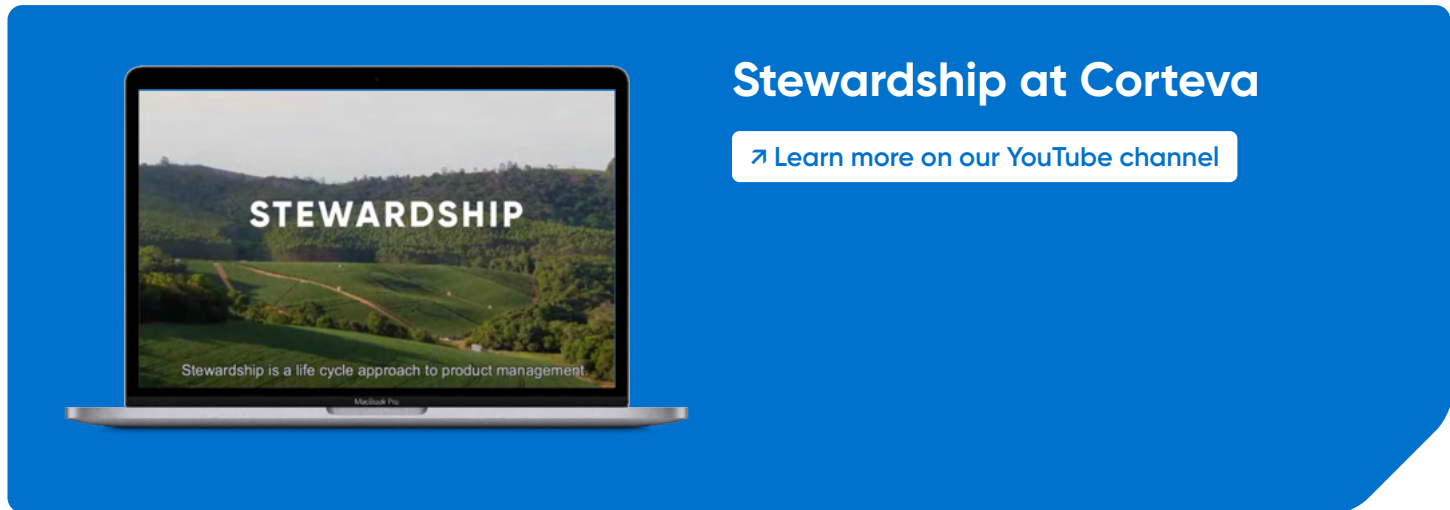
➤ [Plant seed transparency](#)

Driving responsible crop protection use: sustainable practices in action

Our India Seed Operations team has been the driving force behind our Responsible Crop Protection Use campaign, a long-standing initiative aimed at mitigating the environmental impacts of crop protection use and disposal. This program engages over 20,000 farmers across 30 production sites in eight states, providing education and resources to improve practices in crop protection storage, usage, and safe disposal. A key component of the initiative is the implementation of Extended Producer Responsibility (EPR) programs to recycle used crop protection containers, reducing plastic waste and promoting circularity. Significant outcomes achieved through this campaign include the complete elimination of red label chemicals in seed production operations, the recycling of 875 metric tons of plastic crop protection containers, and the planting of 350 saplings with the distribution of an additional 800 to local communities. These results demonstrate how our India Seed Operations team has actively addressed nature-related impacts while fostering stakeholder collaboration across the value chain to support more sustainable agricultural practices.



Product stewardship and sustainable innovation continued



Gene editing

Plant breeding is one of the cornerstones of improved agricultural productivity and sustainable food production. As a breeding tool, gene editing holds tremendous promise to allow seed companies to develop or improve plants with the ability to:

- Produce higher yields, reducing the need for more agricultural land
- Require fewer applications of crop protection
- Withstand harsh environmental conditions such as droughts

Collaboration to advance shared goals

Through our collaborations with CGIAR, the Gates Foundation, and others, we are leveraging our technologies and scientists to bring sustainable innovations to smallholder farmers globally. These farmers, specifically, are facing some of the greatest pest, disease, and climate challenges.

Together, we are advancing new crop varieties to boost farmers' access to innovative solutions. These efforts focus on essential crops for the most food-insecure regions, addressing key challenges for smallholder farmers. Through these innovations, we are addressing the need for scientific approaches to efficiently increase productivity and sustainability, alleviating the intense time and physical labor demands required from farmers.

For example, maize lethal necrosis (MLN) is a viral disease that severely reduces grain yield for smallholder farmers. We, along with partners from the International Maize and Wheat Improvement Center (CIMMYT), Kenya Agricultural and Livestock Research Organization (KALRO), USDA and the Seed Trade Association of Kenya (STAK), with funding by the Gates Foundation, are using genome editing to develop MLN-tolerant, locally adapted germplasm. After disease and yield testing is completed, this new germplasm will be released to seed

companies in Kenya for the benefit of local farmers and regional food-insecure communities.

As another example, Striga is a parasitic weed that targets the roots of sorghum plants, dramatically impacting yield for this major food staple in West Africa. Alongside Kenyatta University, the International Service for the Acquisition of Agri-biotech Applications (ISAAA), African Agricultural Technology Foundation (AATF), and other partners, we are applying gene editing techniques to create a Striga-resistant "smart" sorghum that hinders the host connection by preventing Striga germination and parasitism. By measurably reducing Striga infection, farmers will see productivity increases and be better equipped to meet the food consumption needs of millions of people in this arid region.

➤ [Learn more about our gene editing collaborations and our CRISPR genome editing guiding principles](#)

Product stewardship and sustainable innovation continued

Framework for responsible use of gene editing in agriculture

Corteva is proud to be one of six founding members of the **Plant Breeding Innovation Management Program (PBI MP)**, a new initiative designed to promote transparency and stewardship in agricultural innovation. This program sets a global standard for responsible management practices, helping to accelerate market access for technologies that benefit farmers, consumers, and the environment. Importantly, the PBI MP provides an avenue for developers like Corteva to engage with society, addressing questions and fostering understanding around the opportunities and benefits of these advancements. The guidelines are free to university researchers and academics, giving broad accessibility and consistency in developing transformative agricultural solutions.

The PBI MP principles build on our existing commitment to the Framework for Responsible Use of Gene Editing in Agriculture. This multi-stakeholder initiative, supported by

leading organizations like BIO, Cargill, PepsiCo, and Costco, promotes responsible and transparent use of gene editing technologies in the food system. Developed through collaboration with food companies, academia, civil society, farmers, and associations, the framework has been endorsed by leaders across the agriculture and food sectors to foster global acceptance of these innovative tools.

By adhering to these principles, Corteva aims to build trust and understanding among regulators, society, and key stakeholders. We are dedicated to producing new technologies that are not only developed responsibly but also recognized for their potential to address the challenges of feeding a growing global population. Through these efforts, we hope to pave the way for the continued development of crops that meet the evolving needs of farmers and contribute to a sustainable future.

[➤ Learn more about the framework and the use of gene editing](#)

Food security

Advancing more resilient food systems

Corteva's efforts span both laboratory breakthroughs and on-the-ground collaborations, from developing more sustainable technologies aligned with the UN SDGs to enhancing agriculture and addressing food insecurity at the local level. Through these actions, we are delivering impactful solutions today while strengthening the food system for the future.



Finite availability of arable farmland

~70%

of global population will be in urban areas by 2050, further straining agricultural land¹



Climate changes and rising pest pressure

~5–25%

potential reduction in crop yields in key regions from 2°C increase in global temperatures² without adaptation

Up to 40%

of crop production globally lost to pests³



More stringent regulations

~16 years

and ~\$130M to bring a new seed biotech trait to market

12+ years

and \$300M+ to bring a new crop protection molecule to market

1. United Nations, Department of Economic and Social Affairs, Population Division. (2012, May 16). 2018 Revision of World Urbanization Prospects. United Nations.

2. Jägermeyr, J., Müller, C., Ruane, A.C. et al. Climate impacts on global agriculture emerge earlier in new generation of climate and crop models. Nat Food 2, 873–885 (2021); assumes no technology changes or improvements.

3. Food and Agriculture Organization of the United Nations. (2021, June 2). Climate change fans spread of pests and threatens plants and crops, new FAO study.

Food security continued

Corteva is innovating and developing products and advancing collaborations to meet the evolving needs of farmers.

Seed solutions



Traditional crop protection solutions



Biologicals and naturally-derived solutions



Seed applied technologies



Whole farm cropping solutions



Decision science



→ [Learn more about Sustainable Innovation](#)

Ag Accelerator collaborations

Through our Ag Accelerator collaborations, Corteva is accelerating access to innovations to improve the productivity and incomes of farmers and grow our business in markets across the world.

Corteva is also leveraging our technologies and scientists to bring sustainable innovations to smallholder farmers globally who are facing some of the greatest pest, disease, and climate challenges. Together, we are co-developing new varieties with public agricultural research institutions and advancing regulatory approvals to increase farmer access to science-based solutions.

→ [Learn more about Ag Accelerator collaborations](#)

Fighting food insecurity locally

We are dedicated to advancing sustainable innovations and working with farmers, local businesses, schools, governments, and non-profits to unlock solutions that help feed the world.

→ [Learn more about Fighting food security locally](#)

Food security continued

Ag Accelerator collaborations

Corteva engages in global collaborations with key stakeholders to accelerate access to innovations and grow Corteva's business in markets around the world. Together, we are improving the productivity and incomes of farmers and enriching lives for generations to come.

For example, through the Nourishing Prosperity Alliance (NPA), Corteva is collaborating with the Bill & Melinda Gates Foundation, Land O'Lakes Venture37, Forage Genetics

International, and the International Livestock Research Institute to improve animal nutrition by advancing a sustainable commercial forage market for women smallholder dairy farmers in Kenya & Ethiopia. This alliance aims to reach 120,000 smallholder producers in Kenya and 100,000 smallholder producers in Ethiopia. Critical to the success of NPA is Corteva's climate-optimized hybrid corn seeds which increase the yield and quality of corn silage, an important type of forage for

dairy cows. In addition, Corteva agronomists are training corn silage farmers on sustainable agriculture methods for optimal production, harvesting and storing. The program is training smallholder dairy farmers to bolster the use of nutrient-rich forage and improve overall dairy production. As a result, farmers have achieved a 46% increase in liters of milk produced annually, and a 26% reduction in estimated emissions intensity.



Food security continued

Fighting food insecurity locally

Colleagues in Indianapolis recently celebrated a remarkable achievement. Since 2014, they've grown and donated more than 100,000 pounds of fresh produce to local food pantries through the "Harvest for Hunger" garden.

On average, more than 100 Corteva employees and their families spend approximately 1,000 hours each year volunteering in the two-acre garden by planting, growing, and harvesting fresh produce from more than 20 different crops that are donated to area food pantries.

"It's an incredible feeling to know that my efforts are helping feed our community, while my day job at Corteva helps feed the world," said Alicia Walker, a Corteva employee and garden volunteer.

In addition to produce, the garden features a pollinator plot and eight beehives that produce hundreds of pounds of honey annually that is also donated to local food pantries. Flowers grown in the garden are donated to a local retirement home and employees routinely host visitors, including students, to learn about agriculture, STEM, and local food insecurity.

"We're passionate about giving back to our communities and are proud to have reached this significant milestone that supports our nonprofit partners and their efforts to address hunger in central Indiana," said Audrey Grimm, Senior Vice President and Chief People Officer. "A special thanks to all of our dedicated employee volunteers who have generously given of their time and energy to support this valuable community resource."

"We're passionate about giving back to our communities and are proud to have reached this significant milestone that supports our non-profit partners and their efforts to address hunger in central Indiana."



Environment, health, safety, and security (EHS&S)

The safety of our employees, facilities, and the communities where we operate and sell is a priority that is rooted in our Live Safely value and is a core part of how our teams around the world live and work every day. To support farmers and the agricultural industry, we need to provide products in a safe and sustainable manner. For us, that means protecting the health and wellbeing of our employees and their families, as well as our value chain partners and supplemental workforce.

We are working to fulfill our safety commitments by driving elimination of severe incidents and implementing a framework to share expertise and information, to improve safety performance for our customers and the broader agriculture industry.

EHS&S governance

The Governance and Compliance Committee of the Board of Directors oversees enterprise EHS&S risks and periodically reviews metrics to track performance and focus improvement efforts. This includes reviewing and providing input to the management

team regarding current and emerging issues and reporting periodically to the Board on EHS&S as well as distribution safety and security, quality, product, regulatory, compliance, and stewardship matters affecting the Company. Our [Supplier Code of Conduct](#) reinforces EHS&S with our upstream and downstream business partners, including environmental systems and reporting.

➔ [EHS&S commitment statement](#)

Emergency planning and response

Emergencies can strike suddenly, whether an act of nature like a hurricane, flood, or earthquake, or as a result of an operational malfunction. Through the Responsible Care initiative, companies belonging to the American Chemistry Council (ACC) commit to prepare for emergency situations that can affect the safety and stability of facilities and surrounding communities. The Responsible Care® management system includes emergency planning requirements based on potential risks a facility might face. Individual facility risks may vary, based on the facility's location

(e.g. near a floodplain), time of year (e.g. hurricane season), the types of chemicals used and produced at the facility, and requirements for preparedness plans in compliance with requirements from local, state, and national authorities.

➔ [ACC Responsible Care](#)

Responsible Care companies:

- Identify, assess, and prioritize potential facility operational risk to understand what potential hazards might arise from their operations, how those hazards may translate into potential risks, and how to manage those risks
- Establish and maintain procedures to prepare for and respond to accidents and emergency situations that may occur, and help prevent or mitigate associated impacts
- Periodically test their emergency response procedures, train employees about the safety obligations for their specific jobs at the facility, and work closely to coordinate their emergency preparedness plans with local, state, and national authorities

Environment, health, safety, and security (EHS&S) continued

Process safety management (PSM)

We are committed to the safety of our employees, contractors, and the community. We recognize that process safety is a critical component of our operations and is essential to achieving our business objectives. To this end, we have developed a PSM system that is

based on the Center for Chemical Process Safety Guidelines for Risk Based Process Safety. The program is compliant with the ACC Responsible Care® Process Safety Code and is in alignment with the Corteva EHS&S Live Safely commitment statement.

Our PSM system is designed to identify, evaluate, and manage the hazards associated with our processes. It also provides necessary controls to minimize process safety incidents from occurring and reduce the negative impacts of such incidents that do occur.



Cybersecurity

We have a robust information security training and compliance annual program, which includes components such as phishing, logical access, and general cybersecurity awareness. Our Chief Information Security Officer reports to the Audit Committee on information security matters quarterly. In addition, we are externally audited against top information security and compliance standards using a financial reporting risk-based approach, with complete corporate scope. Our security policies are derived from globally recognized National Institute of Standards and Technology standards.

Meanwhile, our privacy program is part of the Legal and Compliance function. The program is overseen by the Global Chief Privacy Officer and includes a staff of privacy professionals and designated

leaders across operational and business functions, each with specific responsibility and accountability for data privacy management. A comprehensive privacy report is provided to management's Governance and Compliance Committee annually, with interim reports on a quarterly basis.

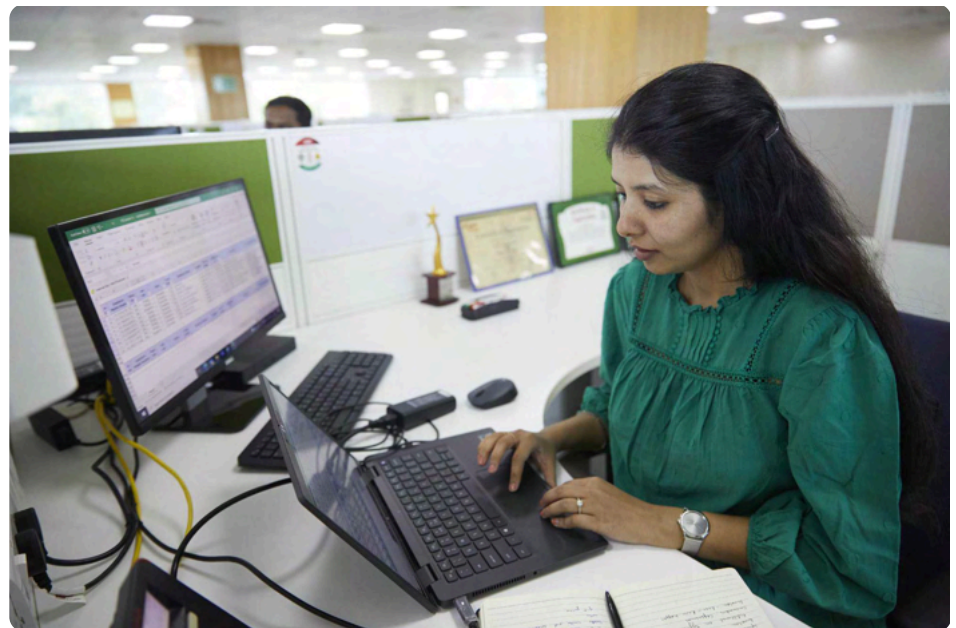
➤ [Privacy policy](#)

Like most major corporations, we are the target of industrial espionage, including cyber-attacks, from time to time. We have determined that these incidents have resulted, and could result in the future, in unauthorized parties gaining access to certain confidential business information.

To date, we have not experienced any material financial impact, changes in our competitive environment, or impact on our business operations from these events.

Although management does not believe that we have experienced any material losses to date related to industrial espionage and security breaches, including cybersecurity incidents, there can be no assurance that we will not suffer such losses in the future.

In 2024, there were no substantiated complaints from a regulator or third party related to a Corteva data breach, as that term is defined by applicable law. We do not categorize events as "leaks, thefts or losses of customer data" and are unable to provide reporting for those requested categories.



Human capital risk oversight

Employee training and development

Training and development tools are provided through curricula developed both internally and by third parties for compliance, enrichment, and upskilling. See more in the Human capital management section of our [2025 Proxy Statement](#).

Mandatory training for employees covers human rights parameters, including safety, information and personal security, inclusion, ethics and Code of Conduct, anti-corruption, harassment prevention, wellbeing, and other topics.

Each mandatory training has a targeted audience, many of which are Company-wide requirements (examples include vehicle safety, harassment prevention, Code of Conduct), as well as other targeted regional, country, business, or task-specific audiences (examples include anti-trust training, procurement procedures). Company-wide requirements are typically focused on the full-time and part-time workforce, whereas some training is also required of contractors within the organization (for example, information security and vehicle safety). In addition to training, other benefits such as paid tuition programs are offered.

We also offer comprehensive training and coaching programs to support leadership development at all levels. These initiatives are designed to foster high performance by enhancing leaders' understanding of our vision and strategy, while also strengthening core competencies and fostering growth.

Non-discrimination and harassment

In 2024, there were 39 substantiated reportable incidents globally of violations to the Discrimination, Harassment, and Retaliation Prevention Policy or the Respect & Responsibility Policy. As a result of these cases, 14 involuntary termination actions were taken, and 25 cases had disciplinary action and/or remediation plans implemented.

We internally maintain detailed non-discrimination policies outlining expectations that apply to all employees globally. These policies discuss specific non-discrimination topics, including prohibiting sexual and non-sexual harassment, and reinforcing escalation processes and corrective or disciplinary actions that may result. Employees are required to complete trainings on workplace discrimination and harassment at least every two years or annually when required by law.

Incidents are reviewed regularly; we disclose incidents to the Board on at least an annual basis and usually quarterly. To further reinforce ethical conduct, we encourage employees to speak up about any questionable or unethical behavior. Reports can be made confidentially, and retaliation against those who raise concerns in good faith is strictly prohibited. Employees have multiple reporting avenues, including their leader, HR, legal, or an anonymous global hotline.

We maintain policies and controls to comply with all employee laws in the countries where we operate by jurisdiction, most of which prohibit activities that involve child labor, forced or compulsory labor, violations of the rights of Indigenous people, and other human rights issues.

To enforce these human rights principles in action, we post signage in physical offices to convey our zero-tolerance stance on child labor, forced or compulsory behavior, discrimination, and other unethical workforce practices. For example, we take a proactive approach to these concerns in India, with certain measures such as community training guided by the UN Declaration on Human Rights, the International Labour Organization Declaration on Fundamental Principles and Rights at Work, and the Indian legal provisions on child labor.

Human capital risk oversight continued

New Frontiers Scholars

In 2018, scientists at Corteva launched the New Frontiers in Applied Science Conference Series, a pioneering initiative designed to host an annual scientific conference, each year focusing on a different topic. This forum facilitates engagement between Corteva R&D and external scientists from both the private and public sectors, aiming to advance the knowledge and innovation needed to address the most pressing challenges in agriculture today. Over the years, this program has fostered new relationships, catalyzed collaborations, and attracted new talent to Corteva through the New Frontiers Scholars program. Ultimately, New Frontiers seeks to enrich our R&D pipeline and enhance the products and tools available to farmers, promoting sustainable agriculture.



In June 2024, we hosted our annual New Frontiers conference at our global headquarters in Indianapolis. The 140+ attendees included Corteva scientists and over 65 external scientists, graduate students, and farmers from more than 25 different institutions, who came together to explore cutting-edge advancements in agriculture. Sponsored and hosted by the R&D Academic Engagement Team within R&D Operations, in collaboration with the R&D Laureate Community, the event emphasized communication, collaboration, and innovation in shaping the future of sustainable agriculture. Additionally, Corteva scientists from around the world were able to participate in the event as a live and recorded webinar.



The 2024 theme, "Climate-Resilient Agriculture," explored the impacts of climate change on agriculture and the revolutionary technologies addressing these challenges. Kicked off by a keynote address from Dr. Chavonda Jacobs-Young, Under Secretary of Agriculture, invited speakers covered topics ranging from advanced climate and pathogen modeling, to soil science and agronomy, to plant breeding, genetics, and biotechnology. Participants discussed scaling and responsibly advancing these technologies as practical solutions to improve agricultural systems, support farmers, and drive global sustainability. A panel of invited farmers provided a unique opportunity to hear directly from Corteva customers and facilitate engagement and candid discussion with the scientific community.



The Corteva New Frontiers Scholars program invites graduate and doctorate students to apply for an opportunity to attend the conference and present their research. In 2024, eight students were selected to deliver research presentations at the conference. Additionally, numerous other students showcased their work during a poster session. This program provides an impactful opportunity for the next generation of scientists to participate and shape the future of agriculture, fostering meaningful connections with Corteva R&D.

Nature risk oversight

Governance related to nature reflects our proactive engagement with the ecosystems integral to our business. Our strategic actions include innovative product development and collaborative partnerships aimed at preserving biodiversity.

We're not only pioneering in product and productivity innovations that support ecological balance, but also in operational improvements that contribute to a healthy environment.

Nature in our operations

We are at the forefront of more sustainable agriculture technologies, providing seed and crop protection solutions that support farmers while prioritizing environmental stewardship. Our operations are deeply connected to the landscapes we serve, making it essential to understand the interdependencies between our activities and the ecosystems around us.

In 2024, we conducted our first Taskforce on Nature-related Financial Disclosures (TNFD) nature-impact, risk, and opportunity assessment on our direct operations to evaluate these connections and uncover opportunities for more sustainable impact. Through this process, we gained data-driven insights into how our operations influence local ecosystems, such as watershed dynamics, where we analyzed water usage and availability at a granular level. This knowledge allows us to define thresholds for reporting impacts and baselines, particularly regarding land-use changes, helping our actions align with nature-positive principles.

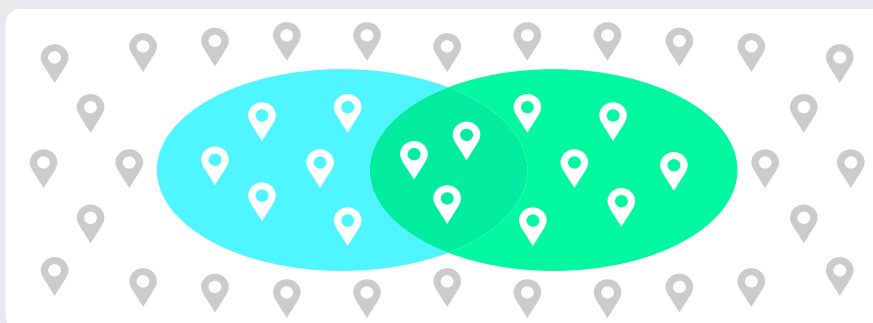
By doing so, we can strengthen the sustainability of our operations while minimizing environmental risks. Importantly, these findings are not confined to our operational boundaries.

They inform decisions across our value chain, enabling us to identify practices that promote biodiversity, enhance resource efficiency, and deliver long-term value for farmers and the environment. This work underscores our commitment to driving agriculture toward a more sustainable future.

TNFD priority location categories

Assessment locations

All geographic locations in the organization's direct operations



Sensitive locations

Locations where the assets and/or activities in the organization's direct operations interface with nature in areas deemed to be ecologically sensitive.

Material locations

Locations where the organization has identified material nature-related dependencies, impacts, risks and opportunities.

Priority locations

for Strategy D disclosure

Nature risk oversight continued

Nature in our value chain

Ensuring quality data through surveying and baselining was pivotal to comprehending and adopting leading biodiversity practices both upstream and downstream of our operations. We undertook soil health surveys among our seed growers to identify sustainable land practices, including tillage avoidance, grassing waterways, biofiltration, and crop windbreaks. Additionally, we conducted extensive surveys across all our operations, encompassing Seed and Crop Protection business units, and R&D function, to gain insights and further define our biodiversity performance.

This comprehensive understanding of effective measures employed across our sites and among our growers is instrumental in enhancing our ability to evaluate and implement biodiversity practices more effectively in the future.

Water use in our operations

With approximately 200 sites worldwide, we assess water risk at facilities that use over 100,000 gallons of water annually. Our assessment is based on key indicators such as baseline water stress and baseline water depletion, utilizing geolocational aqueduct data through the WRI Water Risk Framework. Our latest review identified fewer than five crop protection manufacturing sites and around 40 R&D and seed production sites that may be exposed to water risks spanning North America, Europe, Asia, Latin America, and Africa.

We acknowledge that water is a critical resource for our growers and our operations, as it is used as an ingredient in our products, and our contract growers use water for growing seeds. Therefore, any disruption in water availability could potentially impact our production capabilities and financial performance. However, we have implemented robust water stewardship policies and practices to adapt to these risks. These include encouraging the reuse and recycling of water in water-stressed regions, implementing zero liquid discharge facilities, and strategically locating our most water-intensive activities, like biological fermentation, at sites where water and wastewater technology are plentiful.

Given the global presence of agriculture, our seed manufacturing and R&D operations engage with regions where water risk is a concern, in contrast to our crop protection sites, which are strategically located in areas with plentiful water.

Corteva has the value creation solutions to help producers optimize soil health and water quality through innovative microbial and nutrient efficiency technology. MycoUp® and Resid™, based on mycorrhizae innovation, form symbiotic relationships with plant roots, improving soil structure and boosting nutrient and water uptake. Meanwhile, the suite of nutritional efficiency offerings, [Utrisha™ N nitrogen stabilizer](#), [Omsugo™ P plant growth regulator](#), and [Masterfix™ plant growth regulator](#), enhances the availability and use of vital nutrients like nitrogen and phosphorus, reducing fertilizer input requirements and protecting waterways from runoff. By fostering healthier soil ecosystems and more efficient nutrient cycling, these solutions enable sustainable farming practices that benefit both productivity and the environment.

Our Taskforce on Nature-related Financial Disclosures (TNFD) pilots, testing one of the first nature-related impact, risk, and opportunity assessments, underline our ongoing commitment to environmental responsibility within our business strategy.

As we continue refining our methodologies, we recognize this field is still in its early stages and are committed to advancing it further. This work supports our sustainability targets, including enhancing biodiversity on 25 million acres by 2030 and aligning sustainable product innovation with SDG 6: Clean Water and Sanitation, demonstrating our unwavering commitment to ecological stewardship.

Climate governance

Climate and GHG emissions governance and risk oversight

Our GHG governance framework is built on a foundation of science-based strategic action. Guided by the Sustainability and Innovation Committee's charter that explicitly designates responsibility for the oversight of climate-related risks and opportunities, our leadership is committed to a rigorous review and monitoring process of our climate-related strategies and performance. Our governance extends across various business units, with clear roles defined for executives and a Company-wide commitment to sustainability that translates into specific, measurable performance goals.

Climate-related strategy, governance, risk and opportunity oversight, and performance monitoring is overseen by the following individuals and committees.

Sustainability and Innovation Committee:

Board-level oversight of climate governance, strategy, risk management, and performance, and the Company's innovation pipeline and sustainability efforts.

Chief Strategy Officer:

Supports development of climate-related strategies, assessment of carbon impacts associated with potential growth projects, and alignment of capital allocation decisions with the Company's enterprise corporate strategy and sustainability risk appetite.

Executive Vice President of Crop Protection:

Oversees Scope 1, 2, and 3 governance, strategy, risk management, and performance.

Chief Technology and Digital Officer:

Leads our global research and development, and aligns our pipeline with our sustainable innovation criteria that have an impact on farmer productivity, GHG emissions and biodiversity.

Sustainability Leadership Team:

Committee comprised of senior management that meets regularly to gain alignment and discuss climate-related matters.

Climate impact, risk, and opportunity management

At Corteva, we actively monitor and manage climate and nature-related impacts, risks, and opportunities across all areas of our business – from R&D to strategy and operations. By evaluating these impacts, risks, and opportunities, we uncover opportunities to drive growth, develop smarter innovations, and improve efficiency.

When making investment decisions, we consider carbon emissions as an element of overall financial returns. Our R&D teams are focused on creating next-generation products that enable more sustainable agriculture, helping farmers adapt to changing weather patterns. Meanwhile, our operations teams track and respond to both short- and medium-term climate challenges to ensure we stay ahead of emerging risks and opportunities.

Corteva's climate assessment journey

Our journey to address climate and nature-related risks has been one of growth, innovation, and collaboration. By evolving from early assessments to advanced modeling, we are driving more sustainable solutions that help shape the future of agriculture.

➔ 2019–2021: broad qualitative assessments

- Evaluated physical and transitional risks
- Used Representative Concentration Pathways (RCP 4.5 and 8.5) and IEA scenarios (NZE 2050 and SDS)

➔ 2022: collaborative climate scenarios

- Partnered with the World Business Council for Sustainable Development (WBCSD) and 13 companies
- Developed agriculture-specific climate transition scenarios, integrating commodity pricing, acreage, and yield projections

➔ 2023–present: advanced data and analytics

- Integrated geospatial data and resilience analytics
- Corteva's Decision Science teams enabling detailed internal modeling
- Producing more highly granular, data-driven strategies to map impacts, risks, and opportunities

Our advanced tools and partnerships are helping us better understand and respond to climate challenges. By combining geospatial data, internal modeling, and scenario analysis, we can anticipate risks, uncover opportunities, and ensure farmers have the solutions they need to thrive in a changing world.

While agriculture is often seen as a source of climate and nature risks, Corteva's century of innovation proves the positive impact of technology by consistently delivering science-driven solutions that surpass historical benchmarks. By combining advanced environmental risk analytics with cutting-edge technology, we empower farmers to thrive in a changing world.

At the core of this mission are five key growth drivers that shape our strategy for creating more sustainable value:

1

Decision science

Provides predictive tools for informed decision-making.

2

Gene editing

Enhances crop resilience and productivity.

3

Agricultural systems

Enables new markets and sustainable practices.

4

Proprietary technology

Drives value creation and efficiency for farmers.

5

Biologicals and naturally-derived products

Supports nature-based solutions and soil health.

Climate impact, risk and opportunity management *continued*

In 2023, we began to advance our climate risk assessment processes through the development of nature and climate resilience analytics, enabled by geospatial data to identify climate and nature risk exposure to our operations.

Physical climate risk modeling

For Corteva climate physical risk modeling, we use best-in-class tools and globally accepted decarbonization scenarios that include RCP 8.5 and 2.6. We also use best-in-class tools that rank the highest for hazards covered and geographical reach.

Physical climate risk scenarios	Scenario description
RCP 8.5°C high-emissions scenario	Under RCP 8.5°C, emissions continue to rise throughout the 21st century and it is generally considered to be the worst-case climate scenario where temperature increases by about 5°C by 2100.
RCP 2.6°C stringent pathway scenario	Under RCP 2.6°C, carbon dioxide emissions start to decline by 2020 and reach zero by 2100, also requiring methane emissions to reduce to approximately half of 2020 levels, while sulfur dioxide emissions decline to approximately 10% of those of 1980.

Physical climate risks

Property damage: the risk of physical damage to the property impacting asset value.

Business interruption: the risk of business interruption due to down days and property disruption impacting revenue and costs.

Hazard	Acute	Chronic	Description	Potential impact on Corteva Agriscience
Extreme heat	X	X	Occurs due to a prolonged period of excessively hot weather.	Heat is a failure-only hazard, which could halt production.
Extreme wind	X		Occurs due to extreme wind events that produce sustained gusts of wind.	Extreme wind can cause property damage and interrupt production.
Surface water flooding	X		Occurs when the ground is over-saturated and/or drainage systems overflow and the excess water cannot be absorbed or drained away.	Surface water flooding can cause property damage and interrupt production.
Riverine flooding	X		Occurs when streams and rivers exceed the capacity of their natural or constructed channels to accommodate water flow and water overflows from the banks, spilling out into adjacent low-lying, dry land.	Riverine flooding can cause property damage and interrupt production.
Soil subsidence		X	Occurs due to the downward movement of soil, usually due to withdrawal of moisture.	Soil subsidence can cause property damage if low groundwater causes foundations to shift.
Forest fire	X		Occurs due to uncontrolled fire in an area of combustible vegetation.	Forest fires can cause property damage and interrupt production.
Coastal inundation	X	X	Occurs due to sea level rise and storm surges.	Coastal inundation can cause property damage and interrupt production.

Climate impact, risk and opportunity management continued

Climate transition risk modeling

Assessment of transitional risks is based on potential scenarios for legislation, technological development, or market conditions. Assessment is based on short-, medium-, and long-term horizons, with consideration given to the expected lifetime of the assets or activities. Our assessment includes upstream and downstream activities.

Each risk or opportunity is measured as the range between the decarbonization scenario (1.5°C and <2°C) and the baseline scenario (>3°C) values in 2050. All risks use the following scenarios:

Climate transition risk scenarios	Scenario description
>3°C Historic Trends Scenario	>3°C Historic Trends represents a scenario in which climate action remains stable at current levels, creating limited transition risks, but the world fails to limit global warming to manageable levels, resulting in substantial future physical risks. This scenario has low levels of transition risk.
<2°C Coordinated Policy Scenario	<2°C Coordinated Policy Scenario is a scenario where timely policy and regulation work to curb emissions in an orderly fashion, decreasing the physical risk of climate but increasing the transition risk. This scenario has moderate levels of transition risk.
1.5°C Innovation Scenario	Under 1.5°C Innovation Scenario, large demands from the energy system for bioenergy with carbon capture and storage (BECCS) ² , coupled with greater-than-historic yield growth in agriculture and government support for R&D, enables early decarbonization and limited physical impacts of climate. This scenario has high levels of transition risk, but may be muted by technological progress.

- 1. Protected areas refer to areas that are under "strict protection" (WDPA Cat I, II), i.e. human activity is limited and controlled.
- 2. BECCS includes agricultural residues and waste and energy crops specifically grown for use as fuel.

Climate transition risks

Technology: unrecovered investment in genetically modified organisms and gene-edited seed products.

Market: change in costs of Corteva inputs, including raw materials, energy, and labor. Change in revenue due to market drivers, such as shifting protein and starch demand.

Policy and legal: change in revenue from regulatory compliance related to land use and protected areas. Change in costs from a real or implied future price on carbon across global operations.

Opportunity: managing the footprint of our operations

Risk type & primary climate-related risk driver	Where in the value chain does the risk driver occur?	Likelihood of risk	Potential impact to Corteva	Velocity of risk
Government policy, technology development	Direct operations	Medium	Medium	Medium 5-10 years

What is the opportunity? There are opportunities for Corteva to explore renewables and energy efficiency as levers for achieving the Company's commitment to GHG reduction. This opportunity may focus on Corteva's operations as well as suppliers becoming more efficient or using renewable energy.

What is Corteva doing about it? Corteva is working to reduce GHG emissions while enabling a more resilient agriculture value chain. Corteva has an established climate strategy, including appropriate Scope 1 and 2 GHG reduction targets. The Company is seeking ways to reduce its impact and providing tools and incentives for customers to do the same. Corteva champions climate-positive agriculture, utilizing carbon storage and other means to remove more carbon from the atmosphere than it emits without sacrificing farmer productivity or ongoing profitability. [Learn more about our operational improvements here.](#)

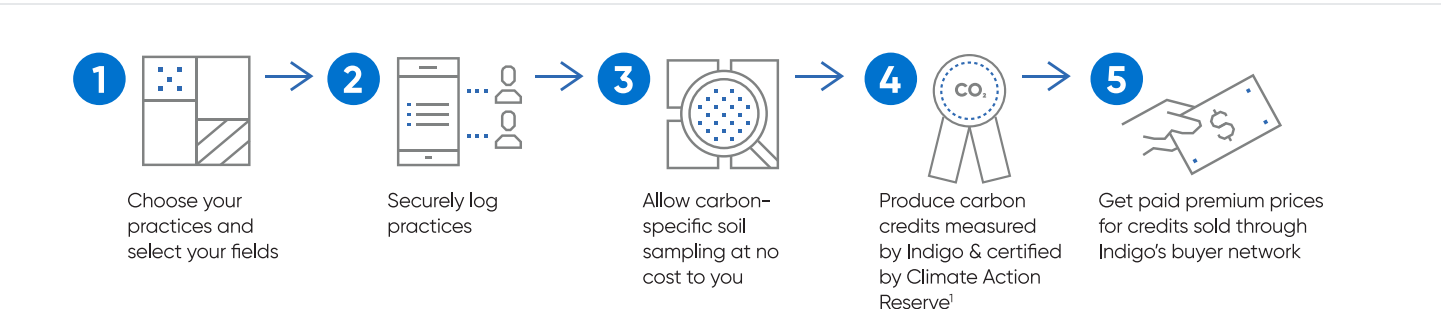
Climate impact, risk and opportunity management continued

Opportunity: valuing climate-resilient products

Risk type & primary climate-related risk driver	Where in the value chain does the risk driver occur?	Likelihood of risk	Potential impact to Corteva	Velocity of risk
Government policy, market demand	Upstream	High	High	High <5 Years

What is the opportunity? Climate regulations may support accelerated efforts for climate-resilient agriculture. Corteva can partner with customers and offer decision science tools and products to help them access market opportunities for climate-resilient or low-carbon agricultural products.

What is Corteva doing about it? Corteva carbon solutions are designed to simplify and enable the path to profitability for farmers who adopt new climate-positive practices for sequestering carbon and reducing on-farm GHG emissions. This initiative leverages the full spectrum of our seed, crop protection, biologicals, decision science, and agronomic expertise, while providing farmers with access to new markets through a simple, flexible way to sell carbon credits for a fair price on their terms.



1. The Climate Action Reserve is an independent nonprofit that establishes strict standards for quantifying and certifying GHG emissions reduction projects to ensure the integrity, transparency, and financial value in the North American carbon market.

Climate impact, risk and opportunity management continued

Opportunity: targeted and integrated crop analytics technologies

Risk type & primary climate-related risk driver	Where in the value chain does the risk driver occur?	Likelihood of risk	Potential impact to Corteva	Velocity of risk
Market demand	Upstream	High	High	High <5 years

What is the opportunity? Corteva has opportunities related to the integration of crop protection, seed, biologicals, and data analytics. These solutions can reduce climate impacts by reducing overall inputs, potentially reducing land use through increased yields, as well as other potential benefits from on-farm data collection and digital services to support climate adaptation.

What is Corteva doing about it? Corteva has formed a unified Decision Science organization within its R&D function, enabling data analytics needs from the earliest parts of the R&D pipeline all the way to the digital sustainable solutions being used by farmers.

Examples of how we market these solutions to farmers:



Granular Insights

- The easiest way for farmers and their advisors to collaboratively plan, grow, and analyze each field.
- Make confident decisions with data-driven insights and harness the power of your data to boost yield and protect the bottom line.
- Get the most value from your seed investment with field-by-field plans that tailor variety and hybrid, rate, and placement to every acre you plant.
- Collaborate with your team to ensure that every acre achieves its full potential.



LandVisor™ advanced brush management

Get a comprehensive view of your land, revealing actionable insights to make the right decisions at the right time. LandVisor combines sophisticated imagery, data, decision science, and expert guidance to give you confidence in your land management decisions.

Climate impact, risk and opportunity management continued

Opportunity: crop protection technologies

Risk type & primary climate-related risk driver	Where in the value chain does the risk driver occur?	Likelihood of risk	Potential impact to Corteva	Velocity of risk
Market demand	Upstream	Almost certain	High	High <5 years

What is the opportunity?

Corteva continues to advance crop protection offerings, many of which can help to address climate-related challenges. For example, nitrogen fertilizer is a source of on-farm emissions. Corteva continues to focus on nitrogen efficiency by delivering products that promote the retention of nitrogen in the soil and support profitability. There may be further opportunities for increased market demand for products that improve nitrogen efficiency and reduce emissions while supporting farmers' businesses.

What is Corteva doing about it?

Optinyte® nitrogen stabilizer technology reduces denitrification, reducing the escape of GHG into the atmosphere. Conclusions from a meta-analysis were that, on average, use of Optinyte technology resulted in a 51% reduction of nitrous oxide (N₂O) emissions and a 16% decrease in soil nitrogen leaching. The stabilization of nitrogen resulted in a 7% increase in crop yield by extending nitrogen availability in the soil for up to eight weeks during critical growth stages. Utrisha™ N nitrogen optimizer technology, a natural origin biostimulant, enables plants to improve nutrient use efficiency and provide nitrogen directly to crops as a sustainable supplemental nitrogen source.

Environmental benefits:

- Stabilized nitrogen reduces leaching or loss from denitrification
- Less nitrate loss in waterways
- Reduces emissions of GHG into the atmosphere

Yield gain:

- Increased yield in corn, cereals, and other crops
- Improves crop quality and plant health
- Protects the environment
- Reduces nitrate and GHG losses
- Improved efficiency
- Keeps nitrogen in the root zone
- Greater productivity
- Maximizes yield

Opportunity: advanced seed technology

Risk type & primary climate-related risk driver	Where in the value chain does the risk driver occur?	Likelihood of risk	Potential impact to Corteva	Velocity of risk
Government policy, technology development	Upstream	High	High	Medium 5-10 years

What is the opportunity?

Corteva is exploring new technologies and climate-related products. New genomic techniques may allow Corteva to increase yield potential and yield protection, resulting in climate resiliency being further integrated into seed products.

What is Corteva doing about it?

Corteva achieved verification that the organization is operating in conformance with the Framework for Responsible Use of Gene Editing in Agriculture. The framework outlines principles and guidelines that organizations can voluntarily follow to demonstrate their commitment to the safe and transparent use of gene editing technology. Gene editing techniques can allow seed companies to enhance crops to make them more resilient to environmental stresses and pests, while also producing higher yields, reducing the need for agriculture-related land-use change.

Due diligence processes

Human rights due diligence

We welcome suppliers – and any other stakeholder – reporting any concerns via the Company's confidential, anonymous, and multilingual [hotline](#) or [web reporting](#) form. The Company does not tolerate retaliation against anyone who in good faith reports suspected misconduct or anyone who assists with an investigation.

We work with business partners who share our commitment to the highest ethical standards. This includes those committed to the protection and advancement of human rights, with a zero tolerance of the use of forced labor, slavery, human trafficking, the exploitation of children, or their engagement in hazardous work.

As a member of the United Nations Global Compact (UNGC), Corteva is committed to aligning our operations and strategies with its principles on business and human rights, including the "protect, respect, and remedy" framework and its principles of due diligence.

Suppliers are required to agree or attest to Corteva's Supplier Code of Conduct within their contract terms, including acknowledging our zero-tolerance policy on human rights violations. Together with our worldwide subsidiaries, we require that all global vendors, contractors, and

suppliers of any product or raw material, wherever it originates, apply our [Human Trafficking, Child Labor and Forced Labor Principles](#). These expressly outline zero tolerance and if any claim against them was found to be true, would ultimately lead to the termination of the contract. Additionally, it is the responsibility of local management to implement and ensure compliance with these principles at our facilities in each region around the world.

We assess our own business as well as those acting on our behalf within our supply chain. To identify human rights concerns, we have a grievance mechanism in place to elevate concerns regarding adverse human rights impacts. We choose to work with business partners who share our commitment to the highest ethical standards. We are committed to the protection and advancement of human rights and will not tolerate the use of forced labor, slavery, human trafficking, the exploitation of children, or their engagement in hazardous work. Evaluations of suppliers and business partners are integrated into our supply chain and procurement processes, which provide mechanisms to address human rights concerns throughout our value chain.

➔ [UNGC communication on progress](#)

Supplier sustainability risk assessments

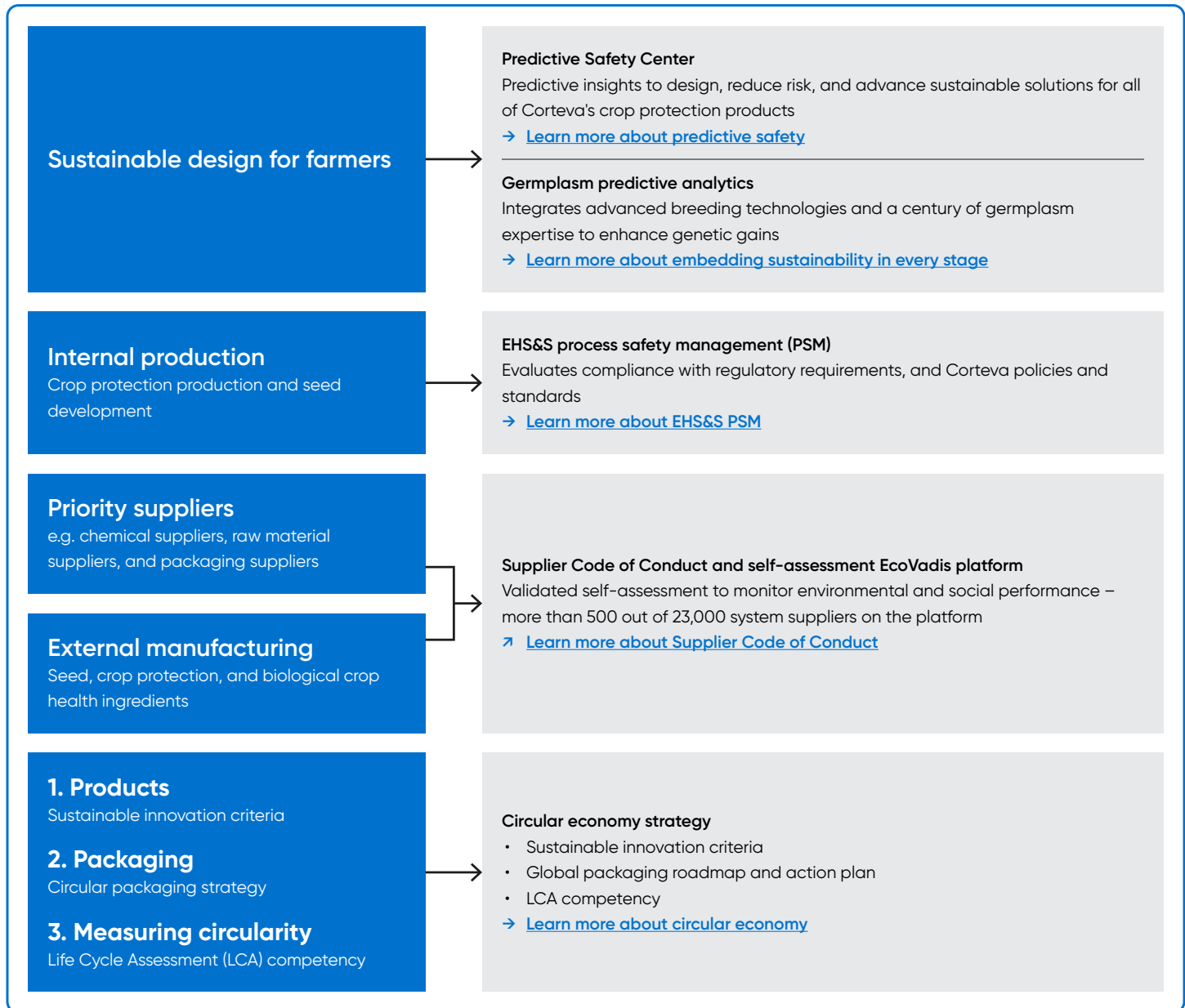
Through Together for Sustainability (TfS), we undertake rigorous assessments and audits of our supply base, examining suppliers' approach to the environment, social responsibility, ethics, and the supply chain. Assessment methodology is built on international standards, including the Global Reporting Initiative (GRI), UNGC, Responsible Care® principles and ISO26000. Evaluation criteria include policies, actions, and results. Documentary evidence is required, and third-party certifications are considered.

Performance is assessed in the areas of management, environment, health and safety, labor and human rights, and issues of ethical corporate governance. The measures introduced are then reviewed via reassessments or audits. A scorecard, including overall assessment score, score by category, and any strengths or improvement opportunities, is created. A corrective action plan is put in place where required. Follow-up monitoring and subsequent supplier management are the responsibility of the individual member companies. An online platform is used to make the results available to all members of the initiative.

TfS community member KPIs	Description	2024 target	2024 target achieved by
KPI1	TfS assessments actively managed by TfS members	18,000	115%
KPI2	TfS assessments conducted and shared across TfS members	12,000	114%
KPI3	Percentage of improved assessments	60%	108%
TfS community member audit KPIs	Description	2024 target	2024 target achieved by
KPI1	TfS audits actively managed by TfS members	1,200	101%
KPI2	TfS audits conducted and shared across TfS members	550	108%

Due diligence processes continued

Sustainability due diligence throughout our value chain



Circular economy

From product design to packaging production, we adopt a circular economy approach to minimize our environmental impact. We are also leaders in measuring product impacts on the environment through our internal LCA competency, governed by an internationally recognized set of ISO standards.

1

2

3

Circular product innovations

For new seed, crop protection active ingredients, and biologicals, we have established thresholds for each sustainable innovation criteria and an expectation that each new innovation has at least one notable sustainability advantage across the categories.



90% of our new crop protection solutions in 2024 have a sustainability advantage aligned to UN SDG 12: Responsible Consumption and Production, specific to one or more of the following thresholds:

- Reduce use rate, reduce waste, and improve product application efficiency
- Use sustainably sourced renewable inputs
- Formulation innovation resulting in better hazard classifications, using safer materials in finished products

Sustainability advantages that benefit SDG 12

Rinskor™ active

The reduction in use rate

Based on the opportunity to displace propanil with Rinskor™ active on rice in China over the next five years, this could result in the reduction of 0.5 million tonnes of CO₂e over this same period of time.

Inatreq™ active

Using sustainably sourced inputs

Launched to help control key diseases in cereals and other critical food crops like bananas, Inatreq™ active can degrade into inert natural carbon compounds in just under two days, which is 100 times faster than other products.

Circular economy continued

1 2 3

Circular packaging innovations

Our circular packaging strategy is three-fold:

Package rationalization and design optimization

Industry collection and recycling

Sustainable material and technology innovation

Plastics management is embedded in our overall strategic approach, ensuring both operational efficiency and long-term sustainability. Through a comprehensive assessment of plastic use across our value chain, we have identified key areas where plastics play a critical role and where we can implement meaningful reductions to minimize environmental impact. The focus of this exercise spans from product formulation to the final stages of packaging, highlighting areas for improvement and innovation in plastic usage.

At the forefront of our efforts is the integration of a circular economy model in our packaging practices. In 2022, we conducted a comprehensive global packaging component gap assessment. The findings from this assessment have been instrumental in developing a global roadmap and action plan into 2024. These initiatives are centered around increasing the recyclability and reusability of packaging materials. Key strategies include transitioning to mono-material components for easier recycling, optimizing the efficiency and performance of packaging materials, and substituting virgin plastics with recycled alternatives.

Plasma barrier project

A pivotal aspect of our journey involves the implementation of our plasma-coated high-density polyethylene (HDPE) project across Brazil, Paraguay, Argentina, Chile, and Uruguay. This pioneering project is dedicated to improving the sustainability of packaging by incorporating plasma barrier technology into the production of HDPE bottles.

This shift to using a singular material, HDPE, which is readily recyclable, marks a significant step forward in replacing multi-layer co-extrusion processes. The plasma treatment, conducted in a safely controlled environment, is applied to the inner wall of the container within a shielded and sealed reactor, ensuring safety and efficiency.

What is plasma?

Plasma is an ionized gas or vapor made up of ions, electrons, and various chemically reactive and electrically excited particles. When applied in certain processes, plasma can be used as a thin coating on the inner surface of plastic containers, forming an efficient protection barrier.

Circular economy continued

Packaging improvements

We launched a new range of plastic packaging in Europe, Middle East, and Africa (EMEA) to replace our previous packaging.

The benefits of this new branded and optimized packaging include:

1. Containers leading to 45 MT plastic packaging reduction in the market
2. Elimination of induction-sealed cap, leading to better recyclability of caps
3. Elimination of non-essential plastic measuring device, representing 44 MT plastic reduction
4. Carton case optimization with 30% less material
5. Optimization of goods delivery on pallet, reducing GHG transportation footprint



We maintain a vigilant focus on the broader impacts of our plastic use, particularly in relation to environmental and community health.

Our global packaging council and regional teams are tasked with making sustainable packaging decisions. They play a pivotal role in driving us toward more responsible plastic management, emphasizing both environmental protection and community welfare. This commitment extends to participating in global recycling and collection schemes, such as the Ag Container Recycling Council (ACRC) in the United States.

Adhering to extended producer responsibility principles, we manage the environmental impacts of our products throughout their lifecycle, including packaging.

This comprehensive approach mitigates any financial or strategic risks associated with plastic use. We are actively engaged in finding sustainable alternatives to plastics, reducing our dependence on them and promoting environmentally friendly options.

Through these efforts, we are not just minimizing our environmental impact but also setting a benchmark in sustainable practices within the agricultural sector.

Our proactive and comprehensive approach to plastic management underlines our commitment to safeguarding the planet and ensuring the welfare of future generations.

Circular economy continued

1 2 **3**

Measuring circularity

We have established an internal LCA competency: a science-based, holistic approach to quantifying environmental impacts across the value chain of a product or process. Industry, academia, and government agencies have applied LCA for many purposes over the years.

Impacts are considered across the full value chain, including raw material production and delivery, direct operations, use, and end-of-life scenarios. Our internal LCA team will continue to partner with external consultants and stakeholders to provide the analysis and insights needed to achieve targets and further quantify the environmental impact of our sustainably differentiated products.

Corteva is using Life Cycle Assessment to:



Provide subject matter expertise and guidance for leadership



Understand the environmental footprint of select products



Communicate with key stakeholders

→ [Sustainable innovation](#)

Engaging with communities

Corteva Grows is our global, Company-wide strategy and program for corporate citizenship and philanthropy. We proudly partner with local and regional communities through outreach programs around the world. We use our expertise to help address nutrition, food security, environment, science and technology education, and quality of life challenges.

We prioritize community impact through the following UN SDGs:



Globally, more than 850 million people in the world face severe food insecurity. This equates to one out of nine people who suffer from chronic hunger.

We are dedicated to advancing sustainable innovations and working with farmers, local businesses, schools, governments, and nonprofits to unlock solutions that help feed the world. Together we can improve food security. Some of our contributions have included:

- Increasing smallholder farmers' access to Corteva sustainable innovations
- Collaborating with key stakeholders to leverage gene editing to solve critical challenges faced by vital crops
- Planting and harvesting hunger gardens that stock food pantries
- Assisting with distribution of food for hungry families
- Sharing best practices with smallholder farmers
- Helping create new food pantries
- Delivering meals to home-bound seniors
- Assembling meal pack kits



We support projects and programs that lead to educational achievement and development for youth globally, and build a diverse future agricultural workforce. We cultivate the future through science and technology education with all ages, and broadly increase the tech pipeline, which benefits our business. We collaborate with community partners, educators, organizations, and schools to support events that make science education fun for all ages. Activity areas include

agriculture, biology, chemistry, engineering, information technology, nutrition, marketing, sales, and more. Participants learn about career opportunities in agriculture and become familiar with progressive skill sets and professional competencies like critical thinking, problem solving, leadership, teamwork, and communications.

Community engagement provides opportunities for open conversations about agricultural technologies,

leading to advocacy and support. Our activities for students include:

- Opportunities to meet with scientists, engineers, and tech specialists
- Engaging science activities at K-12 schools, universities, and community events
- Hands-on learning and exposure at science fairs



Our local communities are the heart of our Company. Our initiatives help improve the quality of life in communities where we live and work, striving to meet the unique needs of each.

We are driven by a purpose to enrich the lives of those who produce and consume agricultural products around the world. We strive to create an

agricultural ecosystem that naturally supports people, progress, and the planet. We proudly partner with our communities through outreach programs:

- Home construction projects to support community housing needs
- Roadside litter removal activities to enhance local environmental quality
- Youth mentorship programs to foster future leadership
- Development of native gardens and outdoor learning areas to promote sustainability education
- Tree planting initiatives to contribute to reforestation and carbon sequestration efforts

Engaging with communities continued

Key community initiatives

We proudly partner with local and regional communities through outreach programs around the world.

→ [Community performance](#)

Empowering 2 million women farmers by 2030

We have launched a transformative program aimed at empowering 2 million women farmers across India's agri-value chain by 2030. This initiative addresses critical issues of equitable access and inclusion in a sector where decision-making and resources are often dominated by men. Currently, women make up 63% of India's agricultural workforce, significantly contributing to crop production (75%),

horticulture (79%), post-harvest activities (51%), and animal husbandry and fishery (95%). Despite their contributions, their work is often unrecognized, and they lack access to vital resources and support.

This project reflects our commitment to gender equality, economic empowerment, and environmental sustainability. By providing women with essential tools, knowledge, and resources, we are paving the way for them to play a leading role in

sustainable agriculture, thus boosting rural economies and enhancing food security. The initiative aligns with India's vision for sustainable development and highlights the importance of public-private partnerships in mainstreaming women farmers. This program not only supports women's empowerment but also drives the country's progress toward a sustainable and inclusive agricultural future.

↗ [Watch the video](#)

Public policy, charitable giving, and tax transparency

We actively participate in policy-related dialogue pertaining to the environment and social factors that affect the lives of farmers, consumers, our operations, our employees, and the communities in which they live. When engaging in policy-related dialogue, Corteva always complies with U.S., federal, state, and local political campaign finance and election laws. We publicly disclose details of our U.S. political giving on [our website](#).

➤ [2024 political contributions, U.S.](#)

Tax transparency

We regard tax as a critical element of our commitment to growth in a sustainable, responsible, and socially inclusive manner, and it is central to our commitment to creating superior, long-term value for our multiple stakeholders. Consistent with our values and our Code of Conduct, we act responsibly and with integrity in all tax matters, to help ensure compliance in the countries in which we operate.

Our tax function partners with our business units with the intent to ensure the operations are carried out in a tax-efficient manner, consistent with the

letter and spirit of the relevant tax laws and regulations. We are involved in the business unit decision-making process, and advise on the tax implications of proposals so that there is a clear understanding of the tax consequences of any decision.

When we are present in a country, we are there for commercial and business reasons. We do not undertake transactions whose sole purpose is to create a tax benefit that is in excess of a reasonable interpretation of relevant tax laws and regulations.

➤ [Our approach to taxes](#)

➤ [Tax strategy](#)



Disclosures



What's in this section?

This section provides a comprehensive overview of Corteva's sustainability performance and disclosures. It serves as a reference for stakeholders seeking insights into our progress and alignment with leading frameworks.

In this section:






- [Innovation glossary](#)
- [GRI content index](#)
- [SASB index](#)
- [Climate index](#)
- [Nature index](#)
- [UNGC communication on progress](#)
- [Data](#)

Innovation glossary

The below detailed glossary highlights our industry-leading pipeline and in-market seed and crop protection sustainable innovation highlights.

Crop protection, biologicals and seed criteria key

For new Corteva products, we have established thresholds for each sustainable innovation criteria to deliver a notable sustainability advantage. Below is a summary of our crop protection and seed thresholds, accompanied by a glossary of Corteva innovations that have met these standards.

Sustainable innovation category	Sustainable innovation criteria	Biologicals				
		Crop protection	Seeds	BioStimulant	BioControl (microbial)	BioControl (metabolites, extracts, etc.)
6 CLEAN WATER AND SANITATION 	Improve water quality	Reduced risk to groundwater relative to at least one target benchmark		Enables more efficient use of fertilizers		Reduced risk to groundwater relative to at least one target benchmark
	Increase water-use efficiency		Improves crop productivity per unit of water, compared to current standard	Improves crop productivity per unit of water compared to current standard		
12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	Reduce waste and improve product application efficiency	Low use rate compound (<100 g/ha or 25% reduction vs benchmark) and/or reduces the number of applications per season				Low use rate compound (<100 g/ha or 25% reduction vs benchmark) and/or reduces the number of applications per season
	Use safer materials in manufacturing and finished products	Formulation provides better hazard classification over at least one target benchmark				
	Use sustainably sourced renewable inputs	Natural or naturally-derived product produced via fermentation		Natural or naturally-derived product produced via fermentation	Natural or naturally-derived product produced via fermentation	Natural or naturally-derived product produced via fermentation
13 CLIMATE ACTION 	Reduce greenhouse gas (GHG) emissions		The product enables a reduction in greenhouse gases vs baseline standard production			
15 LIFE ON LAND 	Improve soil quality or restore degraded land	Reduced environmental persistence relative to at least one target benchmark	The product enables improved soil function vs baseline standard production	The product enables improved soil quality vs baseline standard production		Reduced environmental persistence relative to at least one target benchmark
	Protect biodiversity and ecosystems	Reduced risk to non-target organisms relative to at least one target benchmark	The product improves or sustains safety on non-target organisms		Negligible risk to non-target organisms	Reduced risk to non-target organisms relative to at least one target benchmark
2 ZERO HUNGER 	Improve resilience of agricultural production	Novel or underutilized mode of action in target market for resistance management	Improves yield measured by genetic gain	Improve yield/acre measured by on-farm productivity; yield improvement via improved plant performance or stress mitigation	Differentiated mode of action in target market for resistance management	Novel or underutilized mode of action in target market for resistance management

In-market innovations

Rinskor™ active CP

Description

Helps farmers control a broad spectrum of weeds, including resistant weeds, at very low use rates compared to other commonly used herbicides.

Use cases

Broadleaf, grass, and sedge weed control

References

[Learn more about Rinskor](#)

Key sustainable innovation criteria that meet thresholds



Novel or underutilized mode of action in target market



Active reduces risk for groundwater relative to at least one target benchmark



Use rate in target crop at <100 g/ha



Active has less environmental persistence relative to at least one target benchmark

Active reduces risk to non-target organisms relative to at least one target benchmark

Reklemel™ active CP

Description

Selective nematicide that targets plant-parasitic nematodes without disrupting soil's beneficial organisms. Registered under EPA's updated policy with Endangered Species Act assessments.

Use cases

Plant-parasitic nematode control

References

[Learn more about Reklemel](#)

Key sustainable innovation criteria that meet thresholds



Novel or underutilized mode of action in target market



Active reduces risk for groundwater relative to at least one target benchmark



Use rate in target crop at <100 g/ha



Active has less environmental persistence relative to at least one target benchmark

Active reduces risk to non-target organisms relative to at least one target benchmark

In-market innovations continued

Arylex™ active CP

Description

Herbicide that controls broadleaf weeds in various crops. Works in diverse environmental conditions, degrades rapidly in soil, allowing for more crop rotation and cover crop options.

Use cases

Broadleaf weed control

References

[➔ Learn more about Arylex](#)

Key sustainable innovation criteria that meet thresholds



Novel or underutilized mode of action in target market



Active reduces risk for groundwater relative to at least one target benchmark



Use rate in target crop at <100 g/ha

Active has less environmental persistence relative to at least one target benchmark



Active reduces risk to non-target organisms relative to at least one target benchmark

Adavelt™ active CP

Description

First broad-spectrum picolinamide fungicide against ascomycetes pathogens in major crops worldwide. Offers preventive and curative efficacy, providing consistent plant protection and flexibility in crop management.

Use cases

Broad-spectrum disease control

References

[➔ Learn more about Adavelt](#)

Key sustainable innovation criteria that meet thresholds



Novel or underutilized mode of action in target market



Active reduces risk for groundwater relative to at least one target benchmark



Use rate in target crop at <100 g/ha

Active has less environmental persistence relative to at least one target benchmark



Active reduces risk to non-target organisms relative to at least one target benchmark

In-market innovations continued

Conkesta E3® soybeans CP, S

Description

Delivers innovation in seed, chemistry formulations, and stewardship. They provide farmers with a much-needed solution to increase their harvest while addressing complex challenges such as insect resistance.

Use cases

Provides the flexibility needed in soybean program weed control

References

➔ [Learn more about Conkesta E3® soybeans](#)

Key sustainable innovation criteria that meet thresholds



Improve yield measured by genetic gain



Improve crop productivity per unit of water, compared with current standard



Improve or sustain safety on non-target organisms

AcreNext® direct seeded rice S

Description

Integrated direct seeded rice program. Hybrid seed has increased yield, can be planted using mechanized sowing services directly into the field, and is compatible with highly efficient crop protection solutions that do not require flooding fields for weed control. This comprehensive offering helps farmers produce healthier rice crops that mature faster with increased yields, while being less water and labor intensive.

Use cases

Grow rice in water-limited environments

References

➔ [Learn more about AcreNext® direct seeded rice](#)

Key sustainable innovation criteria that meet thresholds



Improve yield measured by genetic gain



Improve crop productivity per unit of water, compared with current standard



Reduce GHG vs baseline standard production



Improve or sustain safety on non-target organisms

In-market innovations continued

PowerCore® Enlist® corn CP, S

Description

Comprehensive trait package for above-ground pests and weed management. Features three modes of action against above-ground insect pests for broad-spectrum and long-lasting control. Tolerance to multiple herbicides – including glyphosate, glufosinate, 2,4-D choline, and FOPS – gives flexibility in herbicide choice and management practices to help maximize yield.

Use cases

Controls above-ground insects and the toughest weeds all season long

References

[Learn more about PowerCore® Enlist® corn](#)

Key sustainable innovation criteria that meet thresholds



Improve yield measured by genetic gain



Improve crop productivity per unit of water, compared with current standard



Improve or sustain safety on non-target organisms

Vorceed™ Enlist® corn CP, S

Description

Corn that combines next-generation corn rootworm protection with the power of the Enlist weed control system to give farmers the flexibility to manage the toughest insects and weeds with minimal physical drift.

Use cases

Three modes of action to manage corn rootworm in the corn seed

Enlist weed control system

References

[Learn more about Vorceed™ Enlist® corn](#)

Key sustainable innovation criteria that meet thresholds



Improve yield measured by genetic gain



Improve crop productivity per unit of water, compared with current standard



Improve or sustain safety on non-target organisms

In-market innovations continued

Optimum® GLY canola CP, S

Description

Advanced herbicide-tolerant trait technology in canola. It delivers excellent yield potential and agronomic trait performance, improved crop safety, enhanced weed control, and a wider window of application.

Use cases

Enables flexibility in herbicide timing

Broader spectrum weed control

Improved crop safety

References

➔ [Learn more about Optimum® GLY canola](#)

Key sustainable innovation criteria that meet thresholds



Improve yield measured by genetic gain



Improve crop productivity per unit of water, compared with current standard



Improve or sustain safety on non-target organisms

Pyrexalt™ active CP

Description

Highly selective and effective option for planthopper control in rice. When used early in the season and once economic threshold has been reached, Pyrexalt protects rice against planthopper infestation for up to 21 days, helping farmers improve yield.

Use cases

Controls planthoppers in rice

References

➔ [Learn more about Pyrexalt™ active](#)

Key sustainable innovation criteria that meet thresholds



Novel or underutilized mode of action in target market



Active reduces risk for groundwater relative to at least one target benchmark



Use rate in target crop at <100 g/ha

Active has less environmental persistence relative to at least one target benchmark



Active reduces risk to non-target organisms relative to at least one target benchmark

In-market innovations continued

Inatreq™ active CP

Description

A naturally derived fungicide for cereal crops and bananas. With optimized formulation and uniform leaf surface coverage, Inatreq active offers low usage rates and fast biodegradation with application flexibility and superior efficacy – improving yield potential with long residual performance for preventive treatments.

Use cases

Fungicide for wheat and banana crops

References

➔ [Learn more about Inatreq™ active](#)

Key sustainable innovation criteria that meet thresholds



Novel or underutilized mode of action in target market



Active reduces risk for groundwater relative to at least one target benchmark



Use rate in target crop at <100 g/ha

Active has less environmental persistence relative to at least one target benchmark



Active reduces risk to non-target organisms relative to at least one target benchmark

Plenish® high-oleic soybeans S

Description

A soybean that produces an oil with exceptional stability and improved nutrition suitable for food service and food manufacture applications without the need for hydrogenation, which is traditionally needed to stabilize the oil and leads to trans fat. As a result, this oil has become the industry standard and has less saturated fat and one of the highest amounts of heart-healthy monosaturated fat available in soy. LCA has demonstrated that the increased stability and life of the oil in restaurant use can reduce key environmental impacts compared with conventional oils.

Use cases

Healthier soybean oil

References

➔ [Learn more about Plenish® high-oleic soybeans](#)

Key sustainable innovation criteria that meet thresholds



Improve yield measured by genetic gain



Improve crop productivity per unit of water, compared with current standard



Improve or sustain safety on non-target organisms

In-market innovations continued

Optimum® AQUAmax® S

Description

A corn hybrid with key native traits to help improve performance in water-limited environments and protect against yield loss, regardless of that season’s growing conditions.

Use cases

Protects corn against drought stress

References

[↗ Learn more about AQUAmax®](#)

Key sustainable innovation criteria that meet thresholds

- 2

CLIMATE

Improve yield measured by genetic gain
- 6

WATER

Improve crop productivity per unit of water, compared with current standard
- 15

ENVIRONMENT

Improve or sustain safety on non-target organisms

Winter canola S

Description

Adding winter canola to a rotation provides a cover crop that can enhance soil health by holding more nutrients, water, and carbon in the soil.

Use cases

Second crop for biofuel production

Cover crop that can hold more nutrients, water, and carbon for greater soil health

References

[↗ Learn more about Winter canola](#)

Key sustainable innovation criteria that meet thresholds

- 13

CLIMATE

Reduce GHG vs baseline standard production
- 15

ENVIRONMENT

Improve or sustain safety on non-target organisms

CP = Crop Protection S = Seed

Pipeline innovations

Reduced stature corn S

Description

Reduced stature corn is expected to improve yield potential and make the stalk shorter and stronger, which provides added benefits like increased climate resilience, resistance to extreme weather events, tolerance to higher plant density, better standability, and all-season equipment access to our high-yielding germplasm.

Use cases

Easier ground access for planting equipment

Corn in areas where lodging due to strong winds is a concern

References

➔ [Learn more about Reduced stature corn](#)

Key sustainable innovation criteria that meet thresholds



Improve yield measured by genetic gain



Improve or sustain safety on non-target organisms

Haviza™ active CP

Description

Third-generation novel picolinamide fungicide by Corteva for Asian soybean rust and late-cycle diseases. Requires low quantities and has an excellent environmental profile.

Use cases

Targeted disease control

References

➔ [Learn more about Haviza™ active](#)

Key sustainable innovation criteria that meet thresholds



Novel or underutilized mode of action in target market



Active reduces risk for groundwater relative to at least one target benchmark



Use rate in target crop at <100 g/ha

Active has less environmental persistence relative to at least one target benchmark



Active reduces risk to non-target organisms relative to at least one target benchmark

Pipeline innovations continued

Amino acid-enhanced soybeans S

Description

Soybean varieties with greater protein content, optimized amino acid profiles, and lower levels of anti-nutritional factors.

Use cases

Specifically suited for poultry, swine, and aqua feed

References

[➤ Learn more about Amino acid-enhanced soybeans](#)

Key sustainable innovation criteria that meet thresholds



Improve yield measured by genetic gain



Improve crop productivity per unit of water, compared with current standard



Improve or sustain safety on non-target organisms

CP = Crop Protection S = Seed

Biological product highlights

The below are highlights of our recent biological innovations in our pipeline, as well as in-market innovations through the recent acquisitions of Symborg and Stoller.

Masterfix™ plant growth regulator

Description

The Masterfix line is made up of nitrogen-fixing inoculants. It has registration for several crops, including soybeans, beans, corn, and rice.

➤ [Learn more about Masterfix™ family of products](#)

Use cases

- Enhanced seedling emergence and seedling vigor
- Enhances nodulation with improved biological nitrogen fixation and less reliance on nitrogen fertilizer
- Promotes overall plant growth, productivity, and profitability

Stimulate™ plant growth regulator

Description

Stimulate products are novel combinations of plant growth regulators, which act synergistically to optimize overall plant productivity.

➤ [Learn more about Stimulate™ family of products](#)

Use cases

- Enhanced and synchronized seedling emergence and vigor
- Promotes root growth, biomass accumulation, and improved access to plant nutrients in the soil
- Enhances resilience across a wide range of growing conditions
- Promotes overall plant growth, productivity, and profitability

Utrisha™ N nitrogen stabilizer

Description

First live biostimulant verified by the USDA under its process verified program in 2023. It is a nutrient efficiency optimizer that fixes nitrogen from the air and converts it for the plant.

➤ [Learn more about Utrisha™ N](#)

Use cases

- Natural bacteria that supplements nitrogen availability to the plant throughout the crop cycle in an effective way
- Enhances nitrogen use efficiency and improves crop nutrition
- Improves productivity and profitability

Biological product highlights continued

MycoUp® and MycoUp® 360 biological inoculants

Description

Mycorrhizae product that enhances soil health and water use efficiency.

Use cases

- Mycorrhizal colonization expands effective root zone by enhancing root growth and creating a hyphae network that improves water and nutrient uptake by the plants
- Enhances yield and quality of specialty crops
- Improves physical, chemical, and microbial properties of the soil

➤ [Learn more about MycoUp® and MycoUp® 360](#)

Resid™ MG and Resid™ HC biological inoculants

Description

Mycorrhizae product that enhances soil health and water use efficiency.

Use cases

- Expands effective root zone by enhancing root growth and subsequently improves water and nutrient uptake by promoting mycorrhizal colonization
- Enhances broadacre crop yields and quality
- Improves physical, chemical, and microbial properties of the soil

➤ [Learn more about Resid™ MG and Resid™ HC](#)

Sosdia™ Stress

Description

Contains a natural amino acid called proline to protect plant cells, reduce water loss and improve stomata function which helps crops thrive even under challenging conditions.

Use cases

- Preparation for drought or high temperature stress
- Increases water use efficiency

➤ [Learn more about Sosdia™](#)

Biological product highlights continued

Omsugo™ P plant growth regulator

Description

A family of microbial products targeting phosphorus solubilization and plant root growth promotion.

[↗ Learn more about Omsugo™](#)

Use cases

- Improves solubility of inorganic and insoluble forms of phosphorus
- Improves phosphorus availability and increasing uptake
- Increases phosphorus use efficiency

GRI content index

Corteva Agriscience reports with reference to the Global Reporting Initiative (GRI) Standards for the reporting period January 1 to December 31, 2024. Standards applied: GRI 1 Foundation 2021, Sector Standard GRI 13: Agriculture Sector 2022.

GRI 2: General Disclosures (2021)

Disclosure number	Disclosure name	Section reference	Location
2-1	Organization details	About this Report	→ Sustainability report
		Geographic Information (F-64)	↗ Annual report
		Item 1: Business	
		Country Selector	↗ Website
2-2	Entities included in the organization's sustainability reporting	Item 1: Business	↗ Annual report
2-3	Reporting period, frequency, and contact point	About this Report	→ Sustainability report
2-4	Restatements of information		
2-5	External assurance		
2-6	Activities, value chain, and other business relationships	Item 1: Business	↗ Annual report
		Business Overview	→ Sustainability report
		Products and Services	↗ Website
2-7	Employees	Item 1: Business	↗ Annual report
2-9	Governance structure and composition	Governance and Risk	→ Sustainability report
		Voting and Attendance Procedures	↗ Proxy statement
		Governance, Board Committees, Board Composition	
2-10	Nomination and selection of the highest governance body	Corporate Governance	
		Corporate Governance Guidelines	
2-11	Chair of the highest governance body	Corporate Governance Policies	
2-12	Role of the highest governance body in overseeing the management of impacts	Board Composition	
		Corporate Governance Policies	↗ Website
		Governance and Risk	→ Sustainability report
2-13	Delegation of responsibility for managing impacts	Bylaws of Corteva, Inc.	↗ Website
2-14	Role of the highest governance body in sustainability reporting	Governance and Risk	→ Sustainability report
		Board of Directors and Board Committee Sustainability Governance	

GRI content index continued

GRI 2: General Disclosures (2021) continued

Disclosure number	Disclosure name	Section reference	Location
2-15	Conflicts of interest	Related Person Transactions, Director Nominees, Compensation Committee Interlocks and Insider Participation	➔ Proxy statement
		Corporate Governance Guidelines	
		Director Employee Code of Conduct	➔ Director Code of Conduct
		Corteva Employee Code of Conduct	➔ Employee Code of Conduct
		Corteva Code of Financial Ethics	➔ Website
2-16	Communication of critical concerns	Sustainability Values and Initiatives	➔ Proxy statement
2-17	Collective knowledge of the highest governance body	Board Composition	
2-18	Collective knowledge of the highest governance body	Corporate Governance Policies	
2-19	Remuneration policies	Compensation Discussion & Analysis	
2-20	Process to determine remuneration	Compensation Discussion & Analysis	
2-21	Annual total compensation ratio	CEO Pay Ratio	
2-22	Statement on sustainable development strategy	Executive Summary	➔ Sustainability report
2-23	Policy commitments	UN Global Compact Commitment of Progress	➔ Sustainability report
		Corteva Employee Code of Conduct	➔ 6-30, see 15 for our expectations for partners including suppliers
2-28	Membership associations	External Initiatives, Memberships and Partnerships	➔ Position statements
2-29	Approach to stakeholder engagement	Stakeholder Engagement and Sustainability Materiality	➔ Sustainability report
		Item 1: Business	➔ Annual report
		Engagement	➔ Proxy statement
		Future Agriculture Workforce	➔ Position statement
2-30	Collective bargaining agreements	Item 1: Business	➔ Annual report

GRI content index continued

GRI 3: Material Topics (2021)

Disclosure number	Disclosure name	Section reference	Location
3-1	Process to determine material topics	Stakeholder Engagement and Sustainability Materiality	→ Sustainability report
3-2	List of material topics	Precautionary Approach/UN Global Compact Principle 7	
3-3	Management of material topics	Item 1: Business	↗ Annual report

GRI 201: Economic Performance (2016)

Disclosure number	Disclosure name	Section reference	Location
201-1	Direct economic value generated and distributed	Item 1A. Risk Factors	↗ Annual report
201-2	Financial implications and other risks and opportunities due to climate	Item 7: Management's Discussion and Analysis of Financial Condition and Results of Operations GHG Governance, Risk Management, and Performance	→ Sustainability report
103	Management approach	Food Security	

GRI 203: Indirect Economic Impacts (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Food Security Engaging with Communities	→ Sustainability report
203-2	Significant indirect economic impacts	Food Security	

GRI 204: Procurement Practices (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Corteva Supplier Center	↗ Website
		Due Diligence Processes	→ Sustainability report
		Page 5, 12-13, 15-17, 26, 31, 21; see page 15 for our expectations for partners including suppliers	↗ Employee Code of Conduct

GRI content index continued

GRI 205: Anti-corruption (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Page 2-3	➔ Supplier Code of Conduct
205-2	Communication and training about anti-corruption policies and procedures	Page 32-33	
		Page 31-32	➔ Employee Code of Conduct
		Human Capital	➔ Sustainability report
103	Management approach	Page 5-6	➔ Director Code of Conduct

GRI 206: Anti-competitive Behavior (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	12-19, 31-32; see page 15 for our expectations for partners including suppliers	➔ Employee Code of Conduct
		Page 2-3	➔ Supplier Code of Conduct
206-1	Legal actions for anti-competitive behavior, anti-trust, and monopoly practices	Item 3: Legal Proceedings	➔ Annual report

GRI 301: Materials (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Circular Economy	➔ Sustainability report
301-1	Materials use by weight or volume		
301-3	Reclaimed products and their packaging materials		

GRI content index continued

GRI 302: Energy (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	GHG Governance, Risk Management, and Performance	→ Sustainability report
302-1	Energy consumption within the organization	Scope 1 & 2 Emissions	→ Sustainability report

GRI 303: Water and Effluents (2018)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Our Product Stewardship	→ Sustainability report
303-1	Interactions with water as a shared resource	Governance, Risk Management, and Performance	
303-2	Management of water discharge-related impacts	Nature Risk Oversight	
303-3	Water withdrawal		
303-4	Water discharge		
303-5	Water consumption		

GRI 304: Biodiversity (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Nature Risk Oversight	→ Sustainability report
304-2	Significant impacts of activities, products, and services on biodiversity		
304-3	Habitats protected or restored		

GRI content index continued

GRI 305: Emissions (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Climate Nature Risk Oversight Circular Economy Our Product Stewardship and Sustainable Innovation Governance, Risk Management, and Performance Circular Economy	→ Sustainability report
306-1	Direct (Scope 1) GHG emissions	Scope 1 & 2 Emissions	
305-2	Energy indirect (Scope 2) GHG emissions		
305-3	Other indirect (Scope 3) GHG emissions	Scope 3 Emissions Circular Economy Our Product Stewardship and Sustainable Innovation Governance, Risk Management, and Performance	
305-4	GHG emissions intensity	Circular Economy	
305-7	Nitrogen oxides, sulfur oxides, and other significant air emissions		

GRI 306: Waste (2020)

Disclosure number	Disclosure name	Section reference	Location
103, 306-1, 306-2	Management approach	Our Product Stewardship Governance, Risk Management, and Performance Circular Economy	→ Sustainability report
306-3	Waste generated in metric tons (hazardous, non-hazardous)	Circular Economy	

GRI content index continued

GRI 307: Environmental Compliance & 419: Socioeconomic Compliance (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Page 6, 18, 19, 21-27	➔ Employee Code of Conduct
		Pages 1-2	➔ Supplier Code of Conduct
307-1, 419-1	Non-compliance with laws and regulations in the social and economic area	Item 3: Legal Proceedings	➔ Annual report

GRI 308: Supplier Environmental Assessment & 414: Supplier Social Assessment (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Our Product Stewardship	➔ Sustainability report
		Governance, Risk Management, and Performance	
		Item 1. Business	➔ Annual report
308-1	New suppliers that were screened using environmental criteria	Supplier Economic and Due Diligence Activities	➔ Sustainability report
414-1	New suppliers that were screened using environmental criteria		

GRI 401: Employment (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Human Capital	➔ Sustainability report
401-3	Parental leave	Why Join Us: Parental Leave	➔ Website

GRI content index continued

GRI 403: Occupational Health and Safety (2018)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Our Employee Safety	→ Sustainability report
403-1	Occupational health and safety management system		
403-5	Worker training on employee health and safety	Human Capital	→ Sustainability report
403-6	Promotion of worker health	Our Employee Safety	↗ Supplier Code of Conduct
403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Code of Conduct; Page 13	↗ Employee Code of Conduct
403-8	Workers covered by an occupational health and safety management system	Page 3; Supplier Code	↗ Supplier Code of Conduct
403-9	Work-related incidents and frequency rates	Our Employee Safety	↗ Sustainability report

GRI 404: Training and Education (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Our Employee Safety	→ Sustainability report
404-1	Average hours of training per year per employee	Human Capital Management	↗ Proxy statement
404-2	Programs for upgrading employee skills and transition assistance programs	Human Capital	→ Sustainability report
103	Management approach	Human Capital Management	↗ Proxy statement

GRI content index continued

GRI 405: Diversity and Equal Opportunity (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Item 1: Business	➔ Annual report
		Culture of Belonging	➔ Website
		Human Capital	➔ Sustainability report
		Code of Conduct; Page 9	➔ Employee Code of Conduct
405-1	Diversity of governance bodies and employees	Board Composition, Director Nominees	➔ Proxy statement
		Workforce Demographics	➔ Sustainability report

GRI 406: Non-discrimination (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Page 2	➔ Supplier Code of Conduct
		Code of Conduct; Page 8-11; see page 15 page for our expectations for partners including suppliers	➔ Employee Code of Conduct
406-1	Incidents of discrimination and corrective actions taken	Human Capital	➔ Sustainability report

GRI 408: Child Labor (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Page 1	➔ Supplier Code of Conduct
		Child and Forced Labor	➔ Corteva statement
		Code of Conduct; Page 8-11; see page 15 page for our expectations for partners including suppliers	➔ Employee Code of Conduct
408-1	Operations and suppliers at significant risk for incidents of child labor	Our Product Stewardship Governance, Risk Management, and Performance Human Capital	➔ Sustainability report

GRI content index continued

GRI 409: Forced or Compulsory Labor (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Page 1	➔ Supplier Code of Conduct
		Child and Forced Labor	➔ Corteva statement
		Code of Conduct; Page 8–11; see page 15 page for our expectations for partners including suppliers	➔ Employee Code of Conduct
409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	Human Capital	➔ Sustainability report

GRI 412: Human Rights Assessment (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Human Capital	➔ Sustainability report
		Engaging with Communities	
		Corteva Board Committees	
		Human Capital Management	➔ Proxy statement
		Code of Conduct; Page 8–11; see page 15 for our expectations for partners including suppliers	➔ Employee Code of Conduct
		Supplier Code of Conduct	➔ Supplier Code of Conduct
412-2	Employee training on human rights policies or procedures	Human Capital	➔ Sustainability report
		Engaging with Communities	
		Code of Conduct; Page 28–32	➔ Employee Code of Conduct
413-1	Operations with local community engagement, impact assessments, and development programs	Engaging with Communities	➔ Sustainability report

GRI content index continued

GRI 415: Public Policy (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Political Activities	➔ Proxy statement
		U.S. Political Disclosures	➔ Website
		Our Product Stewardship	➔ Sustainability report
		Governance, Risk Management, and Performance	
413-1	Political contributions	U.S. Political Disclosures	➔ Website

GRI 416: Customer Health & Safety (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Our Product Stewardship	➔ Sustainability report
		Governance, Risk Management, and Performance	
		Code of Conduct; Page 12,18	➔ Employee Code of Conduct
416-1	Assessment of the health and safety impacts and services categories	Our Product Stewardship	➔ Sustainability report
		Governance, Risk Management, and Performance	
		Our Product Stewardship	➔ Website

GRI 417: Marketing and Labeling (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Our Product Stewardship	➔ Sustainability report
		Governance, Risk Management, and Performance	
		Anti-counterfeiting and Brand Protection	➔ Employee Code of Conduct
417-1	Requirements for product and service information and labeling	Our Product Stewardship	➔ Sustainability report
		Governance, Risk Management, and Performance	
		Bringing transparency to regulatory safety data	➔ Website

GRI content index continued

GRI 418: Customer Privacy (2016)

Disclosure number	Disclosure name	Section reference	Location
103	Management approach	Corteva Global Privacy Policy	↗ Website
418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data	Information Security & Privacy	→ Sustainability report

SASB index

We report against the requirements of the SASB Chemicals Sustainability Standard (2018).

SASB Chemicals Sustainability Standard (2018) Code	Topic	Metric	Location of Reference
RT-CH-110a.1	Greenhouse Gas Emissions	Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations	→ GHG Emissions
RT-CH-110a.2	Greenhouse Gas Emissions	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	→ Climate Strategy
RT-CH-120a.1	Air Quality	Air emissions of the following pollutants: (1) NO _x (excluding N ₂ O)	→ Air Emissions
RT-CH-120a.1	Air Quality	Air emissions of the following pollutants: (2) SO _x	
RT-CH-120a.1	Air Quality	Air emissions of the following pollutants: (3) volatile organic compounds (VOCs)	
RT-CH-120a.1	Air Quality	Air emissions of the following pollutants: (4) hazardous air pollutants (HAPs)	
RT-CH-130a.1	Energy Management	(1) Total energy consumed	→ Energy Consumption
RT-CH-130a.1	Energy Management	(2) Percentage grid electricity	
RT-CH-130a.1	Energy Management	(3) Percentage renewable	
RT-CH-130a.1	Energy Management	(4) Total self-generated energy	
RT-CH-140a.1	Water Management	(1) Total water withdrawn	→ Water Consumption
RT-CH-140a.1	Water Management	(2) Total water consumed	
RT-CH-140a.1	Water Management	Quantitative percentage of water withdrawn in regions with High or Extremely High Baseline Water Stress	
RT-CH-140a.1	Water Management	Quantitative percentage of water consumed in regions with High or Extremely High Baseline Water Stress	
RT-CH-140a.2	Water Management	Number of incidents of non-compliance associated with water quality permits, standards, and regulations	
RT-CH-140a.3	Water Management	Description of water management risks and discussion of strategies and practices to mitigate those risks	

SASB index continued

SASB Chemicals Sustainability Standard (2018) Code	Topic	Metric	Location of reference
RT-CH-150a.1	Hazardous Waste Management	Amount of hazardous waste generated, percentage recycled	→ Water Generation
RT-CH-210a.1	Community Relations	Discussion of engagement processes to manage risks and opportunities associated with community interests	→ Engaging with Communities
RT-CH-320a.1	Workforce Health & Safety	(1) Total recordable incident rate (TRIR)	→ Occupational Health and Safety
RT-CH-320a.1	Workforce Health & Safety	(2) fatality rate for (a) direct employees	
RT-CH-320a.1	Workforce Health & Safety	(2) fatality rate for (b) contract employees	
RT-CH-320a.2	Workforce Health & Safety	Description of efforts to assess, monitor, and reduce exposure of employees and contract workers to long-term (chronic) health risks	
RT-CH-410a.1	Product Design for Use-phase Efficiency	Revenue from products designed for use-phase resource efficiency	→ Product Stewardship
RT-CH-410b.1	Safety & Environmental Stewardship of Chemicals	(1) Percentage of products that contain Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Category 1 and 2 Health and Environmental Hazardous Substances	While we conduct hazard assessments on required products, the requested information is confidential.
RT-CH-410b.1	Safety & Environmental Stewardship of Chemicals	(2) percentage of such products that have undergone a hazard assessment	While we conduct hazard assessments on required products, the requested information is confidential.
RT-CH-410b.2	Safety & Environmental Stewardship of Chemicals	Discussion of strategy to (1) manage chemicals of concern	→ Product Stewardship

SASB index continued

SASB Chemicals Sustainability Standard (2018) Code	Topic	Metric	Location of reference
RT-CH-530a.1	Management of the Legal & Regulatory Environment	Discussion of corporate positions related to government regulations and/or policy proposals that address environmental and social factors affecting the industry	→ Political Giving & Public Policy
RT-CH-540a.1	Operational Safety, Emergency Preparedness & Response	Process Safety Incidents Count (PSIC)	→ Occupational Health and Safety
RT-CH-540a.1	Operational Safety, Emergency Preparedness & Response	Process Safety Total Incident Rate (PSTIR)	
RT-CH-540a.1	Operational Safety, Emergency Preparedness & Response	Process Safety Incident Severity Rate (PSISR)	

Climate index

1. Governance: Disclosure of the organization's governance and climate-related risks and opportunities.

Recommended disclosure

- Describe the Board's oversight of climate-related risks and opportunities.
- Describe management's role in assessing and managing climate-related risks and opportunities.

Reference

- [Delivering sustainable innovation to the farmgate](#)
- [How we approach sustainable innovation](#)
- [Climate & GHG emissions governance and risk oversight](#)

2. Strategy: Disclosure of the actual and potential impacts of climate-related risks and opportunities on the organization's business, strategy, and financial planning where such information is material.

Recommended disclosure

- Describe the climate-related risks and opportunities the organization has identified over the short, medium, and long term.
- Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy, and financial planning.
- Describe the resilience of the organization's strategy, taking into consideration different climate related scenarios, including a 2°C or lower scenario.

Reference

- [Climate at a glance](#)
- [Reducing operational emissions](#)

3. Risk management: Disclosure of how the organization identifies, assesses, and manages climate-related risks.

Recommended disclosure

- Describe the organization's processes for identifying and assessing climate-related risks.
- Describe the organization's processes for managing climate-related risks.
- Describe how processes for identifying, assessing, and managing climate-related risks are integrated into the organization's overall risk management.

Reference

- [Climate & GHG emissions governance and risk oversight](#)

Climate index continued

4. Metrics and targets: Disclosure of the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.

Recommended disclosure	Reference
<ul style="list-style-type: none">• Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.• Disclose Scope 1, Scope 2, and, if appropriate, Scope 3 GHG emissions, and the related risks.• Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets.	<p>→ Progress toward our climate goal</p> <p>→ Climate data</p>

Nature index

1. Governance: Disclose the organization's governance of nature-related dependencies, impacts, and opportunities.

Recommended disclosure

- Describe the Board's oversight of nature-related dependencies, impacts, and opportunities.
- Describe management's role in assessing and managing nature-related dependencies, impacts, and opportunities.
- Describe the organization's human rights policies and engagement activities, and oversight by the Board and management, with respect to indigenous peoples, local communities, affected, and other stakeholders, in the organization's assessment of, and response to, nature-related dependencies, impacts, and opportunities.

Reference

- [Sustainability governance](#)
- [Nature in our value chain](#)

2. Strategy: Disclose the effects of nature-related dependencies, impacts, and opportunities on the organization's business model, strategy, and financial planning, where such information is material.

Recommended disclosure

- Describe the nature-related dependencies, impacts, and opportunities the organization has identified over the short, medium, and long term.
- Describe the effect nature-related dependencies, impacts, and opportunities have had on the organization's business model, value chain, strategy, and financial planning, as well as any transition plans or analysis in place.
- Describe the resilience of the organization's strategy to nature-related risks and opportunities, taking into consideration different scenarios.
- Disclose the locations of assets and/or activities in the organization's direct operations and, where possible, upstream and downstream value chain(s) that meet the criteria for priority locations.

Reference

- [Biodiversity strategy](#)
- [Sustainable innovation strategy](#)
- [Biodiversity, water, and nature](#)

Nature index continued

3. Risk management: Describe the processes used by the organization to identify, assess, prioritize, and monitor nature-related dependencies, impacts, risks, and opportunities.

Recommended disclosure

- Describe the organization's processes for identifying, assessing, and prioritizing nature-related dependencies, impacts, and opportunities in its direct operations.
- Describe the organization's processes for identifying, assessing, and prioritizing nature-related dependencies, impacts, and opportunities in its upstream and downstream value chain.
- Describe the organization's processes for managing nature-related dependencies, impacts, and opportunities.
- Describe how processes for identifying, assessing, prioritizing, and monitoring nature-related risks are integrated into and inform the organization's overall risk management processes.

Reference

- [Biodiversity, water, and nature](#)
- [Materiality assessment](#)
- [Risk assessment](#)
- [Product stewardship](#)

4. Metrics and targets: Disclose the metrics and targets used to assess and manage material nature-related dependencies, impacts, and opportunities.

Recommended disclosure

- Disclose the metrics used by the organization to assess and manage material nature-related risks and opportunities in line with its strategy and risk management process.
- Disclose the metrics used by the organization to assess and manage dependencies and impacts on nature.
- Describe the targets and goals used by the organization to manage nature-related dependencies, impacts, and opportunities and its performance against these.

Reference

- [Biodiversity data](#)
- [Climate data](#)
- [Non-GHG air emissions data](#)
- [Water data](#)
- [Waste data](#)

UNGC communication on progress

Corteva endorses and actively upholds the principles outlined in the United Nations Global Compact.

The UNGC is the largest international sustainability initiative, supporting companies to:

1. Do business responsibly by aligning their strategies and operations with ten principles on human rights, labor, environment, and anti-corruption, and
2. Take strategic actions to advance broader societal goals, such as the UN SDGs, with an emphasis on collaboration and innovation

UNGC Principle	Actions
Statement of support	
Statement by the chief executive expressing continued support for the Global Compact and renewing the participant's ongoing commitment to the initiative and its principles	➔ Letter of Commitment
Actions and measurement	
Principle 1: Business should support and respect the protection of internationally proclaimed human rights	➔ Code of Conduct ➔ Supplier Code of Conduct
Principle 2: Make sure that they are not complicit in human rights abuses	➔ Sustainability report – Human Capital
Labor principles	
Principle 3: Business should uphold the freedom of association and the effective recognition of the right to collective bargaining	➔ Child and Forced Labor ➔ Sustainability report – Human Capital
Principle 4: The elimination of all forms of forced and compulsory labor	
Principle 5: The effective abolition of child labor	
Principle 6: The elimination of discrimination in respect of employment and occupation	
Environmental principles	
Principle 7: Business should support a precautionary approach to environmental challenges	➔ Code of Conduct ➔ Supplier Code of Conduct
Principle 8: Undertake initiatives to promote greater environmental responsibility	➔ Sustainability report – Product Stewardship
Principle 9: Encourage the development and diffusion of environmentally friendly technologies	
Anti-corruption principles	
Principle 10: Business should work against corruption in all its forms, including extortion and bribery	➔ Code of Conduct ➔ Supplier Code of Conduct ➔ Sustainability report – Human Capital

Climate data

Climate

Scope 1 and 2 emissions

Type	Description	2020	2023	2024
Scope 1	Gross Scope 1 GHG emissions (MT CO ₂ e)	386,000	370,000	354,000
	Gases included in the calculation	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , and NF ₃		
	Base year	2020		
	Consolidation approach	Corteva's reporting excludes sites where we have less than 50% operational control, as these do not meet our definition of operational control. Corteva excludes most office and administrative buildings (aside from our global business centers) and dedicated warehouses (with no additional onsite operations) as they are immaterial for our total GHG footprint.		
	Source of emissions factors and methodologies used	Since 2020, we've adopted The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) or "GHG Protocol" to guide our emission data collection and calculation methodologies, U.S. EPA Emissions & Generation Resource Integrated Database, and U.S. EPA Mandatory Greenhouse Gas Reporting Rule. The GHG Protocol is our overarching framework for Scope 1, 2, and 3 data. Emission factors and CO ₂ e calculation methodologies have generally been derived from U.S. EPA Mandatory Greenhouse Gas Reporting Rule.		
Scope 2	Gross Scope 2 GHG emissions (MT CO ₂ e)	609,000	561,000	558,000
	Gases included in the calculation	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , and NF ₃		
	Base year	2020		
	Consolidation approach	Corteva's reporting excludes sites where we have less than 50% operational control, as these do not meet our definition of operational control. Corteva excludes most office and administrative buildings (aside from our global business centers) and dedicated warehouses (with no additional onsite operations) as they are immaterial for our total GHG footprint.		
	Source of emissions factors and methodologies used	For Scope 2, we use a blended location-based and market-based methodology approach. Since 2020, we've adopted The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) or "GHG Protocol" to guide our emission data collection and calculation methodologies, U.S. EPA Emissions & Generation Resource Integrated Database, and U.S. EPA Mandatory Greenhouse Gas Reporting Rule. The GHG Protocol is our overarching framework for Scope 1, 2 and 3 data. Emission factors and CO ₂ e calculation methodologies have generally been derived from U.S. EPA Mandatory Greenhouse Gas Reporting Rule and the U.S. EPA eGRID.		

Climate data continued

Scope 3 emissions

Type	Description	2020	2023	2024
Scope 3	Gross Scope 3 GHG emissions (MT CO ₂ e)	7,047,000	6,190,000	5,451,000
	Gases included in the calculation	CO ₂ , CH ₄ , N ₂ O, HFCs, PFCs, SF ₆ , and NF ₃		
	Base year	2020		
	Consolidation approach	Emissions are presented by Scope 3 Category in alignment with the GHG Protocol: Corporate Value Chain (Scope 3) Accounting and Reporting Standard. The emission sources included in Corteva's current Scope 3 GHG inventory include Categories 1, 2, 3, 4, 5, 6, 7, and 9.		

Greenhouse gas emissions data and net sales for the period ended December 31, 2023 and 2024 utilized in the intensity calculation excludes the impact from the biologicals acquisitions.

Biodiversity data

Pillar 1: Product innovation

Description	2023	2024
Demonstrated biodiversity advantages of Corteva's new products and systems	1,900,000	2,900,000
Unit of measurement	Downstream Acres: This spatial metric is used to quantify the area of land affected, restored, or conserved and tells the physical size of land involved.	
Products and services included in the calculation	LandVisor™ advanced brush management (service), Utrisha™ N nitrogen stabilizer (product)	
Base year	2021	
Consolidation approach	Acres reported include LandVisor treated acres in the United States and Utrisha N applied acres in Corteva's Northern Europe Commercial Unit (United Kingdom, France, Germany, Switzerland, and Belgium).	

Pillar 2: Productivity

Description	2023	2024
Acres that do not need to be converted to agriculture use, due to productivity improvements from Corteva's new technologies in genetic gain.	1,300,000	3,800,000
Unit of measurement	Downstream Acres: This spatial metric is used to quantify the area of land affected, restored, or conserved and tells the physical size of land involved.	
Products and services included in the calculation	North America: Maize, soybean, and canola, Latin America: Maize, soybean, EMEA (excluding Russia): Maize, sunflower, and canola, Asia Pacific (excluding China): Maize, India: Rice	
Base year	2021	
Consolidation approach	The assessment is based on an annual average of crop yield and rolling average of genetic gain data of Corteva technologies from 2021 to 2023. Data is compiled using both public and private datasets.	

Pillar 3: Partnerships

Description	2023	2024
Corteva's strategic partnerships that support biodiversity	1,000,000	1,300,000
Unit of measurement	Upstream and Downstream Acres: This spatial metric is used to quantify the area of land affected, restored, or conserved and tells the physical size of land involved.	
Partnerships in the calculation	Corteva Carbon Initiative (service), National Audubon Society (partnership), Pheasants Forever (partnership), National Fish and Wildlife Foundations (partnership)	
Base year	2021	
Consolidation approach	Acres enrolled in Corteva Carbon Initiative and acres supported through National Audubon Society, Pheasants Forever and National Fish and Wildlife Foundation partnerships.	

Biodiversity Data continued

Pillar 4: Operations

Description	2023	2024
Adoption of more favorable practices at Corteva facilities and production fields	N/A	13,000
Unit of measurement	Direct Operation Acres: This spatial metric is used to quantify the area of land affected, restored, or conserved and tells the physical size of land involved.	
Products and services included in the calculation	R&D, seed production, and crop protection manufacturing sites	
Base year	2023	
Consolidation approach	This spatial metric measures the acres with biodiversity-supporting practices such as soil health initiatives, habitat enhancement, conservation, or restoration, which are actively being implemented on Corteva-owned land.	

Total

Description	2023	2024
Acres	4,200,000	8,000,000

Water data

Water consumption

	2022 million gallons	2023 million gallons	2024 million gallons
A: Withdrawal: Total municipal water supplies (or from other water utilities)	3,023	3,173	3,532
B: Withdrawal: Fresh surface water (lakes, rivers, etc.)	536	340	257
C: Withdrawal: Fresh groundwater	490	484	805
D: Withdrawal: Irrigation (from municipal, surface, and groundwater)	3,556	4,815	2,614
Water shipped offsite for treatment	293	210	139
Total withdrawals (A + B + C + D)	7,605	8,812	7,208
E: Total discharges	1,226	1,245	1,310
Total net freshwater consumption (A + B + C – E – water shipped offsite for treatment)	2,530	2,542	3,145
Withdrawals from areas with high and extreme water stress	611	962	1,212

Waste data

Non-hazardous waste

	2023 metric tons	2024 metric tons
Total waste recycled/reused	1,032,637	973,053
Total waste disposed	1,202,465	1,158,816
Waste landfilled	106,086	168,088
Waste incinerated with energy recovery	261,755	221,746
Waste incinerated without energy recovery	63,742	17,675
Waste otherwise disposed	10,383	4,004

Hazardous waste

	2023 metric tons	2024 metric tons
Total hazardous waste recycled/reused	140,888	56,042
Total hazardous waste disposed	178,319	98,039
Hazardous waste incinerated with energy recovery	17,669	15,193
Hazardous waste incinerated without energy recovery	37,431	41,997
Hazardous waste landfilled	6,144	1,102
Hazardous waste with unknown disposal method	0	0

Current waste and water data presented in this report excludes the impact from the biologicals acquisitions.

Non-GHG air emissions

We continue to enhance reporting functionality to calculate direct air emissions, including nitrous and sulfur oxides, and VOCs from stationary combustion sources and regulatory permitted operations. HAP emissions are determined from global fuel combustion and process emissions at five U.S. Crop Protection manufacturing locations. Current air emissions data presented in this report excludes the impact from the biologicals acquisitions.

Air emissions	2022 metric tons	2023 metric tons	2024 metric tons
Direct nitrous oxides (NOx)	548	517	516
Direct sulfur oxides (SOx)	26	23	24
Direct volatile organic compounds (VOCs)	327	324	310
Direct hazardous air pollutants (HAPs)	62	39	25

Workforce demographics data

	2021	2022	2023 ³	2024
Workforce demographics¹				
Total employees, global	21,000	21,000	22,500	22,000
Percentage of employees by location, global				
North America	48%	49%	46%	47%
Latin America	18%	18%	22%	21%
EMEA	21%	20%	19%	20%
Asia Pacific	13%	13%	13%	12%
Percentage of female employees by level, global				
Share of women in total workforce (as percentage of total workforce)	32%	33%	33%	34%
Share of women in Board of Directors	31%	31%	31%	25%
Share of women in all management positions	29%	30%	31%	31%
Share of women in junior management positions	29%	30%	31%	31%
Share of women in top management positions	27%	33%	32%	32%
Share of women in management positions in revenue-generating functions	20%	23%	23%	24%
Share of women in entry-level positions	40%	41%	42%	43%
Percentage of employees by age group, global				
15-30 years	11%	13%	12%	13%
30-50 years	62%	63%	63%	63%
50+ years	25%	25%	25%	24%
Percentage ethnic diversity by level, United States only²				
Board of Directors (exception, global)	15%	15%	15%	15%
Executive	28%	24%	26%	23%
Senior management	19%	18%	18%	17%
Professional/management	16%	17%	18%	20%
Entry-level	14%	16%	16%	18%
Operations & support	21%	22%	22%	22%
Share of race/ethnicity & nationality, United States only				
Asian	6.3%	6.2%	6.5%	6.9%
Black or African-American	2.9%	3.2%	3.1%	3.1%
Hispanic or Latino	6.7%	7.3%	7.4%	8.0%
White	82.4%	81.4%	81.1%	80.2%
Indigenous or Native	0.4%	0.4%	0.4%	0.4%
Other: Native Hawaiian or other Pacific Islander, and two or more races	1.4%	1.5%	1.5%	1.4%

1. Employees excludes contingent, temporary, seasonal, DuPont Capital Management, fixed-term LSEs, long-term disability.

2. Ethnic diversity is defined by the following parameters: Hispanic or Latino, Black or African-American, Native Hawaiian or Other Pacific Islander, Asian, American Indian or Alaska Native, two or more races.

3. Total Employees and % of employees by location global includes Symborg and Stoller. All other 2023 workforce demographic data presented in this report excludes figures from Symborg and Stoller.

Safety data

Safety performance¹

	Unit	2021	2022	2023	2024 ²
Work-related fatalities – employees	Number	0	0	1	0
Work-related fatality rate for direct employees	Fatalities per 100 employees	0	0	0.004	0
Work-related fatalities – contractors	Number	0	0	0	0
Work-related fatality rate for contract employees	Fatalities per 100 contractors	0	0	0	0
Lost-Time Injury Frequency Rate (LTIFR)	Lost-time injuries per 100 workers	0.08	0.11	0.08	0.09
Process Safety Events: Tier 1	Number per million hours worked	0.00	0.05	0.03	0
Total Recordable Incidents Rate (TRIR)	Injuries per 100 employees	0.36	0.39	0.27	0.30
Process Safety Incidents Count (PSIC)	Number of Tier 1 PSCE events	0	4	2	0
Process Safety Total Incidents Rate (PSTIR)	Tier 1 PSCE events per 200,000 hours worked	0.00	0.01	0.005	0
Process Safety Incident Severity Rate (PSISR)	L1/L21 events PSCE per 200,000 hours worked	0.026	0.020	0.008	0.008

1. Safety data presented in this report excludes the impact from the biologicals acquisitions.

2. 2024 Safety data presented in this report uses available data as of February 28, 2025.

Communities data

Community performance

	2022	2023	2024
– Food security			\$1,787,000
– Agriculture STEM (Science, Technology, Education, Math)			\$3,446,000
– Other			\$6,031,000
Total global cash and in-kind giving (product or services donations, projects/partnerships, or similar)	\$10,000,000	\$10,000,000	\$11,264,000
Total employee volunteering hours	29,100 hrs	31,300 hrs	25,600 hrs
Employee volunteering during paid working hours	17,100 hrs	18,600 hrs	14,000 hrs

Political contributions

	2021	2022	2023	2024
Lobbying, interest representation, or similar	\$2,692,000	\$2,140,000	\$2,424,000	\$2,213,000
Local, regional, or national political campaigns/ organizations/candidates	\$144,000	\$82,000	\$53,000	\$96,000
Trade associations or tax-exempt groups (e.g., think tanks)	\$769,000	\$917,000	\$928,000	\$1,077,000
Other (e.g., spending related to ballot measures or referendums)	\$0	\$0	\$0	\$0
Total contributions and other spending	\$3,606,000	\$3,139,000	\$3,405,000	\$3,386,000

About this report

This report covers progress against our strategic sustainability commitments and targets during the 2024 fiscal year (ending 31 December, 2024). It is structured by material issues identified through stakeholder consultation.

The document is informed by international best practice frameworks and standards, notably the GRI Standards, Sustainability Accounting Standards Board Standard for the Chemical Sector, the Taskforce on Nature-related Financial Disclosures, the Task Force on Climate-related Financial Disclosures, and the UNGC Communication on Progress. The data and information cover the activities of Corteva globally, to the extent possible based on many factors such as enterprise systems or the practicality of capturing data. Where data is not available on a global basis or not provided for a selected entity, it is noted with the data presented. Additional activities related to sustainability topics that we consider “essential business practices” are discussed within this report where relevant.

SGS, an accredited third-party verifier, has conducted limited external assurance of select environmental and social metrics. A separate statement outlining the scope and results from this engagement is provided on our website. Third parties, including nonprofit partners, have compiled, evaluated, or verified certain additional reported data. If a restatement is required, it is explained and noted in text and footnotes in the sustainability report or related data tables. The 2024 sustainability report was published on April 10, 2025.

We welcome all feedback about this report and our wider approach: sustainability@corteva.com.

Investors with questions regarding Corteva should contact our Investor Relations team at (302) 485-3400.

Forward-looking statements

This report contains certain estimates and forward-looking statements within the meaning of Section 21E of the Securities Exchange Act of 1934, as amended, and Section 27A of the Securities Act of 1933, as amended, which are intended to be covered by the safe harbor provisions for forward-looking statements contained in the Private Securities Litigation Reform Act of 1995, and may be identified by their use of words like "plans," "expects," "will," "anticipates," "believes," "intends," "projects," "estimates," "outlook," or other words of similar meaning. All statements that address expectations or projections about the future, including statements about Corteva's financial results or outlook; strategy for growth; product development; regulatory approvals; market position; capital allocation strategy; liquidity; sustainability commitments and strategies; the anticipated benefits of acquisitions, restructuring actions, or cost savings initiatives; and the outcome of contingencies, such as litigation and environmental matters, are forward-looking statements.

Forward-looking statements and other estimates are based on certain assumptions and expectations of future events which may not be accurate or realized. Forward-looking statements and other estimates also involve risks and uncertainties, many of which are beyond Corteva's control. While the list of factors presented below is considered representative, no such list should be considered to be a complete statement of all potential risks and uncertainties. Unlisted factors may present significant additional obstacles to the realization of forward-looking statements. Consequences of material differences in results as compared with those anticipated in the forward-looking statements could include, among other things, business disruption, operational problems, financial loss, legal liability to third parties and similar risks, any of which could have a material adverse effect on Corteva's business, results of operations and financial condition. Some of the important factors that could cause Corteva's actual results to differ materially from those projected in any such forward-looking statements include: (i) failure to obtain or maintain the necessary regulatory approvals for some of Corteva's products; (ii) failure to successfully develop and commercialize Corteva's pipeline; (iii) effect of the degree of public understanding and acceptance or perceived public acceptance of Corteva's biotechnology and other agricultural products; (iv) effect of changes in agricultural and related policies of governments and international organizations; (v) costs of complying with evolving regulatory requirements and the effect of actual or alleged violations of environmental laws or permit requirements; (vi) effect of climate change and unpredictable seasonal and weather factors; (vii) failure to comply with competition and antitrust laws; (viii) effect of competition in Corteva's industry; (ix) competitor's establishment of an intermediary platform for distribution of Corteva's products; (x) risk related to geopolitical and military conflict; (xi) effect of volatility in Corteva's input costs; (xii) risks related to Corteva's global operations; (xiii) effect of industrial espionage and other disruptions to Corteva's supply chain, information technology or network systems; (xiv) risks related to environmental litigation and the indemnification obligations of legacy EIDP liabilities in connection with the separation of Corteva; (xv) impact of Corteva's dependence on third parties with respect to certain of its raw materials or licenses and commercialization; (xvi) failure of Corteva's customers to pay their debts to Corteva, including customer financing programs; (xvii) failure to effectively manage acquisitions, divestitures, alliances, restructurings, cost savings initiatives, and other portfolio actions; (xviii) failure to raise capital through the capital markets or short-term borrowings on terms acceptable to Corteva; (xix) increases in pension and other post-employment benefit plan funding obligations; (xx) risks related to pandemics or epidemics; (xxi) capital markets sentiment towards sustainability matters; (xxii) Corteva's intellectual property rights or defense against intellectual property claims asserted by others; (xxiii) effect of counterfeit products; (xxiv) Corteva's dependence on intellectual property cross-license agreements; and (xxv) other risks related to the Separation from DowDuPont. Additionally, there may be other risks and uncertainties that Corteva is unable to currently identify or that Corteva does not currently expect to have a material impact on its business. Where, in any forward-looking statement or other estimate, an expectation or belief as to future results or events is expressed, such expectation or belief is based on the current plans and expectations of Corteva's management and expressed in good faith and believed to have a reasonable basis, but there can be no assurance that the expectation or belief will result or be achieved or accomplished. Corteva disclaims and does not undertake any obligation to update or revise any forward-looking statement, except as required by applicable law. A detailed discussion of some of the significant risks and uncertainties which may cause results and events to differ materially from such forward-looking statements is included in the section titled "Risk Factors" (Part I, Item 1A of this Form 10-K).

Regulation G

This report includes information that does not conform to U.S. GAAP and are considered non-GAAP measures. These measures include operating EBITDA. Management uses these measures internally for planning and forecasting, including allocating resources and evaluating incentive compensation. Management believes that these non-GAAP measures best reflect the ongoing performance of the Company during the periods presented and provide more relevant and meaningful information to investors as they provide insight with respect to ongoing operating results of the Company and a more useful comparison of year-over-year results. These non-GAAP measures supplement the Company's U.S. GAAP disclosures and should not be viewed as an alternative to U.S. GAAP measures of performance. Furthermore, such non-GAAP measures may not be consistent with similar measures provided or used by other companies. Reconciliations for these non-GAAP measures to U.S. GAAP are provided below.

Non-GAAP calculation of Corteva operating EBITDA

12 months ended December 31, 2024 (in millions \$)	
Income (loss) from continuing operations after income taxes	863
Provision for (benefit from) income taxes on continuing operations	412
Income (loss) from continuing operations before income taxes (GAAP)	1,275
+ Depreciation and amortization	1,227
- Interest income	(132)
+ Interest expense	233
+/- Exchange (gains) losses - net	284
+/- Non-operating (benefits) costs - net	174
+/- Mark-to-market (gains) losses on certain foreign currency contracts not designated as hedges	-
+/- Significant items (benefit) charge	315
Corteva operating EBITDA (non-GAAP)¹	3,376

1. Operating EBITDA is defined as earnings (loss) (i.e., income (loss) from continuing operations before income taxes) before interest, depreciation, amortization, non-operating benefits (costs), foreign exchange gains (losses), and net unrealized gain or loss from mark-to-market activity for certain foreign currency derivative instruments that do not qualify for hedge accounting, excluding the impact of significant items. Non-operating benefits (costs) consists of non-operating pension and OPEB credits (costs), tax indemnification adjustments, and environmental remediation and legal costs associated with legacy businesses and sites. Tax indemnification adjustments relate to changes in indemnification balances, as a result of the application of the terms of the Tax Matters Agreement, between Corteva and Dow and/or DuPont that are recorded by the company as pre-tax income or expense. Net unrealized gain or loss from mark-to-market activity for certain foreign currency derivative instruments that do not qualify for hedge accounting represents the non-cash net gain (loss) from changes in fair value of certain undesignated foreign currency derivative contracts. Upon settlement, which is within the same calendar year of execution of the contract, the realized gain (loss) from the changes in fair value of the non-qualified foreign currency derivative contracts will be reported in the relevant non-GAAP financial measures, allowing quarterly results to reflect the economic effects of the foreign currency derivative contracts without the resulting unrealized mark to fair value volatility.



Corteva, Inc.
Indianapolis, IN 46268, U.S.A.

www.corteva.com

®™ Trademarks of Corteva Agriscience and its affiliated companies. © 2025 Corteva. The transgenic soybean event in Enlist E3™ and Conkasta E3™ soybeans is jointly developed and owned by Corteva Agriscience LLC and M.S. Technologies, L.L.C. The Enlist weed control system is owned and developed by Corteva Agriscience LLC. Enlist Duo and Enlist One herbicides are not registered for sale or use in all states or counties. Plenish, high oleic soybeans have an enhanced oil profile and are produced and channeled under contract to specific grain markets. Growers should refer to the Product Use Guide on www.corteva.us/resources/trait-stewardship.html for more information.

Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist Duo and Enlist One are the only 2,4-D products authorized for use with Enlist crops. Consult Enlist herbicide labels for weed species controlled. Always read and follow label directions. Pioneer brand products are provided subject to the terms and conditions of purchase which are part of the labeling and purchase document.

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