



2021  
**SUSTAINABILITY  
& ESG REPORT IN IT  
FOR  
GOOD.**

KEEP  
GROWING.



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This communication contains 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 "targets," "plans," "expects," "will," "anticipates," "believes," "intends," "projects," "estimates," or other words of similar meaning. All statements that address expectations or projections about the future, including statements about Corteva's sustainability goals, climate targets, inclusion, diversity and equity targets, business plans, product development, regulatory approvals, and environmental matters, are forward-looking statements, which are based on certain assumptions and expectations of future events which may not be accurate or realized.

A photograph of a woman in a rice field. She is wearing a traditional conical hat and a pink shirt. She is holding a bundle of rice in her hands. There are other people in the background. The image has a warm, golden glow.

# INTRODUCTION

IN IT  
FOR  
GOOD.



## MESSAGE FROM CHUCK MAGRO, CEO

Corteva Agriscience is guided by a simple but powerful purpose: to enrich the lives of those who produce and those who consume, ensuring progress for generations to come.

In a world that demands urgent action, Corteva will deliver on its purpose by being the leader in innovative, sustainable solutions for farmers worldwide, today and tomorrow...to become the world's most valuable agriculture solutions company.

Corteva colleagues around the world are working to support the resilience of our global food production system—advancing economic, environmental and social sustainability through proven science. They have a passion to improve the lives of farmers, consumers and communities. It isn't maintaining the status quo. It's about improving and continuing to evolve. We believe climate positive agriculture is the way forward, where our collective actions and commitments create a stronger and more productive food system.

We employ the power of innovation to develop sustainable seed and crop protection products for farmers. At the same time, we embrace new technologies and practices that reduce greenhouse gas emissions and impacts on biodiversity. We recognize this is a journey that requires continued focus on delivering technologies that contribute to a resilient and sustainable global food system.

This report reflects our continued transparency regarding our environmental, social and governance (ESG) efforts and is an important step forward in our approach to advance sustainable progress for agriculture. The report outlines our intent to focus on four areas we believe are the most urgent and, together, have the greatest potential to create a significant positive impact on the farmers, people, environments and communities we serve:

- **Sustainable Innovation**
- **Biodiversity**
- **Greenhouse Gas Emissions**
- **Inclusion, Diversity & Equity**

Through efforts in each area, we believe Corteva can bring lasting change and improvement to the natural resources, communities and people who make farming possible.

With the right focus, the right actions and people passionately committed to helping farmers and the planet, we are confident we can be a major force for sustainable agriculture around the world.

This report is an up-close view of the work we have embarked upon and how it aligns with our mission and values. We look forward to this new phase in our sustainability journey.



**"Corteva can bring lasting change and improvement to the natural resources, communities and people who make farming possible."**

— Chuck Magro  
Chief Executive Officer  
Corteva Agriscience



## MESSAGE FROM SAM EATHINGTON, CT&DO

It's a pivotal time for agriculture. A time to advance transformational change against the backdrop of these global issues:

Global food demand continues to grow. The United Nations predicts the world's population will increase by 2 billion, up to 9.7 billion, by 2050.<sup>1</sup> As our population increases, and industrial and economic development advance, the need for food will expand and change, driving pressures to convert more land and habitats to farmland to meet growing demand.

Farmers have more threats to their crops. Changes in our climate have shifted weed, insect and disease pressures and increased extreme weather events. The 2021 Global Food Security Index, by Economist Impact, reported that agricultural productivity in more than half of the world's countries has been negatively impacted by changing rainfall patterns and excessive temperature swings.<sup>2</sup>

And society expects more from agriculture. Consumers, regulators and food companies want to know where food comes from, how it was produced and that it was produced sustainably. A recent global consumer survey showed that 67 percent of respondents are concerned about the impact of food production on climate change and 79 percent prefer environmentally friendly products.<sup>3</sup>

What's the solution? Innovation. The future of food production hinges on getting new, sustainable and productive tools and technologies into the hands of farmers—technology that meets these needs while minimizing negative trade-offs.

You'll see several examples of such solutions in this report, including:

- Plenish® High Oleic Soybeans: 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.
- Reklemel™ active: a reduced risk crop protection solution that protects crops against nematode damage while preserving the healthy balance of beneficial organisms in the soil ([Learn more](#)).<sup>4</sup>

This report also outlines the next phase of our sustainability work—concentrated efforts on issues that need to be addressed with urgency. We're narrowing our focus to four critical and interconnected areas—sustainable innovation; biodiversity; greenhouse gas emissions; and inclusion, diversity and equity ("ID&E")—while continuing to provide transparency by periodically reporting our overall environmental, social and governance ("ESG") performance.

As we strive to address the challenges of our time, we will continue to push the boundaries of innovation to help farmers produce an abundant, affordable and resilient food supply that will help humanity thrive for generations to come.

1. [Population | United Nations](#)

2. 2021 GFSI: [Global Food Security Index \(GFSI\) \(economist.com\)](#)

3. [Consumer Survey: Climate Change and Food Production – Food Insight](#) from the International Food Information Council

4. Pending regulatory approval. Reklemel has received a reduced risk designation from the United States Environmental Protection Agency ("US EPA").

# OUR VISION

We believe farmers are the most important stewards of the land and our natural resources. We also believe that agriculture has the power to transform the environmental, economic and social health of our planet so that we can continue to feed the world while supporting the very resources that make it all possible. Agricultural technologies can help farmers produce more food while reducing environmental impact, creating more land-use choices for farmers and communities.

These fundamental beliefs drive our approach to embed sustainability into our business. From our seed and crop protection products to our inclusion, diversity and equity ("ID&E") efforts, we work to put everything we do through the filter of *good for farmers, good for the planet and good for people*.

The challenges we face today as a society are significant. However, we believe agriculture plays a vital role in providing viable solutions—and we know the pathway to climate positive agriculture is through a systems approach.



## WE ARE EVOLVING OUR FOCUS TO FOUR CRITICAL AREAS THAT URGENTLY NEED SOLVING:

### SUSTAINABLE INNOVATION:

Innovative solutions will allow farmers to increase productivity and profitability potential, provide climate solutions and improve resilience to mounting weed, insect, disease and weather pressures.

### BIODIVERSITY:

Efforts to reduce impacts through agronomic best practices and investment in preventing future land-use change in sensitive areas to support ecological balance, agricultural productivity, climate resilience and right to operate.

### GREENHOUSE GAS EMISSIONS ("GHG"):

Science-driven action to address climate change is urgent. Corteva Agriscience is committed to taking steps to reduce our GHG footprint.

### ID&E:

To deliver innovative, sustainable solutions while advancing equity in agriculture, we must attract and retain the best talent from a variety of backgrounds, worldviews and life circumstances and enable a culture of belonging in which every member of the Corteva community feels valued and appreciated.

We look forward to engaging with our stakeholders on our ESG priorities and practices.

Growing global pressures continue to highlight the fragility of world food supply. By focusing on these four critical areas, we can harness our best science and lead meaningful, measurable efforts to support agricultural production—for food, fuel and fiber—as the world continues to undergo tremendous disruption.

We continue to learn throughout this journey and use our voice, innovation and scale to contribute to positive and lasting change. As we evolve our approach, we remain steadfast in our commitment to advancing sustainable agriculture to enable food security and production and enrich lives and our planet for generations to come.

# AWARDS



Inatreq™ active fungicide



Ag Women Leadership Academy



## ENGINEERING & PRODUCTION TECHNOLOGY

Pyraxalt™ active product manufacturing and process optimization



## OPERATIONAL EXCELLENCE

For spinetoram (now known as Jemvelva™ active) insecticide, the only IRAC Group 5 insecticide



## SUSTAINABILITY LEADER

For successful Rinskor® active ingredient advanced technology and product manufacturing



Corteva has won six Green Chemistry Challenge Awards from the U.S. Environmental Protection Agency, more than any other agricultural input company. The award is given to companies or institutions that have developed a new process or product that helps protect public health and the environment.

# OUR JOURNEY OF CONTINUOUS IMPROVEMENT



A comprehensive non-financial materiality assessment is completed, spanning every business and geographic region. Committees made up of employees across the company begin to translate resulting topics into company-wide goals.

Committees gather and assess input from internal and external stakeholders, including business leaders, farmers, nonprofits, collaborators and other key stakeholders.

We complete development of our inclusion, diversity and equity ("ID&E") goals.

After greenhouse gas ("GHG") emissions baselines are gathered, the company establishes our first 2030 GHG goals.

We receive a 52/100 (80th percentile) score in our second S&P Global Corporate Sustainability Assessment

Corteva publishes second Sustainability and ESG Report, reflecting company performance on key ESG metrics.

2019

Corteva becomes an independent, pure-play agriculture company in June.

A new data system is built to capture operational environmental data.

2020

We announce our inaugural sustainability goals on the first anniversary of Corteva's formation.

2021

Corteva announces inaugural ID&E strategy and goals.

Corteva publishes first Sustainability Report.

2022

Informed by stakeholder input and company core capabilities, Corteva leadership identifies four areas of strategic focus: Sustainable Innovation, Biodiversity, GHG Emissions and ID&E. Company reinforces commitment to sustainability.

Applying a systems-level approach, Corteva works to refine focus area targets, data collection requirements and measurement milestones.

Company recognizes the evolving impact of social and environmental impacts to our business and communities and strives to achieve measurable improvement, helping to protect global populations and our planet.



# OUR BUSINESS

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FOR  
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# COMPANY OVERVIEW AND HIGHLIGHTS

At Corteva Agriscience, we collaborate with customers and stakeholders around the world to bring to market new and differentiated solutions designed to address agriculture's most pressing challenges.

Our commitment to sustainability is central in our approach to innovation and the value we deliver globally for our stakeholders. Rooted in our purpose of enriching lives, this commitment is further reflected in the company's collaborations with non-profit organizations, regulatory bodies and the agriculture industry to promote improvements in crucial areas such as climate resilience, biodiversity, water availability and soil health.

Our geographically diverse portfolio of seed and crop protection products, combined with our industry-leading agronomic expertise and technology capabilities, is supporting increased productivity for farmers via products and solutions designed to optimize yields, allowing farmers to use fewer resources.

Leveraging the strength of our technology, expertise and innovative collaborations, Corteva continues to drive important progress toward a more resilient agriculture ecosystem.



## ENVIRONMENTAL AND SOCIAL HIGHLIGHTS

### NEW SUSTAINABLE SOLUTIONS

**89%**

% of 2021 New Crop Protection Products

### EPA GREEN CHEMISTRY AWARD REVENUE

**17%**

% of 2021 Net Revenue

### LOST-TIME INJURY FREQUENCY RATE ("LTIFR")

**-25%**

IMPROVED

2021 vs 2020 Number per Million Hours Worked

### SHARE OF WOMEN IN TOTAL WORKFORCE

**32% (+1%)**

IMPROVED

2021 vs 2020 as % of Total Workforce

### SCOPE 1 & 2 EMISSIONS INTENSITY RATIO

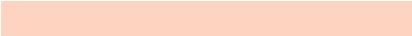
**-7%**

IMPROVED

2021 vs 2020 Kg CO<sub>2</sub>e/\$ Net Sales

## RESEARCH AND DEVELOPMENT EXPENSE ("R&D")

(dollars in millions)

'20  **\$1,142** (8.0% of net sales)

'21  **\$1,187** (7.6% of net sales)

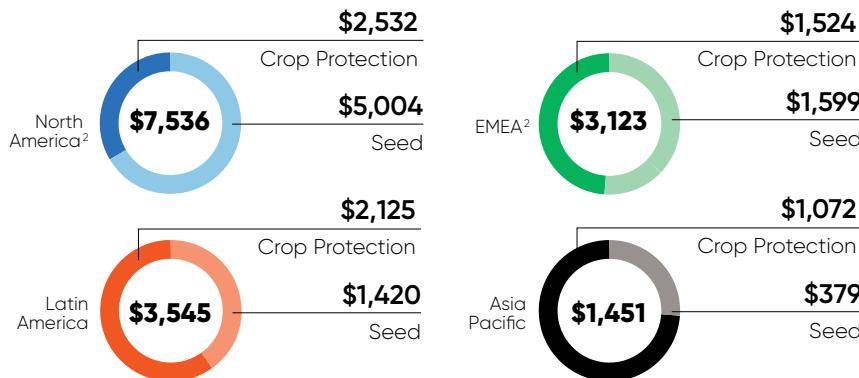
# BUSINESS OVERVIEW

Corteva Agriscience is a global pure-play agriculture company that combines industry-leading innovation, high-touch customer engagement and operational execution to profitably address pressing agriculture challenges for stakeholders around the world. The company's balanced and diverse portfolio of agriculture solutions is backed by its industry-leading technology pipeline and capabilities, as well as its comprehensive routes to market. Together these strengths create advantaged market preference, while powering the company's efforts to maximize productivity for farmers and producers around the world.

**THE COMPANY'S PORTFOLIO IS COMPRISED OF TWO SEGMENTS, SEED AND CROP PROTECTION.**

## REGIONAL SALES BY SEGMENT 2021

(dollars in millions)



## BUSINESS HIGHLIGHTS

**~\$15.7B**  
2021 Net Sales

**~\$2.6B**  
2021 Operating  
EBITDA<sup>1</sup>

**100+**  
Crops

**~140**  
Countries

**16.7K**  
Granted  
Patents  
Owned

**10M+**  
Customers

**65+**  
Active  
Ingredients

1. Operating EBITDA is a non-GAAP measure. See the Appendix ("Regulation G (Non-GAAP Financial Measures)") of this document for further discussion. Income from continuing operations after income taxes was \$1.8 billion for the year ended December 31, 2021.  
2. North America is defined as U.S. and Canada. EMEA is defined as Europe, Middle East and Africa.

A photograph of a man in a white shirt and overalls, sitting in a wooden chair in a field of tall, golden corn. He is holding a large, ripe ear of corn in his hands, examining it closely. The sun is low, casting a warm glow over the scene.

# OUR FOCUS

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# OUR FOCUS

## SUSTAINABLE INNOVATION

Innovative products will allow farmers to increase productivity and profitability potential, provide climate solutions and improve resilience to mounting weed, insect, disease and weather pressures.



## GREENHOUSE GAS EMISSIONS

Science-driven action to address climate change is urgent. Corteva Agriscience is committed to taking steps to reduce our GHG footprint.

## BIODIVERSITY

Efforts to reduce impacts through agronomic best practices and investment in preventing future land-use change in sensitive areas to support ecological balance, agricultural productivity, climate resilience and right to operate.

## INCLUSION, DIVERSITY & EQUITY

To deliver innovative, sustainable solutions while advancing equity in agriculture, we must attract and retain the best talent from a variety of backgrounds, worldviews and life circumstances and enable a culture of belonging in which every member of the Corteva community feels valued and appreciated.



# SUSTAINABLE INNOVATION

We are committed to every newly developed Corteva solution from our pipeline meeting our sustainability criteria by 2025. Each new solution must meet baseline requirements and deliver at least one notable sustainability advantage based on criteria aligned to the United Nations Sustainable Development Goals, while maintaining parity compared to other products in the market today.

## PRODUCING MORE WITH LESS

### INNOVATION IS VITAL TO MEETING FUTURE CHALLENGES

Agriculture plays a critical role in meeting the needs of people and our planet—today and tomorrow. We must continue to feed a growing population, create resiliency to a changing climate and minimize impacts to our natural resources.

Innovation is the path forward to help farmers protect their crops against weed, insect, disease and weather pressures, while meeting consumer and regulatory demands, supporting soil health, and increasing productivity.

### HOW CORTEVA AGRISCIENCE DESIGNS, DEVELOPS AND DELIVERS COMPREHENSIVE AND COMPLEMENTARY INNOVATION FOR FARMERS

#### SEED

Products from one of the world's most differentiated and characterized germplasm libraries with biotech traits uniquely positioned help farmers increase yield potential and protect their crops

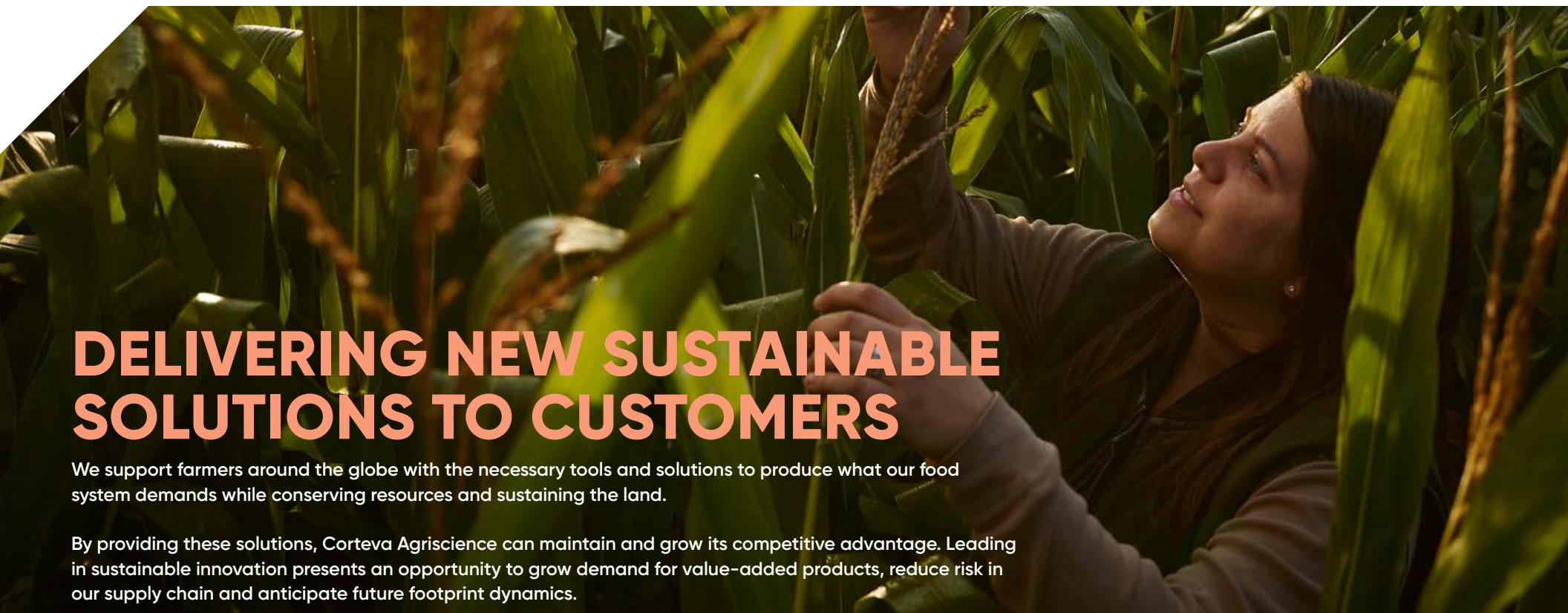
#### CROP PROTECTION

Award winning leader in global herbicides, insecticides, nematicides, fungicides, biologicals, seed applied technologies, nitrogen stabilizers and pasture and range management herbicides to protect crops against weeds, insects, diseases and nutrient loss.

In addition, Corteva offers data-driven software and mobile applications to assist farmers in making decisions to help maximize yield, promote sustainability and support profitability.



Corteva has won six Green Chemistry Challenge Awards from the U.S. Environmental Protection Agency, more than any other agricultural input company. The award is given to companies or institutions that have developed a new process or product that helps protect public health and the environment. Corteva has received this award for insecticide, nematicide, and fungicide solutions.



# DELIVERING NEW SUSTAINABLE SOLUTIONS TO CUSTOMERS

We support farmers around the globe with the necessary tools and solutions to produce what our food system demands while conserving resources and sustaining the land.

By providing these solutions, Corteva Agriscience can maintain and grow its competitive advantage. Leading in sustainable innovation presents an opportunity to grow demand for value-added products, reduce risk in our supply chain and anticipate future footprint dynamics.

## CORTEVA'S KEY CAPABILITIES FOR ADVANCING SUSTAINABLE INNOVATION

### SEED

- Leveraging biotech, genome editing and native trait approaches to increase and protect productivity
- Increasing and protecting productivity per plant/acre through native traits while providing insect, weed and disease control, herbicide tolerance, agronomics and value-added outputs traits
- Enabling new plant breeding technologies such as gene editing, advanced genomics and phenotyping that enhance and accelerate the development of sustainable products
- Corteva focuses on customer-driven innovation and is a global leader in developing and supplying advanced germplasm and traits that produce optimum yield for farmers

### CROP PROTECTION

- Innovating new active ingredients and formulations that include both natural and synthetic insect, weed and disease control actives with novel modes of action, low application rates, improved formulation and delivery systems, and improved seed-applied technologies
- Accelerating the safety and sustainability characterization of new molecules through Corteva's Predictive Safety Center to select leads with more favorable environmental profiles at the earliest stages
- Developing biostimulants, biocontrol and pheromone biological products with proven, predictable performance to meet the increasing market demand for naturally derived products

Corteva's integrated digital tools help farmers optimize their seed and crop protection investment and drive on-farm sustainability solutions.



# ADVANCING SUSTAINABILITY THROUGH INDUSTRY-LEADING R&D

## CORTEVA IS HARNESSING THE POWER OF SCIENCE TO ADDRESS SUSTAINABILITY CHALLENGES

In 2020, Corteva Agriscience's research and development teams identified 12 preliminary sustainable innovation criteria for new product development and stage-gate product pipeline advancements based on the United Nations Sustainable Development Goals ("UN SDGs"). These criteria support many objectives—from improving the resilience of agricultural production, to reducing waste and product application efficiency, to reducing greenhouse gas emissions.

Corteva's internal teams, with input from external stakeholders, continue to refine these criteria for practical application and incorporate them in the product design and discovery process.

By bringing sustainable solutions to the farmgate that help increase and protect yield potential, optimize inputs and improve climate resilience, we're helping support the prosperity of farmers and our planet for generations to come.

## CORTEVA'S SUSTAINABLE INNOVATION CRITERIA ALIGNED TO THE UNITED NATIONS SUSTAINABLE DEVELOPMENT GOALS

 2 ZERO HUNGER	<ul style="list-style-type: none"><li>• Increase access to safe, nutritious, and sufficient food</li><li>• Support genetic diversity of seeds and cultivated plants</li><li>• Improve resilience of agricultural production</li></ul>	 6 CLEAN WATER AND SANITATION	<ul style="list-style-type: none"><li>• Improve water quality</li><li>• Increase water use efficiency</li></ul>	 12 RESPONSIBLE CONSUMPTION AND PRODUCTION	<ul style="list-style-type: none"><li>• Use sustainably sourced renewable inputs</li><li>• Use safer materials in manufacturing and finished products</li><li>• Reduce food waste</li><li>• Reduce waste and improve product application efficiency</li></ul>	 13 CLIMATE ACTION	<ul style="list-style-type: none"><li>• Reduce greenhouse gas (GHG) emissions</li></ul>	 15 LIFE ON LAND	<ul style="list-style-type: none"><li>• Protect biodiversity and ecosystems</li><li>• Improve soil quality and restore degraded land</li></ul>
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Must meet baseline requirements and deliver at least one notable sustainability advantage while maintaining parity compared to other benchmark products in the market today.

# 89%

## OF CORTEVA'S NEW CROP PROTECTION PRODUCTS MEET OUR SUSTAINABLE INNOVATION CRITERIA



For new Corteva Agriscience crop protection active ingredients, we have established thresholds for each sustainable innovation criteria to deliver a notable sustainability advantage.

UN Sustainable Development Goals	2 ZERO HUNGER	6 CLEAN WATER AND SANITATION	12 RESPONSIBLE CONSUMPTION AND PRODUCTION			15 LIFE ON LAND	
Sustainability criteria aligned to UN Sustainable Development Goals	Improve resilience of agricultural production	Improve water quality	Reduce waste and Improve Product Application Efficiency	Use Sustainably Sourced Inputs	Use safer materials in manufacturing and finished products	Improve soil quality or restore degraded land	Protect biodiversity and ecosystems
Crop Protection Specific Thresholds	Novel or underutilized mode of action in target market	Active/Product reduces risk to groundwater relative to at least 1 target benchmark	Use rate in target crop at <100 g/ha (or 25% reduction vs at least 1 target benchmark)	Natural Product, >50% of non-AI Formulation Components are renewable and sustainably sourced	Formulation provides better hazard classification over at least 1 target benchmark	Active has less environmental persistence relative to at least 1 target benchmark	Active/product reduces risk to non-target organisms relative to at least 1 target benchmark
Arylex™	✓	✓	✓			✓	✓
Rinskor™	✓	✓	✓			✓	✓
Isoclast™	✓	✓	✓			✓	✓
Pyraxalt™	✓	✓	✓			✓	
Reklemel™	✓	✓	✓			✓	✓
Zorvec™	✓	✓	✓			✓	
Inatreq™	✓	✓	✓	✓		✓	✓
Enlist® (2,4-D/Glyphosate) <sup>1</sup>	✓				✓		✓

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

# SUSTAINABLE SOLUTIONS CREATE LONG-TERM VALUE FOR FARMERS, CONSUMERS AND THE PLANET

CORTEVA AGRISCIENCE HAS A ROBUST PORTFOLIO OF TOOLS AND TECHNOLOGIES FOR FARMERS AND RANCHERS

## Reklemel™ active

A nematicide that protects against nematode damage without disrupting the healthy balance of the soil. It works in harmony with a range of beneficial soil organisms and insects, including pollinators, and is designated as reduced risk by the U.S. Environmental Protection Agency ("EPA") ([Learn more](#))



- Improve resilience of agricultural production (Unique mode of action)



- Improve water quality (Low risk to groundwater)



- Reduce waste and improve product application efficiency (Low rates relative to alternative nematicides)



- Protect biodiversity and ecosystems (Low toxicity to birds, fish, aquatic invertebrates. Compatible with beneficial insects, including pollinators and a wide range of beneficial soil organisms.)
- Improve soil quality and restore degraded land (Readily degrades in soil)



## OPTIMIZED BALANCE OF INSECT PROTECTION AND AGRONOMIC PERFORMANCE

Corn hybrids that help farmers increase food production through high-yielding genetics and a molecular stack of traits for above- and below-ground insect protection

## Inatreq™ active

## INDUSTRY FIRST IN A NEW CLASS OF FUNGICIDES FOR WHEAT AND BANANAS IN OVER 15 YEARS

Inatreq is the first member of a class of fungicides (picolinamides) providing the first new target site of action in wheat and bananas in over 15 years. The result is improved crop management supporting increased yields and higher-quality harvests, earning this active fungicide the Crop Science Best New Crop Protection Product or Trait Award

## CORTEVA CARBON INITIATIVE



## ADVANCING CLIMATE POSITIVE AGRICULTURE

A data-based service that provides farmers with access to market-based payments for best management practices that improve carbon sequestration with co-benefits for soil health, water quality and biodiversity

# SUSTAINABLE SOLUTIONS THAT ENABLE FOOD PRODUCTION WHILE REDUCING AGRICULTURE'S FOOTPRINT



optimum

## AQUAmax®

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.<sup>1</sup>

## plenish<sup>®</sup> High Oleic Soy

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, it has less saturated fat and one of the highest amounts of heart-healthy monosaturated fat available in soy. Plenish soybeans are produced under an identity preservation program that preserves the quality of the crop and its oil. Life cycle analysis has demonstrated that the increased stability and life of the oil in restaurant use can reduce key environmental impacts compared to conventional oils.

## Inatreq™ active

A naturally derived fungicide for cereal crops and bananas with low usage rates and fast biodegradation. With optimized formulation and uniform leaf surface coverage, Inatreq offers low usage rates and fast biodegradation, delivering application flexibility, delivers superior efficacy, improves yield with long residual performance for preventative treatments.<sup>2</sup>

## Adavelt™ active

An innovative new synthetic fungicide that has favorable toxicological, environmental and regulatory profiles, providing control to protect both yield and profitability. Adavelt controls a wide range of pathogens, delivering effective control on many crops grown globally, including cereals, vines, fruits, nuts and vegetables. This fungicide offers improved efficiency with applications which span multiple growth stages.<sup>3</sup>

## Rinskor™ active

An herbicide with a favorable environmental and toxicological profile that delivers effective post-emergent control of key weeds and rice crops and other crop systems. This active's unique chemical characteristics provide an alternative weed management tool in rice crops – including the control of species that have developed target-site resistance to other commonly used herbicidal modes of action. It has a short half-life and is absorbed quickly in soil, contributing to less environmental impact.<sup>4</sup>

## Qalcova™ active

## Jemvelva™ active

Two EPA Green Chemistry Challenge Award-winning active ingredients made from naturally occurring soil bacteria that protect more than 250 crops. Qalcova and Jemvelva are sole members of their insecticidal chemistry mode of action classification and have no known cross-resistance with other groups of insecticides. They control damaging pests with safety for most beneficial insects and are well-suited for use in integrated pest management programs. Qalcova is the #1 organic insecticide in the world.<sup>5</sup>

## Utrisha™ N

### NUTRIENT EFFICIENCY OPTIMIZER

A biostimulant that provides an alternative, supplemental nitrogen source without the risk of leaching into water tables or releasing additional greenhouse gases.<sup>6</sup>

## Enlist One<sup>®</sup>

COLEX-D<sup>®</sup> technology

HERBICIDE

## Enlist Duo<sup>®</sup>

COLEX-D<sup>®</sup> technology

HERBICIDE

### REDUCING RISK FOR WILDLIFE AND HABITATS WITH ADVANCED WEED CONTROL

Corteva Agriscience's Enlist One<sup>®</sup> and Enlist Duo<sup>®</sup> herbicides were the first products to complete the U.S. Environmental Protection Agency's new Endangered Species Act risk assessment process.

1. <https://www.pioneer.com/us/products/corn/traits-technologies/aquamax.html>  
 2. <https://www.corteva.com/our-impact/innovation/activeingredients/inatreq.html>  
 3. <https://www.corteva.com/resources/media-center/corteva-agriscience-announces-adavelt-active.html?msclkid=26882a6fcff311ecab1040700f148332>  
 4. <https://www.corteva.com/our-impact/innovation/activeingredients/rinskor.html>  
 5. <https://www.corteva.com/our-impact/innovation/activeingredients/qalcovaandjemvelva.html>  
 6. <https://www.corteva.us/products-and-solutions/crop-protection/utrisha-n.html>



# BIODIVERSITY

We are committed to partnering to address biodiversity challenges related to land use change where Corteva can make a difference. We are taking steps to map priority areas for collaboration.

## THE FOUNDATION OF AGRICULTURE AND OUR FOOD SYSTEM

Biodiversity is the balance between living organisms and their ecosystems. It's an essential part of food production and healthy ecosystems. Farmers have long understood its importance. Changes in biodiversity below the ground, on the farm and around it can impact yield, productivity, income and revenues for farmers and businesses throughout the food production value chain.

That's why Corteva Agriscience has prioritized efforts to identify where we can advance biodiversity in a meaningful way—by advancing products that support biodiversity, reducing the need for land-use change, enable soil biodiversity and identifying opportunities to protect pollinator habitats.

Work in these areas can, in turn, support crop pollination, climate regulation, healthy soil function and freshwater availability.

**Increasing agricultural production to meet the demands of the world's growing population is expected to continue. This could increase the need to bring more land into food production and threaten biodiversity, but it doesn't have to. That's why we're intending to amplify our efforts to help farmers produce more food on every acre and potentially reduce the need for land-use changes.**





## INNOVATING TO ADVANCE BIODIVERSITY

Sustainable solutions from Corteva Agriscience are helping farmers increase yield potential per acre or hectare, which could expand opportunities for how they use their land—to set it aside to protect habitats, safeguard forests, capture carbon through cover crops, or expand crop diversity.

Corteva's portfolio includes seed, crop protection and digital tools that help farmers in their efforts to support biodiversity in their operations.

**LandVisor™ Advanced Brush Management:** An integrated solution that combines sophisticated imagery, data, technology and expert guidance to help farmers and ranchers make decisions about targeted herbicide applications for invasive species, resulting in less herbicide use and supporting wildlife habitat preservation.

**Biological Products:** Derived from living organisms, biologicals, when used together with conventional crop protection solutions, can help promote soil health and optimise farm operability.

## REDUCING THE NEED FOR LAND-USE CHANGE

In 2021, Corteva announced a collaboration with the National Fish and Wildlife Foundation ("NFWF") that aims to enhance biodiversity, improve wildlife habitats and bolster soil health on public and private grazing lands throughout the southwestern United States. The collaboration includes working with the ranching community, as well as the Texas Parks and Wildlife Foundation and the National Audubon Society.

[Learn more about the Corteva and NFWF collaboration to enhance biodiversity through sustainable land management practices benefiting wildlife and livestock production](#)



## ENABLING SOIL BIODIVERSITY

Corteva agronomists and sales team members work with farmers daily to provide education, tools and advice to help them increase productivity potential while preserving soil biodiversity. Farmers are actively adopting on-farm agriculture practices—such as intercropping, crop rotation, reduced or no-till, cover crops and more incorporation of crop residue—with regenerative outcomes that can enhance beneficial microbe populations and support nutrient cycling and soil fertility.

## EQUIPPING THE NEXT GENERATION OF POLLINATOR ADVOCATES

Through the Corteva Grows Pollinator Habitat program, we are collaborating with Pheasants Forever and Quail Forever and the National 4-H Council to instill awareness, passion and skills in our youth as responsible stewards of our planet in the generations to come.

Our work educates participants through curriculum and leadership, elevates thought leaders, influencers and stakeholders and engages employees and communities. More than 31 pollinator habitats, consisting of approximately 90 acres, have been established across the U.S. through the program.

## CORTEVA GROWS POLLINATOR HABITAT PROGRAM RESULTS\*

- Approximately 17,000 youth trained by 340 4-H pollinator ambassadors
- Approximately 1,500 pollinator curriculum bundles/kits distributed through key markets & open promotion aiding additional reach of 12,000
- 18,000 pollinator kits were provided to program participants in key markets

\*2019-2021 results

[Video](#)



# GREENHOUSE GAS EMISSIONS

We are committed to taking steps to reduce our GHG footprint. We have requested and scheduled validation of our previously announced [GHG targets](#) with the SBTi and are also taking steps to internally assess an appropriate investment plan in alignment with our business and cost strategy.



Hawaii, United States

## THE NEED FOR SCIENCE-DRIVEN ACTION TO ADDRESS CLIMATE CHANGE IS URGENT

Corteva Agriscience is committed to taking steps to reduce our greenhouse gas ("GHG") emissions footprint. Since our last report, we have submitted our 2030 GHG emission-reduction options to the Science Based Targets Initiative ("SBTi") for validation.

Significant reductions in operational GHG emissions can be capital

intensive. To create a path for lasting emissions reductions that can be sustained over time, Corteva is taking a flexible, innovative approach—including, but not limited to, evaluating energy-reduction initiatives, focused research and development efforts, increases in production efficiencies and options to transition to renewable energy sources.

In Eschbach, Germany, construction is advancing on a new, energy-efficient research center expansion designed to achieve zero emissions. In addition to supporting our ongoing seed research, this expansion enables us to conduct state-of-the-art crop protection studies for sustainable solutions for the European market and establish a center of excellence for resistance-development research.

**Corteva has initiated several GHG emission-reduction projects worldwide, presenting opportunities to learn as we take steps to reduce our footprint. For example:**

- Conducting a pilot study at our Harbor Beach, Michigan, facility to evaluate energy-reduction opportunities and provide learnings that may be applied to other production facilities.
- Installed solar panels and battery storage to improve the reliability of the power supply at three Corteva sites in Hawaii and entered into a power purchase agreement with a third party. This project results in a reduction in energy costs and protects against future energy cost increases.
- Replaced thousands of light fixtures with high-intensity LED fixtures in our greenhouses and soybean growth chamber facility in our Johnston, Iowa, Global Business Center. These new lights will result in better user control, reduced on-time, significant energy savings and reduced cooling load.



Eschbach, Germany

# INCLUSION, DIVERSITY & EQUITY (ID&E)

We are committed to advancing ID&E by cultivating a culture of belonging, increasing the diversity of our workforce with specific employee representation goals, and enhancing our external impact.

## THE POWER OF INCLUSION, DIVERSITY & EQUITY (ID&E)

We boldly embrace the power of ID&E to enrich the lives of our employees and strengthen the performance of our company while advancing equity in agriculture.

As we look at the opportunities and challenges ahead, as well as the demographic changes taking place in our world, it's clear that ID&E is critical to our success. To provide farmers with innovative, sustainable solutions today and tomorrow, we must attract and retain the best talent from a variety of backgrounds, worldviews and life circumstances. We also must create a culture of belonging in which our employees feel valued, appreciated and able to contribute fully every day. These efforts are essential to enabling the curiosity, creativity and ingenuity that fuel innovation.

Our journey to become more inclusive, diverse and equitable began during our early days as an independent company. In 2021, we launched a revised strategy, published a clear set of goals and identified initiatives to support the achievement of those goals. Under leadership of our Chief Human Resources and Diversity Officer, we established a quarterly dashboard to track key metrics and enable the company and Board's People and Compensation Committee to monitor our progress. We advanced in several areas, laid the groundwork for progress in others and gained valuable insights as we seek to build our momentum in 2022.

**"Boldly embracing inclusion, diversity and equity is critical to achieving our true potential as an organization. These efforts are core to our values and our ability to deliver innovative breakthroughs for our customers, fully leverage the expertise of our diverse suppliers and small business partners and foster a culture in which all of our people flourish."**

– Chuck Magro  
Chief Executive Officer  
Corteva Agriscience

## CONTINUING TO ESTABLISH THE BUILDING BLOCKS FOR PROGRESS

Since [announcing our ID&E goals](#) in early 2021, we have continued to establish the building blocks for driving progress in this important area. We remain focused on building an internal culture of belonging and improving the diversity of our employee base while partnering with farmers and other industry stakeholders to address equity challenges in agriculture.

### INCLUSION, DIVERSITY & EQUITY 2021 HIGHLIGHTS



Multiple initiatives, such as those shown in the above visual, have increased female representation globally and prompted a high favorability rating from our employee survey related to belonging. While progress against our U.S. minority representation goals was hindered in part by a fiercely competitive talent market, we are continuing our efforts in this area moving forward.

### OUR ID&E PILLARS

Our strategy remains concentrated around [three key pillars](#), reflecting our commitment to advancing ID&E both within and outside of our company walls.

#### CULTURE OF BELONGING

We believe in enabling a diverse culture of inclusion, where processes are equitable and employees at every level feel a true sense of belonging—being heard, valued and empowered to contribute fully every day.

[View Goals](#)

#### DIVERSE EMPLOYEE REPRESENTATION

We believe a diverse workforce fuels creativity, curiosity and innovation—critical to our ability to provide the best products and solutions for farmers.

[View Goals](#)

#### EXTERNAL IMPACT

We believe in the power of collaboration and are partnering with customers, farmers, suppliers and other industry stakeholders to address equity challenges in agriculture.

[View Goals](#)

### SHARPENING OUR FOCUS, INTENSIFYING OUR EFFORTS

As was always our intent, beginning in 2022, we are expanding the scope of our [representation goals](#) to include all regular employees (previously salaried only). While our baselines will change, our targeted percentage increases for 2026 will not.

To drive further progress specifically with our U.S. minority representation, we are intensifying our efforts to attract, develop and retain diverse talent with focused initiatives, including:

- Assessment of our hiring practices
- Enhancements to our university relations strategy
- Expanded activities to support growth
- Development of underrepresented talent within our leadership pipeline

To provide transparency into our workforce demographics, we are making our [U.S. Equal Employment Opportunity Commission](#) data publicly available.

**"This is a journey and there is plenty of work that lies ahead. We must remain committed to our goals, learn from our experiences and continually adapt to ensure we achieve our objectives over time – and that's exactly what we plan to do."**

— Audrey Grimm  
Chief Human Resources and Diversity Officer  
Corteva Agriscience



# FOSTERING DIALOGUE AND LEARNING THROUGH OUR BUSINESS RESOURCE GROUPS

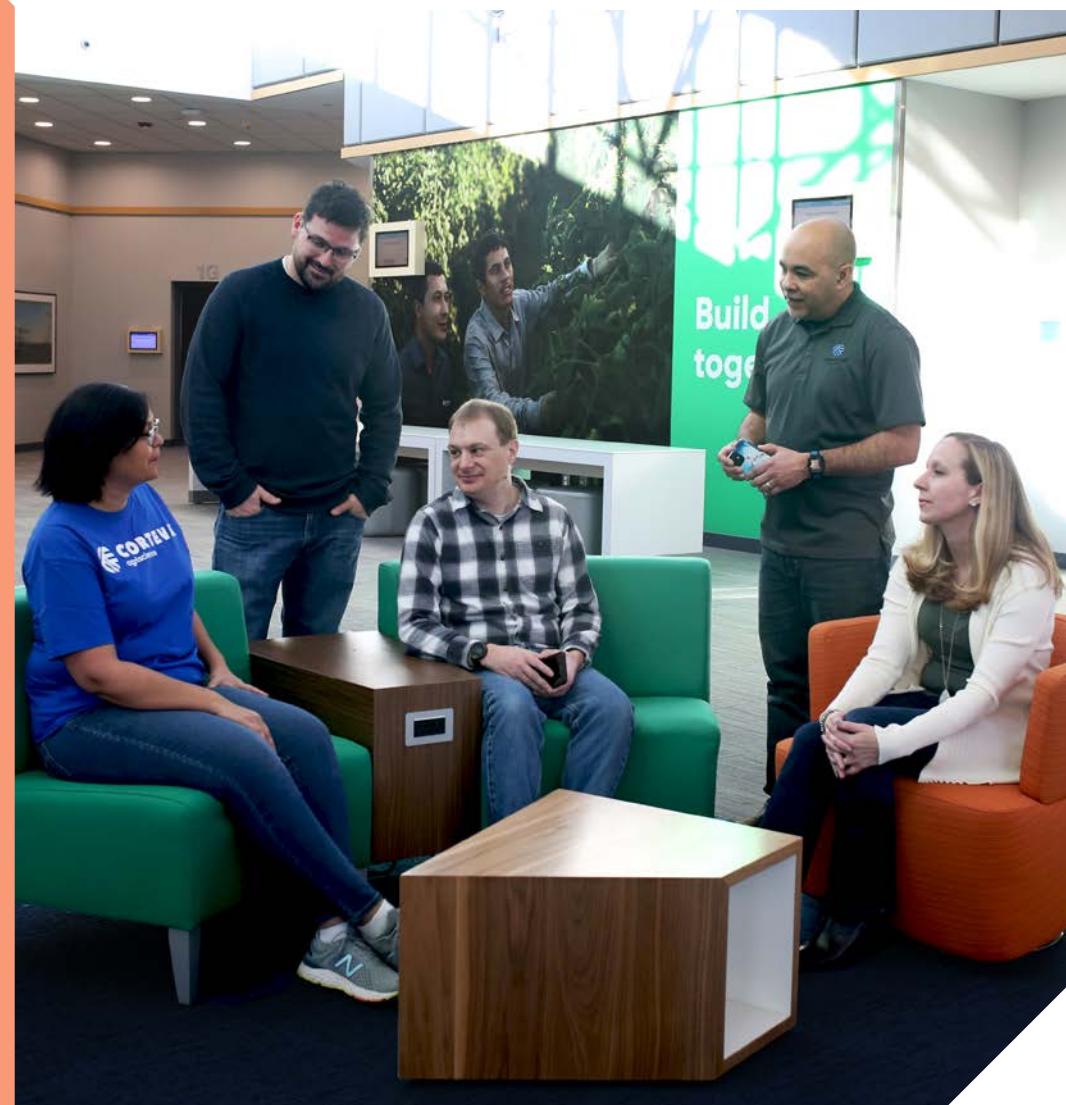
Corteva Agriscience provides resources and funding to eight [Business Resource Groups \("BRGs"\)](#) – each made up of dedicated colleagues who volunteer their time and talents to bring people together, serve our communities and promote ongoing dialogue and learning to accelerate our journey. Currently, 20% of our employees (including 35% of people leaders) belong to at least one of these groups, and these numbers continue to grow.

In 2021, our Growing Asian Impact Network ("GAIN") led efforts to educate employees about the rise in anti-Asian American and Pacific Islander ("AAPI") rhetoric and violence across the United States, including prompting executive-led listening sessions and hosting AAPI Heritage Month events to create awareness of and appreciation for the diverse cultures represented within the AAPI community.

Corteva Pride, in collaboration with our Supplier Diversity, Total

Rewards, Community Investment, and Government Affairs teams, spearheaded efforts leading to Corteva's perfect scores on the Human Rights Campaign ("HRC") Corporate Equality Index, the HRC Equidad MX, and the National Business Inclusion Consortium ("NBIC") Best-of-the-Best Corporations for Inclusion.

Recognitions such as these inspire us to continue cultivating an inclusive workplace and strong culture of belonging for all colleagues.



Disability Awareness Network  
Corteva Agriscience



Global African  
Heritage Alliance  
Corteva Agriscience



Growing Asian Impact Network  
Corteva Agriscience



Latin Network  
Corteva Agriscience



Professional Learning  
Acceleration Network  
Corteva Agriscience



Pride  
Corteva  
Agriscience



Veterans Network  
Corteva Agriscience



Women's  
Inclusion Network  
Corteva Agriscience



# PROMOTING SOCIAL AND ECONOMIC DEVELOPMENT OF UNDERREPRESENTED GROUPS IN BRAZIL

In 2021, our Brazil team continued to expand ID&E progress with impactful initiatives, including a new internship program focused specifically on the inclusion of diverse candidates, as well as efforts to promote the social and economic development of the lesbian, gay, bisexual, transgender and intersex ("LGBTI+") community and other underrepresented groups through public commitments and active engagement within advocacy organizations.

Programs such as these helped earn the company first place in the agribusiness category of "Women in Leadership," a survey highlighting best practices and policies supporting gender equity among major companies in Brazil. We also ranked fifth in Brazil's Corporate Racial Equity Index ("IERE"), which evaluates company activities around racial inclusion and equality.



# SHOWCASING THE DIVERSITY OF THE AMERICAN FARMER

Farmers and ranchers are at the heart of everything Corteva Agriscience does. In 2021, we launched a farmer-focused documentary series called [The Heart of the Farm](#), featuring stories that demonstrate the diversity of the American farmer.

The series surpassed 5 million views on YouTube, and Corteva received recognition in several leading advertising trade publications.



# ESG DISCLOSURES

IN IT  
FOR  
GOOD.

## ESG DISCLOSURES

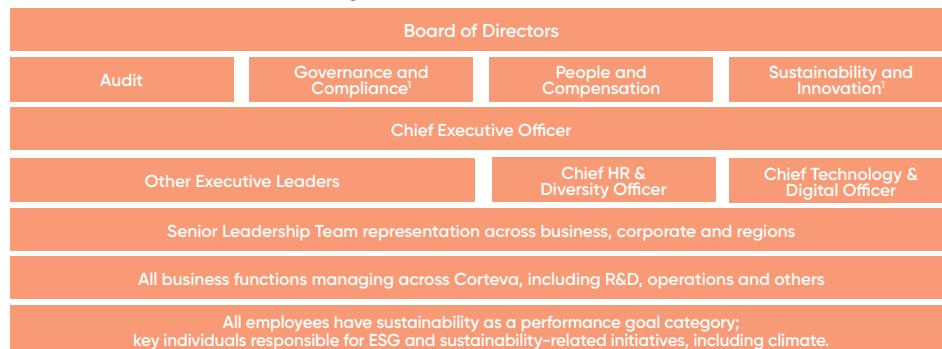
# SUSTAINABILITY AND ESG GOVERNANCE

**CORTEVA BOARD COMMITTEES**

The Board of Directors ("the Board") and its Committees maintain oversight of sustainability and climate-related risks and opportunities.

The Board Committee with primary responsibility for sustainability-related topics is the Sustainability and Innovation ("S&I") Committee.<sup>1</sup> The S&I Committee oversees Corteva Agriscience's performance toward our sustainability commitments and sustainability-related matters and provides oversight of the risks related to the company's innovation pipeline and climate change commitments. In addition, our Governance and Compliance Committee retains oversight of our ethics and compliance and safety programs, which reinforce our values. Our People and Compensation Committee oversees the company's human capital management and inclusion, diversity and equity ("ID&E") strategy. Our Audit Committee oversees the company's financing activities, cybersecurity programs and financial reporting practices, including certain ESG matters.

The Corteva Board delegates authority to management of the company, including financial, economic, environmental and social sustainability matters, to appropriate senior functional and business leaders ("executive management").



Several executive management members provide sustainability-related updates to the Board. For example, Corteva's Chief Technology and Digital Officer ("CT&DO") reports directly to our Chief Executive Officer ("CEO") and updates the S&I Committee on sustainability matters, including climate-related topics, at least annually, and usually quarterly. In addition, the Vice President of Global Environment, Health, Safety & Security ("EHS&S") reports to the Governance and Compliance Committee. Both are responsible for driving progress on certain sustainability and climate-related matters. The Chief Human Resources & Diversity Officer provides regular

updates to the People and Compensation Committee on the company's progress towards its ID&E targets. The other executive management team is also responsible for advancing the company's strategy within their business or function on climate-related matters and is responsible for its business performance.

On a regular basis, and usually monthly, the executive management team meets to discuss economic, social and environmental topics. As part of these meetings, the executive management team is accountable for updates and coordinating contributions to the advancement of our sustainability program and targets. For certain topics, working groups are assembled to oversee work aimed in part to support climate-related advancements.

Sustainability, ethics and ID&E matters are supported by teams that make recommendations to our executive management and the Board and its Committees, as applicable, to gain alignment on sustainability strategy and performance, including climate-related matters, and drive implementation of Corteva's sustainability initiatives.

At Corteva, sustainability matters are assessed and managed across all businesses on a regular basis as an integral part of business operations and strategy.

Accountability for business and sustainability results extend company wide. Following an evaluation in 2021, an ESG modifier was incorporated into the Company's 2022 short-term incentive program for executives, including a focus on increasing year-over-year sales of sustainable crop protection products and progress on the Company's ID&E initiatives. All employees have sustainability as a performance goal category for annual performance assessments. Across the business, key individuals who are responsible for sustainability initiatives including climate-related initiatives may have annual performance goals tied to the delivery of projects related to these initiatives.

Our commitment to sustainability and corporate responsibility is integrated into our business through our purpose, values, governance structures and business model. Our sustainability management processes are designed to keep the organization informed about significant economic, environmental and social sustainability issues affecting the company. This reflects the focus of our leadership team and Board of Directors on ensuring that Corteva consistently advances the future of agriculture.

**CLIMATE**

The S&I Committee's charter explicitly designates committee responsibility for oversight of climate-related risks and opportunities, with the responsibility to review and monitor the Company's climate change risks, plans, goals and targets, as well as its progress against such goals and targets, annually on behalf of the Board.

<sup>1</sup> Prior to April 29, 2022, the S&I Committee was the Sustainability, Safety & Innovation Committee and the Governance and Compliance Committee was the Nomination and Governance Committee.

**ESG DISCLOSURES**

# SUSTAINABILITY AND ESG GOVERNANCE

At Corteva, climate-related risks and opportunities are assessed and managed across all businesses on a regular basis. Management regularly assesses and manages climate related issues as risks and as strategic opportunities for innovation and operational efficiency. One example is the opportunity for existing and new products and service offerings to meet the anticipated demands of climate-smart agriculture that improves productivity and mitigates the impact of more extreme and volatile weather. Climate-related management spans multiple functions across Corteva, including Corteva's R&D, operations and others. R&D considers long-term climate change impacts and opportunities in the development of the next generation of products. Manufacturing operations monitor, manage and respond to short-term and medium-term climate-related impacts and opportunities, and others.

**INCLUSION, DIVERSITY & EQUITY (ID&E)**

Embracing ID&E starts with our Board including the People and Compensation Committee, which is regularly monitoring our progress and helps guide and direct our efforts. Our Executive Leadership Team also fully supports this commitment, and our CEO, Chuck Magro, reaffirmed its importance by making ID&E a key component of the business priorities he's established for our organization.

**INFORMATION SECURITY & PRIVACY**

Corteva Agriscience has a robust information security training and compliance program annually, which includes components such as phishing, logical access and general cybersecurity awareness. Corteva's Chief Information Security Officer reports to the Audit Committee on information security matters at least annually. In addition, the company is externally audited against top information security and compliance standards using a financial reporting risk-based approach, with complete corporate scope. Corteva's security policies are derived from globally recognized National Institute of Standards and Technology standards.

Corteva also has a robust privacy program that is part of the Corteva Risk 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 the Ethics and Compliance committee annually with interim reports on a quarterly basis.

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

However, to date, Corteva has not experienced any material financial impact, changes in its competitive environment or impact on business operations from these events. Although management does not believe that Corteva has experienced any material losses to date related to industrial espionage and security breaches, including cybersecurity incidents, there can be no assurance that Corteva will not suffer such losses in the future.

Corteva has had no substantiated complaints received from a regulator or outside party related to a Corteva breach in 2021, as that term is defined by applicable law. Corteva does not categorize events as "leaks, thefts or losses of customer data" and so we are unable to provide reporting for those requested categories.

**SUPPLY CHAIN RESPONSIBILITY**

Suppliers are required to agree or attest to our Supplier Code of Conduct within their contract terms, including acknowledging our zero tolerance policy on human rights violations. While Corteva has an important role to play in these issues, risks may occur within the supply chain.

Corteva, together with its worldwide subsidiaries and joint ventures, requires that all of its global vendors, contractors and suppliers of any product or raw material, wherever it originates, apply its [Human Trafficking, Child Labor and Forced Labor Principles](#). The [Supplier Code of Conduct](#) and Human Trafficking, Child Labor and Forced Labor Principles expressly outline zero tolerance on these issues, and if a company is in violation of said principles, the contract would ultimately be terminated. Additionally, it is the responsibility of local management to implement and ensure compliance with these Principles at Corteva facilities in each region around the world. In addition, the Supplier Code of Conduct outlines expectations for environmental partnership, including systems and reporting.

Our work with suppliers is supported by our membership in Together for Sustainability ("TfS") and the tools they offer to chemical companies and their suppliers, such as frameworks, TfS assessments and social and environmental TfS audits. Today, there are certain additional documented processes beyond the Supplier Code of Conduct in place to consider factors such as environmental management, health and safety in screening new suppliers or partners. The Supplier Code of Conduct states that we will choose to work with partners who seek to implement sustainable production processes and who proactively minimize the environmental impact of their operations.

Additional details regarding diversity and sustainability expectations for our suppliers can be found on the [Supplier Sustainability and Diversity website](#) and in the [Supplier Code of Conduct](#).



**ESG DISCLOSURES**

# SUSTAINABILITY AND ESG GOVERNANCE

**EXTERNAL INITIATIVES, MEMBERSHIPS AND PARTNERSHIPS**

Corteva is involved in memberships, sponsorships and partnerships advancing sustainability efforts globally. Memberships, sponsorships and partnerships are critical to driving collective action on the global challenges facing agriculture and are an important channel for stakeholder feedback. Corteva endeavors to take an active participatory role through its involvements. Examples include:

***United Nations Sustainable Development Goals***

Corteva supports advancing progress towards the [United Nations Sustainable Development Goals \("UN SDGs"\)](#) by aligning our sustainable innovation pipeline with UN SDGs 2, 6, 12, 13, and 15. In addition, Corteva has aligned its focus areas and non-financial materiality assessment<sup>1</sup> to at least one particular UN SDG.

***United Nations Global Compact***

Corteva supports the ten principles of the UN Global Compact. The UN Global Compact 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 Sustainable Development Goals, with an emphasis on collaboration and innovation. See Corteva's [Communication on Progress \(CoP\)](#).

***Precautionary Approach/UN Global Compact Principle 7***

Corteva applies the Precautionary Approach advocated by UN Global Compact Principle 7. Consistent with the interpretation of many countries and organizations, Corteva interprets the UN's Precautionary Approach as a regulatory best practice and not as anti-technology. Corteva follows the precautionary principle by applying its classic definition: taking measures to "do no harm." We take appropriate actions to prevent harm through a rigorous scientific approach and follow regulatory best practices and requirements when we bring new products to market.

We diligently assess and employ safety measures to manage environmental, health and safety risks. In addition, we conduct risk assessments as we bring new technologies to market and employ industry-leading tools, such as our Predictive Safety Center, to design with relevant factors in mind. There is some uncertainty in that risk assessment, so safety measures are put in place. [See Product Stewardship](#) in this section for additional details on these measures.

***Sustainability Accounting Standards Board ("SASB")***

We follow the approach of SASB, beginning with drawing on SASB material topics as part of a non-financial materiality assessment<sup>1</sup> development, and now by including a SASB reference as part of our inaugural sustainability report.

***Task Force on Climate-related Financial Disclosures ("TCFD")***

As part of our continuing science-based journey, we are sharing progress in line with TCFD guidelines on governance, strategy, risk management and target setting for climate-related risks and opportunities.

***Science Based Targets Initiative ("SBTi")***

SBTi is a partnership between CDP, the United Nations Global Compact, World Resources Institute ("WRI") and the World Wildlife Fund ("WWF"). SBTi drives ambitious climate action in the private sector by enabling companies to set science-based emissions reduction targets. Corteva has committed to setting Science Based Targets for greenhouse gas emissions reductions. Since our last report, we have started the process of validating near-term GHG emission reduction options with the Science-Based Targets initiative ("SBTi").

***Responsible Care Program***

Responsible Care® is the chemical manufacturing industry's environmental, health, safety and security performance initiative. For more than 30 years, Responsible Care has helped American Chemistry Council member companies, like Corteva, significantly enhance their performance and improve the health and safety of their employees, the communities in which they operate and the environment.

***Together for Sustainability ("TfS")***

Corteva is a member of TfS, a global, procurement-initiative that delivers, delivers a framework with tools such as TfS Assessments and TfS Audits to assess and improve the sustainable performance of chemical companies and their suppliers. TfS has extended its program now including scope 3 GHG emissions. TfS delivers the de facto global standard for environmental, social and governance performance of the chemical supply chains. The program is based on the UN Global Compact and Responsible Care® principles.

1. The non-financial materiality assessment identifies sustainability topics of relative importance or that are considered significant to internal and external stakeholders but is not aligned to any definition of materiality as outlined in securities law, the Occupational Safety and Health Act, or any other federal, state, local or foreign law, rule, or regulation.

## ESG DISCLOSURES

# SUSTAINABILITY AND ESG GOVERNANCE

***Ag Container Recycling Council ("ACRC")***

Corteva is a member of the ACRC, an industry funded nonprofit organization that safely collects and recycles agricultural crop protection, animal health and specialty pest control product containers (Jugs and Drums) in the United States. ACRC stewardship of containers does not end with collection. To ensure that the collected plastic is handled safely during processing and used only for end uses that have minimal contact with humans, the ACRC audits all processing and end use manufacturing facilities for compliance with all applicable health, safety and environmental regulations.

***World Business Council for Sustainable Development ("WBCSD")***

Corteva is a member of the WBCSD, a global, CEO-led organization of over 200 leading businesses working together to accelerate the transition to a sustainable world. The organization focuses on the maximum positive impact for shareholders, the environment and societies. As a member, Corteva colleagues actively participates and provides technical expertise to working groups and initiatives as part of the WBCSD.

**ENGAGEMENT WITH STAKEHOLDERS**

Stakeholder engagement is an essential element of our sustainability and ESG strategy. Corteva believes that companies contribute to sustainable growth efforts by engaging in regular, open dialogue with stakeholders about community and company issues and working together to solve problems. We value the perspectives and insights of a wide range of stakeholders who have a stake in stewarding the future, including employees, suppliers, customers, stockholders, peer companies in the value chain, nonprofits, communities, government bodies, scientists and trade associations. Corteva regularly meets or engages with these stakeholders including our stockholders in a variety of ways throughout the year. Discussion about engagement efforts with stockholders can be found in our [Proxy Statement](#).

Understanding the needs and interests of our stakeholders has been crucial to focus our strategy, identify priorities and target activity where we can have the most positive impact. We have engaged stakeholders in our non-financial materiality assessment,<sup>1</sup> and stakeholder feedback was incorporated into our planning and is reflected in this report.

This engagement remains equally crucial as we monitor and report on progress. Collaboration will be necessary to achieve measurable progress on social and environmental topics. We can achieve more when we work together and when we start with those who already have a stake in stewarding our future. Stakeholder engagement can take many forms, including but not limited to education and information sharing, innovation and collaboration, consultation, incentivization, compliance, onboarding and information collection.

1. The non-financial materiality assessment identifies sustainability topics of relative importance or that are considered significant to internal and external stakeholders but is not aligned to any definition of materiality as outlined in securities law, the Occupational Safety and Health Act, or any other federal, state, local or foreign law, rule, or regulation.

We are committed to continuing to engage stakeholders through our Enriching Lives Together Sustainability Strategy, consistent with [our purpose and values](#). Our engagement with stakeholders is guided by our [Privacy Statement](#), which describes our practices in connection with information that we collect.

Our Code of Conduct sets out the standards expected from all our employees when engaging with outside stakeholders and one another. We expect our employees to carry out business activities ethically and in compliance with applicable laws.



## ESG DISCLOSURES



# ENVIRONMENT

In 2019, Corteva designed and implemented its own company-wide global environmental management system ("GEST") to track environmental metrics, as the DowDuPont<sup>1</sup> environmental metrics, goals, and data management systems were not designed to capture or extract information specifically related to the agriculture business as it now exists following its separation from DowDuPont. GEST includes the necessary inputs for environmental parameters relevant to the effective management and monitoring of operations as well as climate-related risks and opportunities. This system is consistent with Responsible Care® standards as well as other globally accepted standards for specific environmental tracking such as the Greenhouse Gas Protocol. Data integrity is governed through a global data management standard.

Starting in 2020, Corteva began to collect baseline environmental data from around the world into GEST, to assess and monitor key environmental metrics across Corteva's owned and controlled footprint globally. Unless otherwise stated, the below data covers all sites globally which are reporting into the GEST system, for the full year 2021. Corteva continues to assess calculation adjustments as we look to further understand, adjust and improve our environmental disclosure process, strategy and efforts.

## CLIMATE RISKS, OPPORTUNITIES & MANAGEMENT

Corteva believes that climate change is an important global environmental concern that presents risks and opportunities. In 2021 Corteva initiated an internal qualitative risk and opportunity assessment process to identify climate-related risks and opportunities, which can help to address climate-related risks. This assessment concluded in April 2022.<sup>2</sup>

Corteva integrates processes for identifying, assessing and managing climate-related risk into its enterprise-wide risk management. We specifically included climate-related risks and opportunities in our monitoring and management processes when Corteva became an independent public company. With oversight by the S&I Committee, and CT&DO, climate-related risks are monitored, managed and mitigated across all business and operational functions on a regular basis.

In 2019, Corteva completed its first non-financial materiality assessment<sup>3</sup> and developed a global environmental metrics tracking system ("GEST") to gather data from sites globally related to GHG emissions and other environmental factors related to climate. Such processes enable us to make risk-informed decisions over the short, medium, and long term across all businesses and geographies.

Management regularly assesses and manages climate-related issues, as a risk and as a strategic opportunity for innovation and operational efficiency, with delegation of monitoring at multiple levels of the organization. This spans multiple areas across Corteva – including R&D, operations and others. As we consider capital investment, we consider impact on emissions, along with other factors including return on investment. R&D considers long-term climate change impacts and opportunities in the development of the next generation of products. Manufacturing operations monitor, manage and respond to short-term and medium-term climate-related impacts and opportunities. The Sustainability and Innovation Committee provides oversight of the Company's innovation pipeline and sustainability efforts.

1. "DowDuPont" refers to DowDuPont Inc. and its subsidiaries prior to the separation of Corteva on June 1, 2019, where Corteva became an independent, publicly traded company.

2. Although Environmental and Social data is as of December 31, 2021, this report contains information that has been updated through 2022, including the Task Force on Climate-Related Financial Disclosures (TCFD) qualitative assessment completed by Corteva in April 2022.

3. The non-financial materiality assessment identifies sustainability topics of relative importance or that are considered significant to internal and external stakeholders but is not aligned to any definition of materiality as outlined in securities law, the Occupational Safety and Health Act, or any other federal, state, local or foreign law, rule, or regulation.



## ESG DISCLOSURES



# ENVIRONMENT

## PHYSICAL RISKS

IMPACTS TO FARMERS FROM EXTREME WEATHER EVENTS	Risk Type & Primary Climate-Related Risk Driver	Where in the value chain does the risk driver occur?	Time Horizon	Likelihood of Risk	Potential Impact to Corteva	Velocity of Risk
	Increased severity and frequency of extreme weather events	Downstream	2040	High	High	Medium 5-10 Years
What is the risk?	Acute physical impacts such as extreme weather events may have further impact on farmer productivity, with intensities varying across time and geographic location. Climate change may also affect the availability and suitability of arable land and contribute to unpredictable shifts in the average growing season and types of crops produced. For example, acute impacts from climate such as wildfires, floods and heat waves may impact crop yield, potentially influencing Corteva's sales.					
What is Corteva doing about it?	<ul style="list-style-type: none"> <li>Extreme and volatile weather due to climate change may have an adverse impact on our customers' ability to use the company's products, potentially reducing sales volumes, revenues and margins. The company continuously evaluates opportunities for existing and new product and service offerings to meet the anticipated demands of climate-smart agriculture and mitigate the impact of extreme and volatile weather. The company integrates processes for identifying, assessing and managing climate-related risk into its overall risk management and research and development decisions.</li> <li>Corteva's <a href="#">2021 Climate Positive Leaders Program</a> is a nomination-based recognition program designed to identify the farmers and ranchers who are early adopters in climate positive practices. Nominees were considered based upon their implementation and scale of sustainable techniques. The program gives winners a platform to broadly share their experiences advancing climate positive practices in agriculture.</li> </ul>					
IMPACTS TO CORTEVA SITES AND SUPPLY CHAINS FROM EXTREME WEATHER EVENTS	Risk Type & Primary Climate-Related Risk Driver	Where in the value chain does the risk driver occur?	Time Horizon	Likelihood of Risk	Potential Impact to Corteva	Velocity of Risk
What is the risk?	Increased severity and frequency of extreme weather events	Direct Operations	2040	High	Medium	Medium 5-10 Years
What is Corteva doing about it?	<p>Increased severity and frequency of extreme weather could create a greater need to advance seed production technologies and adapt planning for parent seed. In crop protection, extreme weather events and shipping supply constraints may cause delays in sourcing, moving and manufacturing product. Disruptions in shipping may provide challenges in a just-in-time system, potentially resulting in building extra inventory to provide a buffer, which may increase costs to Corteva and/or impact margins.</p> <ul style="list-style-type: none"> <li>Corteva's multi-channel supply chain can react quickly to changing customer needs while providing R&amp;D with tremendous amounts of data to analyze and incorporate into resource allocation decisions. The company continues to invest in and build capabilities that drive value via data digitization and analytics that enable it to create an even more responsive and efficient answer to customer needs.</li> <li>The company is committed to engaging with multiple stakeholders and partners around the globe who have innovative and actionable ideas to help safeguard the health and well-being of the planet and its people. By doing more to address climate change today, the company is fortifying its ability to grow food, grow progress and build a sustainable industry that will help humanity thrive for generations to come.</li> </ul>					

## ESG DISCLOSURES



# ENVIRONMENT

## TRANSITION RISKS

PRESSURE FOR RETURNS MAY INCENTIVIZE POORER CLIMATE OUTCOMES	Risk Type & Primary Climate-Related Risk Driver	Where in the value chain does the risk driver occur?	Time Horizon	Likelihood of Risk	Potential Impact to Corteva	Velocity of Risk
	Government Policy, Technology Development	Direct Operations and Upstream	2040	Medium	High	Medium 5-10 Years
What is the risk?	Governments may take action or set policy that bans or discourages the use of GMOs or crop protection products widely, thereby making investments in new, more sustainable products less profitable and riskier. Increasingly complex regulatory approval processes have resulted in additional testing needs, difficult to predict and longer approval timelines, and higher development and maintenance costs for our products. The associated costs of that process, and the potential lack of market uptake, make R&D investment decisions a key risk area for Corteva. The potentially high costs of investing in new climate-related products and technologies that fail either during the discovery, development and approval process or in market acceptance could significantly impact the company's future success.					
What is Corteva doing about it?	<ul style="list-style-type: none"> <li>Continuing political and social attention to climate change and its impacts has resulted in regulatory and market-based approaches to limit greenhouse gas emissions. The company is engaging with stakeholders and participating in the political process to educate on the opportunities for sustainable climate change mitigation that both enables farmers to meet the demands of a growing population and secures the economic future for the vast majority of the world's population who depend on agriculture for their livelihoods.</li> <li>Corteva's stringent safety standards, and those of regulatory bodies around the world, help ensure our products contribute to the delivery of safe and reliable food while supporting efforts to protect the environment. <a href="#">Corteva provides information</a> about the product development, scientific assessment and regulatory processes for crop protection products, and how they contribute to this goal.</li> </ul>					

## TRANSITION RELATED OPPORTUNITIES – DIRECT OPERATIONS

MANAGE FOOTPRINT OF OUR OPERATIONS	Risk Type & Primary Climate-Related Risk Driver	Where in the value chain does the opportunity driver occur?	Time Horizon	Likelihood of Opportunity	Potential Impact to Corteva	Velocity of Opportunity
	Government Policy, Technology Development	Direct Operations	2040	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?	<ul style="list-style-type: none"> <li>Corteva is working to shrink its role in the emission of greenhouse gasses while enabling a more resilient agriculture value chain. Corteva has an established climate strategy, including appropriate Scopes 1, 2 and 3 greenhouse gas reduction targets.</li> <li>Read more in <a href="#">Our Focus Areas: Greenhouse Gas Emissions</a> to see how Corteva is increasing energy efficiency tied to Scope 1 &amp; 2 emissions at manufacturing and head office facilities.</li> </ul>					



## ESG DISCLOSURES



# ENVIRONMENT

## TRANSITION RELATED OPPORTUNITIES – UPSTREAM

VALUING CLIMATE RESILIENT PRODUCTS	Risk Type & Primary Climate-Related Risk Driver	Where in the value chain does the opportunity driver occur?	Time Horizon	Likelihood of Opportunity	Potential Impact to Corteva	Velocity of Opportunity
	Government Policy, Market Demand	Upstream	2040	High	Low	High < 5 Years
What is the opportunity?	Climate regulations may support accelerated efforts for climate resilient agriculture, spanning potential mitigation and emissions reduction and carbon sequestration opportunities. For example, Corteva can partner with customers and offer digital tools and products to help them access market opportunities for climate resilient or low-carbon agricultural products.					
What is Corteva doing about it?	<ul style="list-style-type: none"> <li>Corteva 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.</li> <li>Corteva's <a href="#">Carbon &amp; Ecosystems Services Portfolio</a> is designed to simplify and enable the path to profitability for farmers who adopt new climate positive practices for sequestering carbon and reducing on-farm greenhouse gas emissions. This initiative leverages the full spectrum of our seed, crop protection, digital technology 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.</li> </ul>					
TARGETED AND INTEGRATED CROP TECHNOLOGIES	Risk Type & Primary Climate-Related Risk Driver	Where in the value chain does the opportunity driver occur?	Time Horizon	Likelihood of Opportunity	Potential Impact to Corteva	Velocity of Opportunity
	Market Demand	Upstream	2040	High	High	High < 5 Years
What is the opportunity?	Corteva has opportunities related to the integration of crop protection, seed and digital solutions. 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 and mitigation efforts.					
What is Corteva doing about it?	<ul style="list-style-type: none"> <li>Corteva's <a href="#">Granular Agronomy</a> provides custom nitrogen prescriptions and application timing recommendations that deliver higher yield, more precise applications and lower input costs for growers. The platform offers real-time daily field nitrogen monitoring that prioritizes a farmer's fields based upon changing weather patterns, and accounts for zone variability as the seasons unfold. U.S. farmers on average could increase yield up to 7 bushels/acre, save 5 lb of nitrogen/acre and realize up to \$25/acre return through Granular's new digital features and service offerings focused on nitrogen.</li> <li>Read more in <a href="#">Our Focus Areas: Innovation</a> about one example of a solution that supports on-target crop protection along with a seed product.</li> </ul>					



## ESG DISCLOSURES

# ENVIRONMENT

## TRANSITION RELATED OPPORTUNITIES – UPSTREAM

CROP PROTECTION TECHNOLOGIES	Risk Type & Primary Climate-Related Risk Driver	Where in the value chain does the opportunity driver occur?	Time Horizon	Likelihood of Opportunity	Potential Impact to Corteva	Velocity of Opportunity
	Market Demand	Upstream	2040	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 to increase market demand for products that improve nitrogen efficiency, which reduces emissions while supporting farmer profitability.					
What is Corteva doing about it?	<ul style="list-style-type: none"> <li><a href="#">Corteva and Symborg's agreement</a> enables the global distribution of microbe-based nitrogen fixation product BlueN™ or Utrisha N™, a unique endophytic bacterium that fixes nitrogen from the air and converts it for plants. The technology provides a sustainable alternative source of nitrogen that reduces dependency on nitrogen uptake from the soil and ensures the plant has access to nitrogen all season long. This nitrogen management solution can help growers maximize yield potential for a broad range of crops, including fruits, vegetables, tree nuts, field and row crops, sugar cane, turf and ornamental, and range and pasture.</li> <li>Corteva launched <a href="#">PinnitMax® TG</a>, a new above-ground nitrogen stabilizer that helps protect urea and UAN applications from volatilization for up to 14 days, which helps ensure nitrogen gets into the root zone for maximum yield potential.</li> <li>Corteva's exclusive <a href="#">Optinyte™ technology</a> found in N-Serve and Instinct reduces denitrification, reducing the escape of greenhouse gases into the atmosphere. Conclusions from a meta-analysis were that, on average, use of Optinyte™ technology resulted in a 51% reduction of nitrous oxide (<math>N_2O</math>) 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. Instinct can also be mixed into liquid manure applications, providing a 10-12 bushel per acre yield increase and reduced grain moisture by 1.3% during harvest.</li> </ul>					
	<div style="display: flex; align-items: center;"> <div style="flex: 1; background-color: #f0e6d2; padding: 10px; margin-right: 20px;"> <p><b>Environmental Benefits</b></p> <ul style="list-style-type: none"> <li>Stabilized nitrogen reduces leaching or loss from denitrification</li> <li>Less nitrate loss in waterways</li> <li>Reduces emissions of greenhouse gases into the atmosphere</li> </ul> </div> <div style="flex: 1; background-color: #f0e6d2; padding: 10px; margin-right: 20px;"> <p><b>Crop Benefits</b></p> <ul style="list-style-type: none"> <li>Nitrogen remains available in the root zone longer for crop uptake</li> <li>Increased yield in corn (maize), cereals and many other crops</li> <li>Improves crop quality and plant health</li> </ul> </div> <div style="flex: 1; position: relative;"> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; background-color: white; opacity: 0.9; z-index: 1;"></div> <div style="position: absolute; top: 0; left: 0; width: 100%; height: 100%; 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<https://www.corteva.ca/content/dam/dpacgo/corteva-na/ca/en/files/guide/DF-Article-Optinyte-Global-Environment-Guide.pdf>

\* Read more in [Our Focus Areas: Sustainable Innovation](#) to see how Corteva is supporting potential low carbon solutions tied to on-farm emissions, including our work in Green Chemistry.



## ESG DISCLOSURES



# ENVIRONMENT

## TRANSITION RELATED OPPORTUNITIES – UPSTREAM

ADVANCED SEED TECHNOLOGY	Risk Type & Primary Climate-Related Risk Driver	Where in the value chain does the opportunity driver occur?	Time Horizon	Likelihood of Opportunity	Potential Impact to Corteva	Velocity of Opportunity
	Government Policy, Technology Development	Upstream	2040	High	High	Medium 5-10 Years
What is the opportunity?	Corteva is exploring new technologies and climate-related products that may be developed through business incubation. New gene editing technologies, such as CRISPR, may allow Corteva to speed up trait development activities as well as integrate climate resiliency considerations into seed products.					
What is Corteva doing about it?	<ul style="list-style-type: none"><li>• P8888, an early-maturity silage corn hybrid contribute to increasing dairy farmers' value creation through a more flexible harvest time and higher milk production. The m3™ corn silage concept is the result of an innovative product development strategy created by the European team of Corteva Agriscience and aimed at providing dairy farmers with a high digestible energy yield per hectare.</li><li>• <a href="#">Corteva and the Broad Institute of MIT and Harvard</a> have entered into a non-exclusive research and commercial license agreement with Dutch vegetable seed breeder Bejo to access CRISPR-Cas9 intellectual property for researching genome editing. Increasing understanding of genetic editing will help farmers grow their crops in more sustainable ways and fulfill the increasing demand for healthy vegetable production that is more nutritious, more productive and more climate resilient.</li></ul>					

## TERMINOLOGY

## Climate-related risks and opportunities fall into two major categories: physical and transition.

- Physical impacts are driven by changes in temperature and precipitation that result in extreme weather events (e.g., hurricanes) or in longer-term shifts in climate patterns (e.g., sea level rise).
- Transition impacts arise from the transition to the low carbon economy, such as climate-related policies and regulations, costs of new technology, shifts in supply and demand, and reputation impacts from stakeholders.

## Likelihood and Impact

- The prioritization of risks and opportunities based on severity.

## Velocity

- The prioritization of risks and opportunities based on preparedness.



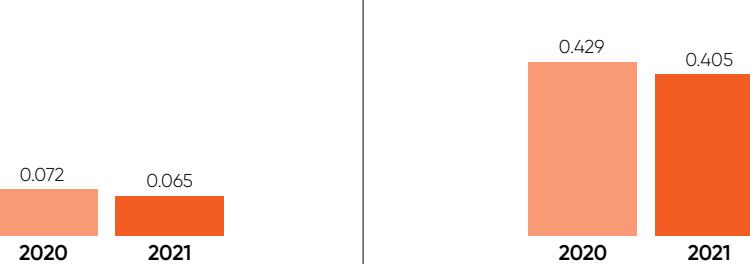
## ESG DISCLOSURES



# ENVIRONMENT

## GHG EMISSIONS

		GHG Emissions Current Intensity Ratio			
Current Intensity Ratio	kgCO <sub>2</sub> e/\$ Net Sales	Scopes 1 and 2		Scope 3	
		2020	2021	2020	2021
	Organization-specific denominator	\$ Net Sales		\$ Net Sales	
	Types of GHG emissions included	Scopes 1 and 2 together; Scope 3 separately		Scopes 1 and 2 together; Scope 3 separately	
	Gases included in the calculation CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFCs, PFCs, SF <sub>6</sub> , NF <sub>3</sub> or all	All		All	
	Note: 1 MT = 1,000 kg				





## ESG DISCLOSURES



# ENVIRONMENT

## GHG EMISSIONS

Type	Description	2020 Data	2021 Data
SCOPE 1	Gross Scope 1 GHG emissions	405,000 metric tons CO <sub>2</sub> e	400,000 metric tons CO <sub>2</sub> e (-1%)
	Gases included in the calculation: CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFCs, PFCs, SF <sub>6</sub> , NF <sub>3</sub> or all	All	All
	Biogenic CO <sub>2</sub> emissions in MT of CO <sub>2</sub> e	N/A	N/A
	Base year	2020; first full year of operation as Corteva	2020
	Consolidation approach	Corteva does not include sites that do not fall within our definition of Operational Control, defined as sites that Corteva has greater than 50% Operational Control. Corteva also excludes office buildings and warehouses, as these are deemed not to be material for our total GHG footprint.	
	Source of emissions factors and methodologies used	The methodologies identified to collect activity data and calculate emissions beginning in 2020 are the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) ("GHG Protocol"), 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 Scopes 1, 2 and 3 data. Emission factors and CO <sub>2</sub> e calculation methodologies have generally been derived from U.S. EPA Mandatory Greenhouse Gas Reporting Rule and the U.S. EPA Emissions & Generation Resource Integrated Database ("eGRID").	
SCOPE 2	Gross Scope 2 GHG emissions	620,000 MT CO <sub>2</sub> e	614,000 MT CO <sub>2</sub> e (-1%)
	Gases included in the calculation: CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFCs, PFCs, SF <sub>6</sub> , NF <sub>3</sub> or all	All	All
	Base year	2020	2020
	Consolidation approach	Corteva does not include sites that do not fall within our definition of Operational Control, defined as sites that Corteva has greater than 50% Operational Control. Corteva also excludes office buildings and warehouses, as these are deemed not to be material 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. The methodologies identified to collect activity data and calculate emissions beginning in 2020 are the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) ("GHG Protocol"), 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 Scopes 1, 2 and 3 data. Emission factors and CO <sub>2</sub> e calculation methodologies have generally been derived from U.S. EPA Mandatory Greenhouse Gas Reporting Rule and the U.S. EPA Emissions & Generation Resource Integrated Database (eGRID).	
UPDATES TO SCOPE 1 & 2 BASELINE		<p>Corteva continues to assess baseline adjustments of GHG emissions as we look to further understand, adjust and enhance our climate disclosure process and target setting while continuing to provide alignment with the Company's strategy.</p> <p>Corteva made the following changes to its 2020 Baseline:</p> <ul style="list-style-type: none"> <li>• Restated portion of electricity purchased at Pittsburg facility</li> <li>• Included accounting for steam Corteva purchased from 3rd parties</li> <li>• Corrected accounting of parent seed acres in order to align with Corteva's Operational Control approach</li> </ul>	



## ESG DISCLOSURES



# ENVIRONMENT

## GHG EMISSIONS

Type	Description	2020 Data	2021 Data
SCOPE 3	Gross Scope 3 GHG emissions	6,097,000 MT CO <sub>2</sub> e, the vast majority of which comes from Purchased Goods & Services	6,341,000 MT CO <sub>2</sub> e, the vast majority of which comes from Purchased Goods & Services (+4%)
	Gases included in the calculation: CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O, HFCs, PFCs, SF <sub>6</sub> , NF <sub>3</sub> or all	All	All
	Biogenic CO <sub>2</sub> emissions in MT of CO <sub>2</sub> e	N/A	N/A
	Base year	2020	
	Consolidation approach	The methodologies identified to collect activity data and calculate emissions beginning in 2020 include the Greenhouse Gas Protocol: Value Chain (Scope 3) Accounting and Reporting Standard ("GHG Protocol"). The GHG Protocol is our overarching framework for Scopes 1, 2 and 3 data. Emission factors and CO <sub>2</sub> e calculation methodologies have generally been derived from input-output datasets based on the World Input-Output Database (WIOD) and the Open IO Database.	
	Categories included	<ul style="list-style-type: none"><li>Category 1: Purchased Goods and Services</li><li>Category 2: Capital Goods</li><li>Category 3: Fuel- and Energy-Related Activities Not Included in Scope 1 or Scope 2</li><li>Category 4: Upstream Transportation and Distribution</li><li>Category 6: Business Travel</li><li>Category 7: Employee Commuting</li><li>Category 9: Downstream Transportation and Distribution</li></ul>	
BASELINE ADJUSTMENTS		Corteva continues to assess baseline adjustments of GHG emissions as we look to further understand, adjust and improve our climate disclosure process, strategy and efforts.  Corteva made the following changes to its 2020 Baseline: <ul style="list-style-type: none"><li>Restatement of accounting method regarding an IT Spend sub-category that was revised to adjust for the emission difference in IT hardware compared to software services.</li></ul>	



## ESG DISCLOSURES



# ENVIRONMENT

## ENERGY CONSUMPTION BY TYPE

	2020	2021	Energy Type	2020		2021		% of Total 2021	Change
	Metric Tons CO <sub>2</sub> e		(Joules or multiples thereof)	MMBTU	Gigajoules	MMBTU	Gigajoules	%	
Scope 1	405,000	409,000	Non-renewable fuel consumption	4,565,772	4,817,146	<b>4,664,702</b>	<b>4,921,522</b>	48%	+2%
			Renewable fuel consumption	1,420	1,498	<b>1,628</b>	<b>1,718</b>	< 1%	+15%
			Heating consumed & sold	-	-	-	-	0%	0%
			Cooling consumed & sold	-	-	-	-	0%	0%
Scope 2	620,000	614,000	Grid electricity	3,211,020	3,387,805	<b>3,351,985</b>	<b>3,536,531</b>	35%	+4%
			Steam	1,790,742	1,889,333	<b>1,688,553</b>	<b>1,781,518</b>	17%	-6%
			Renewable electricity (directly produced)	1,228	1,295	<b>1,247</b>	<b>1,315</b>	< 1%	+2%
			Self-generated energy	3,091	3,261	<b>2,314</b>	<b>2,442</b>	< 1%	-25%
<b>Total Energy Consumed</b>				<b>9,573,273</b>	<b>10,100,338</b>	<b>9,710,429</b>	<b>10,245,046</b>	100% <sup>1</sup>	+1%

1. 1% of Totals do not sum to 100% due to rounding.



## ESG DISCLOSURES



# ENVIRONMENT

## AIR EMISSIONS

## 2021 METRIC TONS

(1) Nitrogen Oxide ("NOx") (excluding N <sub>2</sub> O)	1,310
(2) Sulfur Oxide ("SOx")	450
(3) Volatile Organic Compounds ("VOCs")	330
(4) Hazardous Air Pollutants ("HAPs")	40

Corteva recently enhanced their reporting functionality to calculate air emissions from combustion sources. This will be applied to air data starting in 2022. Air emissions calculated in 2021 were calculated based on emission factors dependent on individual calculations. Corteva aligns with the U.S. EPA definition for Hazardous Air Pollutants which includes approximately 187 compounds unless the location's country has a different definition. Corteva's HAPs emissions are determined from global fuel combustions and process emissions from 5 U.S. crop protection manufacturing locations.

## WATER CONSUMPTION

## 2021 MILLION GALLONS

A: Withdrawal: Total municipal water supplies (or from other water utilities)	2,940
B: Withdrawal: Fresh surface water (lakes, rivers, etc.)	280
C: Withdrawal: Fresh groundwater	560
D: Withdrawal: Irrigation*	1,410
Water Shipped Offsite for Treatment	240
Total withdrawals (A + B + C + D)	5,180
E. Total discharges	820
Total net fresh water consumption (A + B + C – E – Water Shipped Offsite for Treatment)	2,720
Withdrawals from areas with high and extreme water stress	30

Corteva continues to assess calculation adjustments of water consumption as we look to further understand, adjust and improve our water disclosure process, strategy and efforts.

In 2021, certain efforts undertaken improved data capture quality. Corteva conducted education sessions at the facility levels of our key locations to enhance water consumption calculations. In addition, supporting networking with facility data owners assists us in logging and better understanding our water impacts globally.

\*Irrigation withdrawals occur from municipal water supplies, surface water, and groundwater.

## WASTE GENERATION

## 2021 METRIC TONS

A: Total non-hazardous waste	541,000
B: Non-hazardous waste	95,600
C: Non-hazardous waste - beneficial use	445,400
D: Hazardous waste	52,800
E: Hazardous waste – beneficial use	17,600
Total waste (excluding all beneficially used material) (B + D)	148,400
Total hazardous waste (D + E)	70,400
% of hazardous waste recycled	25%

Corteva continues to assess calculation adjustments of waste generation as we look to further understand, adjust and improve our waste disclosure process, strategy and efforts.

**Total Waste** – Non-hazardous waste and hazardous waste totals excluding all beneficially used material reported in metric tons.

**Beneficial Use** – Material that was not managed as a waste but reused/ repurposed in some manner. beneficial use quantities are not included in the total waste reported for Corteva.

## ESG DISCLOSURES

# ENVIRONMENT

**PRODUCT STEWARDSHIP**

Responsibly managing our products throughout their lifecycle is essential to us, our customers and the public. From concept to end-of-life of products, including training for product use, we employ strong governance and process rigor to accelerate productivity, differentiation and sustainable outcomes through [product stewardship](#). Process rigor extends to each stage of life, from pre-development to development and advancement, to launch of engine to post-launch monitoring, resulting in differentiated efficacy, durability and ability to help sustainably enhance customer productivity.

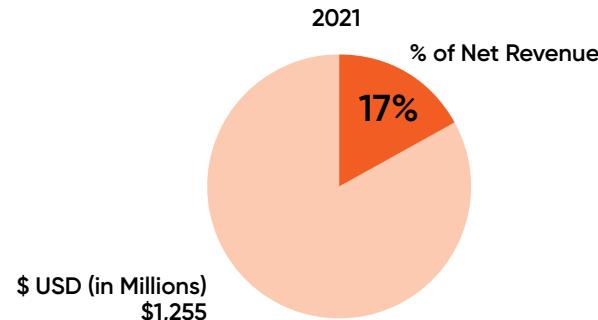
Corteva's stringent safety standards, as well as those of regulatory bodies around the world, help ensure our products contribute to the delivery of safe and reliable food. They also support efforts to protect the environment. Internally, a unique and proactive approach Corteva takes in this space includes our industry-leading Predictive Safety Center, which helps design crop protection products with environmental factors in mind as part of the product development process. Externally, we are aligned to the [FAO International Code of Conduct on Pesticide Management](#) and [Excellence Through Stewardship](#) best practices, and follow registrations, labeling and stewardship requirements in accordance with local country-level law.

Corteva's seed products containing biotechnology traits and crop protection products are closely regulated worldwide, with safety reviews and authorizations completed by individual countries. Each new product typically requires that the company seeking approval carry out an extensive set of studies as part of the submission and approval process. 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 the intended use. Corteva uses externally recognized methods to test our products, including meta-analysis, laboratory and field studies and local on-farm testing.

**GREEN CHEMISTRY PRINCIPLES FOR CROP PROTECTION**

Responsibly managing our products throughout their lifecycle is essential to us, our customers and the public. We employ strong governance and process rigor to accelerate productivity, differentiation and sustainable outcomes through product stewardship—from concept to end-of-life products—that includes training for product use.

Corteva actively engages in adherence to green chemistry principles aimed at reducing human and environmental impact. These principles are applied across our existing U.S. EPA Green Chemistry Challenge Award winners.

**CROP PROTECTION NET REVENUE FROM GREEN CHEMISTRY AWARD WINNERS****CUSTOMER INFORMATION AND LABELING**

Corteva works to ensure customer access to accurate and adequate information on the positive and negative economic, environmental and social impacts of products and services. Corteva complies with, and in some cases exceeds, the labeling requirements required to register and sell products locally. Corteva uses internal and external review processes to help ensure labeling procedures are followed. Corteva makes labels, safety data sheets and product use guides available online informationally.

See U.S. examples for:

- [Crop Protection Safety Data](#)
- [Trait Stewardship](#)
- [Plant Seed Transparency](#)

Global equivalents can be found here using the [country selector](#).

See more about regulatory considerations driving the requirements for our product safety and labeling in our [Annual Report](#) and our [Regulatory Data Transparency](#) website.



## ESG DISCLOSURES



# ENVIRONMENT

**CIRCULAR PACKAGING**

Corteva takes a circular economy approach to the use of packaging materials which are put on the market, to increase the potential for these packaging materials to be recycled and/or reused over time. Corteva is currently focused on the primary, secondary and tertiary packaging materials for the products that reach our customers.

Corteva has a global packaging council and regional packaging steering teams who build sustainable progress into packaging decisions relating to eco-design, rationalization, purchasing and supply across our regions, including ongoing support of ag container recycling and collection schemes globally.

**REUSABLE**

A packaging item will be considered as reusable if:

- It is designed to be reused; and
- There is a business model in place to re-use it.

**RECyclable**

A packaging item is recyclable if one of the following criteria is matched:

- A recycling stream exists and is used for the material of consideration of the item within our Crop Protection industry; or
- The item is made of a material for which a recycling stream outside of our Crop Protection industry exists.

In our industry, plastic, cardboard and paper are the dominant materials used to pack final products. Materials that are most often recycled after proper decontamination and for specific and monitored end use include high-density polyethylene ("HDPE") containers and external cardboard boxes.

In 2021, we identified the following opportunities to increase packaging circularity:

- Move from multi-material components to mono-material components
- Adjust components that can be redesigned without functionality or quality impact to achieve an optimum weight and performance ratio, including introducing a new, redesigned 1 L bottle which is 27% lighter than previous bottles for Corteva's European crop protection products.
- Analyze where virgin plastic can be replaced with more sustainable materials.
- Use recycled plastic to replace virgin plastic from the crude oil industry.

**LIFE CYCLE ASSESSMENT ("LCAs") COMPETENCY**

In early 2020, Corteva established an internal LCA competency. LCA is a science-based, holistic approach to quantifying environmental impacts throughout the value chain of a product or process. LCA is governed by a set of ISO standards. Industry, academia and government agencies have applied LCA for many purposes over the years. The vision and purpose for the LCA competency align with each of Corteva's Market Shaper behaviors and values.

Over the past year, Corteva has used LCA and its methodologies to:

- ✓ Provide subject matter expertise and guidance for leadership
- ✓ Understand the environmental footprint of select products
- ✓ Communicate with key stakeholders

Impacts are considered across the full value chain, including raw materials, 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.

## ESG DISCLOSURES

# SOCIAL

**WORKFORCE DEMOGRAPHICS**

At Corteva, ID&E is foundational to who we are and what we plan to achieve as a company. Since launching our ID&E strategy early last year, we have continued to establish the building blocks for accelerating our progress in this important area. These building blocks are starting to deliver positive results, as illustrated by the following metrics.

	<b>2020</b>	<b>2021</b>
<b>TOTAL EMPLOYEES, GLOBAL</b>	<b>-21,000</b>	<b>-21,000</b>
<b>% FTE BY LOCATION, GLOBAL</b>	<b>% OF TOTAL</b>	<b>% OF TOTAL</b>
North America	50%	48%
Latin America	16%	18%
Europe	16%	17%
Asia-Pacific	14%	13%
Africa	4%	4%
<b>% FTE BY AGE GROUP, GLOBAL<sup>1</sup></b>	<b>2020</b>	<b>2021</b>
15-30 Years	12%	11%
30-50 Years	63%	62%
50+ Years	25%	25%
<b>% ETHNIC DIVERSITY BY LEVEL, US ONLY<sup>2</sup></b>	<b>2020</b>	<b>2021</b>
Board of Directors (Exception, Global)	15%	15%
Executive	29%	28%
Senior Management	14%	19%
Professional/Management	17%	16%
Entry Level	15%	14%
Operations & Support	21%	21%
Share of women in management positions in revenue-generating functions (e.g., Sales) as % of all such managers (excluding support functions such as HR, IT, Legal, etc.)	18%	20%

1. FTE by Age Group, Global does not add up to 100% due to rounding.

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.



	<b>2020</b>	<b>2021</b>
<b>% FEMALE EMPLOYEES BY LEVEL, GLOBAL</b>		
Share of women in total workforce (as % of total workforce)	31%	32%
Target: 34% by 2026		
Board of Directors	31%	31%
Share of women in all management positions	28%	29%
Share of women in junior management positions	28%	29%
Share of women in top management positions	31%	27%
Share of women in management positions in revenue-generating functions	27%	29%
Entry Level	39%	40%

**DEMOGRAPHICS INCLUDE SALARIED AND HOURLY EMPLOYEES GLOBALLY AS OF DECEMBER 31, 2021**

Corteva continues to assess calculation adjustments of workforce demographics as we look to further understand, adjust and improve our disclosure process, strategy and future targets.

Corteva made the following changes to its 2021 workforce demographic calculation:

- Included employees of Granular, Inc., a wholly owned subsidiary of Corteva, which were not included in 2020 data calculations.

**ESG DISCLOSURES**

# SOCIAL

**NON-DISCRIMINATION AND HARASSMENT**

In addition to the Code of Conduct, Corteva Agriscience internally publishes additional detailed non-discrimination policies outlining expectations that apply to all Corteva employees globally. These policies discuss specific non-discrimination topics, including prohibiting sexual and other types of harassment and reinforcing escalation processes and corrective or disciplinary actions that may result. Employees are required to complete training courses on workplace discrimination and harassment on at least an annual basis (see [Employee Training & Development](#) in this section for more information).

**HUMAN RIGHTS ENFORCEMENT**

Incidents are reviewed regularly; Corteva discloses incidents to the Board of Directors on at least an annual basis and usually quarterly. In 2021, there were 28 substantiated reportable incidents globally of violations to the Discrimination, Harassment and Retaliation Prevention Policy or the Respect & Responsibility Policy. As result of these cases, 22 involuntary termination actions were taken, and five cases had disciplinary action and/or remediation plans implemented. One case resulted in voluntary resignation prior to Corteva being able to take involuntary termination action.

Corteva follows all employee laws by jurisdiction in the countries where we operate, most of which prohibit activities that involve child labor, forced or compulsory labor, violations of the rights of indigenous people or other human rights issues. To enforce these human rights principles in action, Corteva posts signage in physical offices and takes other proactive measures at a local level 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 Universal Declaration of Human Rights, ILO Declaration on Fundamental Principles and Rights at Work and Indian legal provisions on child labor. These risks may occur in a supply chain. See [Supply Chain Responsibility](#) for more information.

**EMPLOYEE TRAINING & DEVELOPMENT**

Training and development tools are provided to all employees through third parties and internally developed curricula for compliance, enrichment and upskilling. See more in our [2022 Proxy Statement](#).

Mandatory training for employees covers human rights parameters, including safety, information and personal security, inclusion, ethics, code of conduct, anti-corruption, harassment prevention, well-being and other topics. Each mandatory training has a targeted audience,



and many are company-wide requirements (e.g., Vehicle Safety, Harassment Prevention and Code of Conduct), as well as other targeted regional, country business or task-specific audiences (e.g., Antitrust Training and Procurement Procedures). Company-wide requirements are typically focused on the full-time and part-time workforce, whereas some are also required of contractors within the organization (e.g., Information Protection and Vehicle Safety).

In addition to training, other benefits such as paid tuition programs are offered.

**ENVIRONMENT, HEALTH, SAFETY & SECURITY (EHS&S)**

The Governance and Compliance Committee oversees enterprise EHS&S risks and periodically reviews metrics to track performance and focus improvement efforts. This includes reviewing and providing input to Corteva's management team regarding the management of current and emerging issues and reporting periodically to the Board of Directors on EHS&S, Distribution Safety & Security ("DS&S"), Quality and Product Regulatory Compliance & Stewardship matters affecting the company. Corteva's Responsible Enterprise Steering Team regularly reports to the Governance and Compliance Committee of the Board of Directors on EHS&S risk areas, progress and industry trends.

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 agriculture industry, we need to ensure that we provide the products they need in a safe and sustainable manner. For Corteva, that means protecting the health and well-being of our employees and their families, as well as our value chain partners and supplemental workforce. We introduced our Live Safely value to demonstrate our commitment to the safety of our people, the communities in which we operate and the environment. It represents Corteva employees' commitment to safety and our desire to make a difference in the way we live every day.

We are working to achieve our safety targets by:

- Driving elimination of severe incidents.
- Enrolling employees in the Corteva Total Worker Wellbeing ("CTWW") initiative to control workplace health risks, protect workers and improve the health of all employees.
- Implementing a framework to share expertise and information to help drive improved safety performance for our customers and the broader agriculture industry.

## ESG DISCLOSURES

# SOCIAL

## OCCUPATIONAL HEALTH & SAFETY ("OH&S")

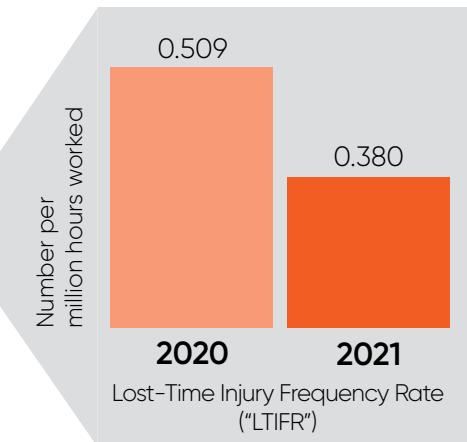
Our efforts to assess, monitor and reduce exposure of employees and contract workers to safety and health risks are guided by our EHS&S program, policies and standards. This includes efforts contributing to our safety improvement goals and is consistent with guidance in Corteva Agriscience's Code of Conduct.

Corteva maintains an OH&S management system that has been implemented based on legal requirements and recognized risk management standards and guidelines. One hundred percent of employee and contractor OH&S incidents are covered by the OH&S management system while the employees and contractors are working on site or on our behalf.

Data is provided in the format that best aligns to the multiple standards which request this information; units are therefore not standardized.

DATA POINT	UNIT	FY 2020	FY 2021	% CHANGE FROM PREVIOUS YEAR
Work-related fatalities – employees	Number	0	0	0
Work-related fatality rate for direct employees	Fatalities per 100 employees	0	0	0
Work-related fatalities – contractor	Number	0	0	0
Work-related fatality rate for contract employees	Fatalities per 100 contractors	0	0	0
Lost-Time Injury Frequency Rate ("LTIFR")	Number per million hours worked	0.509	0.380	-25%
Process Safety Events: Tier 1	Number per million hours worked	0.052	0.000	-100%
Total Recordable Incidents Count ("TRIR")	Injuries per 100 employees	0.350	0.360	2.8%
Process Safety Incidents Count ("PSIC")	Number of Tier 1 PSCE (Process Safety & Containment Event)	4	0	-100%
Process Safety Total Incidents Rate ("PSTIR")	Tier 1 PSCE events per 200,000 hours worked	0.010	0.000	-100%
Process Safety Incident Severity Rate ("PSISR")	L1/L2* events PSCE per 200,000 hours worked	0.039	0.026	-33.3%
Number of work-related transport incidents	Number per transport definition	7	3	-57.1%

\*L1 (most severe impact) and L2 (intermediate impact/high potential) is Corteva's internal classification for severity.



**ESG DISCLOSURES**

# SOCIAL

**POLITICAL GIVING AND PUBLIC POLICY**

Corteva actively participates in policy-related dialogue pertaining to agriculture that affects the lives of farmers, consumers, our operations, our employees and the communities in which they live. When engaging in the political process, Corteva always complies with U.S. federal, state and local political campaign finance and election laws.

Corteva publicly discloses details on its U.S. Political Giving on its [website](#).

Below is a summary of U.S. political contributions for 2020 and 2021:

U.S. POLITICAL CONTRIBUTIONS FOR 2021 IN USD	FY 2020	FY 2021
Lobbying, interest representation or similar	\$2,548,548	\$2,692,281
Local, regional or national political campaigns/organizations/candidates	\$37,850	\$144,490
Trade associations or tax-exempt groups (e.g., think tanks)	\$1,015,354	\$769,003
Other (e.g., spending related to ballot measures or referendums)	\$0	\$0
Total contributions and other spending	\$3,601,752	\$3,605,774
Data coverage (as %, indicating the organizational scope of the reported data)	50%	50%

**EMPOWERING AND ENRICHING THE LIVES OF SMALLHOLDERS**

Corteva has a broad portfolio of agricultural technologies for smallholders, from hybrid corn seed varieties that are drought resistant and heat tolerant to Green Chemistry Challenge Award-winning crop protection products, which are highly effective against fall armyworm to herbicides that greatly reduce the labor intensity for smallholder farmers. Corteva markets these technologies to millions of smallholder farmer customers in Latin America, Africa and the Middle East, and Asia. With some of the most recognized brands in agriculture, Corteva is committed to working with stakeholders throughout the value chain to fulfill our promise to enrich the lives of those who produce and those who consume, ensuring progress for generations to come.

Corteva also engages in global collaborations, such as those with the U.S. Agency for International Development ("USAID"), Agricultural Cooperative Development International/Volunteers in Overseas Cooperative Assistance ("ACDI"/"VOCA"), One Acre Fund, John Deere and Land O'Lakes, which are focused on increasing the incomes, productivity and sustainable farming practices of smallholder farmers. These collaborations enable Corteva to leverage millions in agricultural development public funding to grow the company's business in emerging markets and reduce risk, while enriching the lives of smallholder farmers and their communities.

For example:

- Corteva collaborated with [USAID](#) and [ACDI/VOCA](#) in Tanzania between 2011 and 2021 to increase the productivity of 600,000 smallholder farmers by 300% on average. Through these collaborations, key stakeholders also leverage our significant innovation advantages, scale and the unique expertise of our world-class employees to advance solutions to pressing agricultural challenges such as food security, while promoting equity in agriculture.
- Through a collaboration with [USAID](#) in Myanmar, Corteva is aiming to increase targeted smallholder farmer yield from 4 MT to 7 MT per hectare and increase smallholder farmer income by \$350 per hectare by expanding market access to Corteva climate-smart hybrid seeds and crop protection products.
- [Alliance for Green Revolution in Africa](#) ("AGRA") is an organization that seeks to transform African agriculture from a subsistence model to strong businesses that improve the livelihoods of the continent's farming households. We partner with AGRA in improving productivity and outcomes for smallholder farmers in East, Southern and West Africa.
- [One Acre Fund](#) is a social enterprise that supplies smallholder farmers in Eastern Africa with financing and training to enhance food security and improve livelihoods. Our partnership with One Acre Fund seeks to increase yields and incomes for smallholder farmers through adoption of highly adapted hybrid seeds and best farming practices in Kenya.

**ESG DISCLOSURES**

# SOCIAL

**EMPOWERING AND ENRICHING THE LIVES OF SMALLHOLDERS**

- [Conservation Farming Unit](#) ("CFU") works to provide medium and smallholder farmers with expertise and tools to transition to conservation farming and conservation agricultural practices in Zambia.
- [Global Communities](#) is an experienced and trusted international development and humanitarian aid organization that provides small-scale farmers with classroom and hands-on training, technical support and access to productive inputs such as seeds, mechanization, fertilizers and crop care.

**ENGAGING WITH COMMUNITIES**

[Corteva Grows](#) is Corteva's global, company-wide strategy and program for corporate citizenship and philanthropy. Corteva proudly partners 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.

Corteva Grows reflects the program's key priorities supporting the following UN Sustainable Development Goals ("UN SDGs"):

**Empower Women****UN SDG 2: Zero Hunger; UN SDG 5: Gender Equality**

Globally, more than 800 million people in the world do not have enough food to lead a healthy, active life. That equates to one out of nine people who suffer from chronic hunger worldwide. Corteva is dedicated to working in concert with farmers, local businesses, schools, governments and nonprofits to unlock solutions that help feed the world and ensure sustainable food security. Together we can make a difference and provide new solutions to eliminate hunger and achieve food security. We champion women in agriculture to help them succeed and bring prosperity to their communities.

**Enable Youth****UN SDG 4: Quality Education; UN SDG 15: Life on Land**

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.



Corteva promotes the sustainable use of terrestrial ecosystems within communities across the US with our [Corteva Grows Pollinator Habitat program](#). This unique program supports the monarch butterfly and pollinator habitat at 31 Corteva locations across the country. Corteva provides land and financial support for the pollinator habitat, and each habitat is planted and maintained by the site's employees and 4-H youth. Additionally, Pheasants Forever provides expertise and support, such as habitat seed, site preparation, planting support and ongoing mowing. Through this joint initiative, approximately 17,000 4-H youth are helping increase pollinator populations. With the tools and support needed to understand the importance of pollinators, they're also learning how to build a habitat in their own communities, proactively working toward increasing biodiversity.

**Engage Communities****UN SDG 11: Sustainable Cities and Communities**

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

Corteva is 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.

**Examples of countries where we have programs**

Argentina, Australia, Bangladesh, Belgium, Bolivia, Brazil, Canada, Chile, China, Colombia, France, Germany, Greece, Hungary, India, Indonesia, Italy, Japan, Kenya, Lithuania, Malaysia, Mexico, the Netherlands, New Zealand, Philippines, Poland, Romania, Russia, Singapore, South Africa, Spain, Thailand, Turkey, Ukraine, United Kingdom, United States, Vietnam

**Examples of programs delivered through Corteva Grows**

Personal training, job training, financial donations, PPE donations, food donations, land conservation, hygiene kit donations, school supply donations, job training for women, financial literacy training for women, clothing donations, sports supply donations, scholarships, food distribution, student education, student STEM education, teacher training, equipment donations, house construction and product donations.

Additional details about Corteva's community investment efforts can be found on our [website](#).

A woman wearing a large straw hat and a red plaid shirt is shown from the chest up, holding a bunch of dark grapes and a pair of pruning shears. She is standing in a vineyard with green vines and leaves in the background.

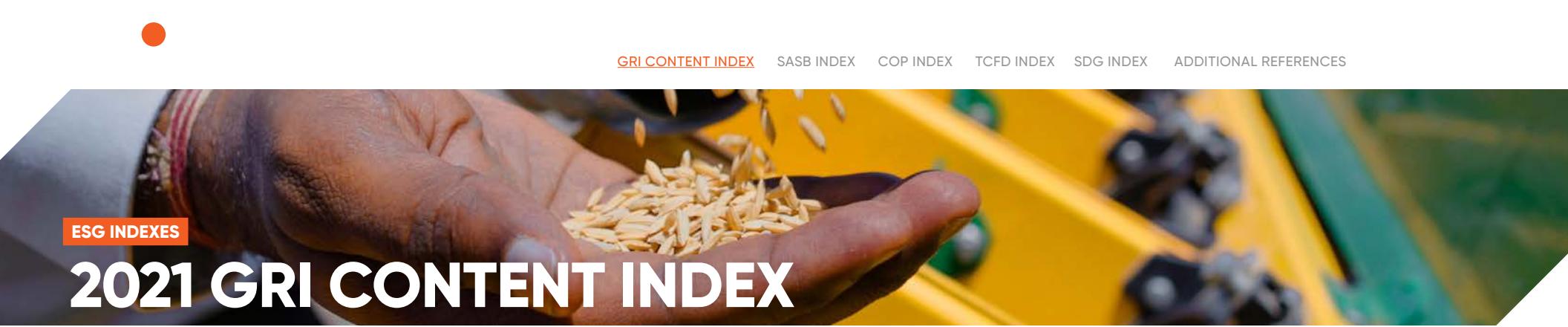
# ESG INDEXES

IN IT  
FOR  
GOOD.

## ESG INDEXES

# 2021 GRI CONTENT INDEX

GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
GRI 2: General Disclosures (2021)	2-1	Organization details	Corteva, Inc. ("Corteva")  Indianapolis, Indiana, United States  Sustainability Report  2021 Annual Report  Country Selector  2021 Annual Report	<a href="#">Company Overview</a> <a href="#">Note 24 - Geographic</a> <a href="#">Webpage</a> <a href="#">Item 1. Business</a>
	2-2	Entities included in the organization's sustainability reporting	2021 Annual Report  2021 Annual Report	<a href="#">Opinions on the Financial Statements and Internal Control over Financial Reporting</a> <a href="#">Exhibit 21, Subsidiaries of the Registrant</a>
	2-3	Reporting period, frequency and contact point	Sustainability Report	<a href="#">ESG Disclosures</a>
	2-4	Restatements of information	Sustainability Report	<a href="#">ESG Disclosures</a>
	2-5	External assurance	Sustainability Report	<a href="#">ESG Disclosures</a>
	2-6	Activities, value chain and other business relationships	2021 Annual Report  Sustainability Report  Products and Services	<a href="#">Item 1. Business</a> <a href="#">Company Overview</a> <a href="#">Webpage</a>
	2-7	Employees	2021 Annual Report  Sustainability Report	<a href="#">Item 1. Business</a> <a href="#">Workforce Demographics</a>
	2-9	Governance structure and composition	2022 Proxy Statement  Sustainability Report  2022 Proxy Statement	<a href="#">1, 4-10; Voting and Attendance Procedures, Corporate Governance</a> <a href="#">Sustainability and ESG Governance</a> <a href="#">Board Committees, Board Composition</a>

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# 2021 GRI CONTENT INDEX

GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
GRI 2: General Disclosures (2021) (cont'd)	2-10	Nomination and selection of the highest governance body	2022 Proxy Statement  Corporate Governance Guidelines	<a href="#">Corporate Governance</a> <a href="#">Webpage</a>
	2-11	Chair of the highest governance body	2022 Proxy Statement	<a href="#">Corporate Governance Policies</a>
	2-12	Role of the highest governance body in overseeing the management of impacts	2022 Proxy Statement  2022 Proxy Statement	<a href="#">Board Composition</a>  <a href="#">Corporate Governance Policies, Board Committees, Sustainability Values and Initiatives</a>
			Sustainability and Innovation Committee Charter	<a href="#">Webpage</a>
			People and Compensation Committee Charter	<a href="#">Webpage</a>
			Sustainability Report	<a href="#">Engagement with Stakeholders</a>
	2-13	Delegation of responsibility for managing impacts	Bylaws of Corteva, Inc.	<a href="#">Article IV - Officers</a>
			Sustainability Report	<a href="#">Sustainability and ESG Governance</a>
	2-14	Role of the highest governance body in sustainability reporting	Sustainability and Innovation Committee Charter	<a href="#">Webpage</a>
	2-15	Conflicts of interest	2022 Proxy Statement  Corporate Governance Guidelines  Director Code of Conduct  Corteva Code of Conduct	<a href="#">Related Person Transactions, Director Nominees, Compensation Committee Interlocks and Insider Participation</a>  <a href="#">8; Webpage</a> <a href="#">1-9; Webpage</a> <a href="#">16-17; Webpage</a>

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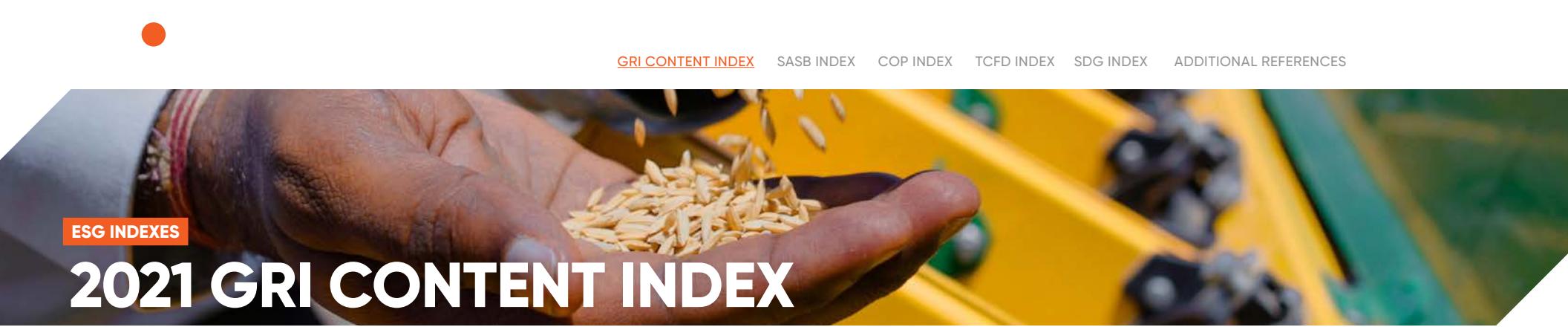
# 2021 GRI CONTENT INDEX

GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
GRI 2: General Disclosures (2021) (cont'd)	2-15 (cont'd)	Conflicts of Interest (cont'd)	Corteva Code of Financials Ethics	<a href="#">1: Webpage</a>
	2-16	Communication of critical concerns	2022 Proxy Statement  Information unavailable: while we have processes to address and resolve concerns with the Board of Directors, we do not tally and report a number of critical concerns	<a href="#">Sustainability Values and Initiatives</a>
	2-17	Collective knowledge of the highest governance body	2022 Proxy Statement	<a href="#">Board Composition</a>
	2-18	Collective knowledge of the highest governance body	2022 Proxy Statement	<a href="#">Corporate Governance Policies</a>
	2-19	Remuneration policies	2022 Proxy Statement	<a href="#">Compensation Discussion &amp; Analysis</a>
	2-20	Process to determine remuneration	2022 Proxy Statement	<a href="#">Compensation Discussion &amp; Analysis</a>
	2-21	Annual total compensation ratio	2022 Proxy Statement	<a href="#">CEO Pay Ratio</a>
	2-22	Statement on sustainable development strategy	Sustainability Report  Sustainability Report	<a href="#">Message from Chuck Magro, CEO</a>  <a href="#">Message from Sam Eathington, CT&amp;DO</a>
	2-23	Policy commitments	Sustainability Report  Corteva Code of Conduct	<a href="#">UN Global Compact Communication on Progress</a>  <a href="#">6-30, See page 15 for Our Expectations for Partners, Including Suppliers</a>
	2-26	Mechanisms for seeking advice and raising concerns	Corteva Code of Conduct	<a href="#">31-32</a>
	2-28	Membership associations	Sustainability Report	<a href="#">External Initiatives, Memberships and Partnerships</a>

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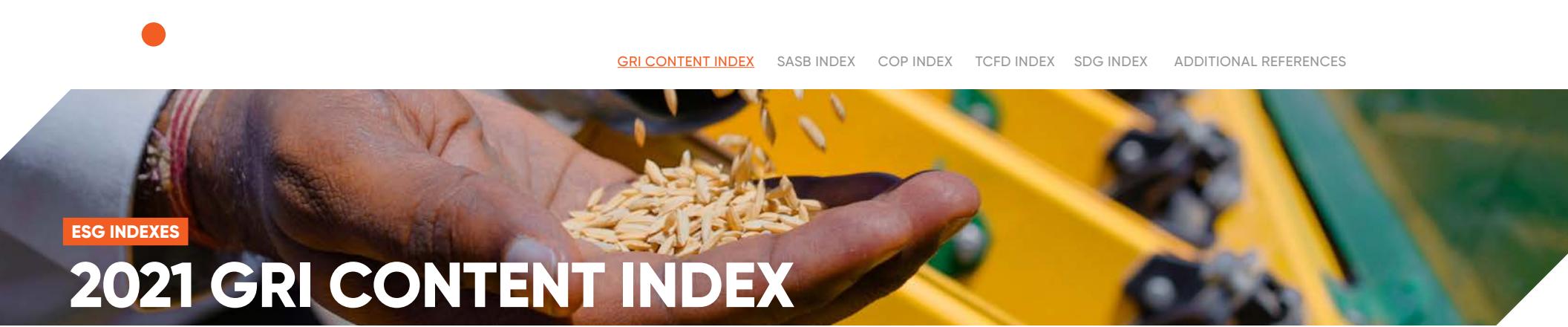
GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
<b>GRI 2: General Disclosures (2021) (cont'd)</b>	2-29	Approach to stakeholder engagement	Sustainability Report	<a href="#">Engagement with Stakeholders</a>
	2-29	Approach to stakeholder engagement	2021 Annual Report	<a href="#">Item 1. Business</a>
	2-30	Collective bargaining agreements	2021 Annual Report	<a href="#">Item 1. Business</a>
	3-1	Process to determine non-financial material topics	Sustainability Report	<a href="#">ESG Disclosures</a>
	3-2	List of non-financial material topics	Sustainability Report	<a href="#">ESG Disclosures</a>
	3-3	Management of non-financial material topics	Sustainability Report	<a href="#">Precautionary Approach / UN Global Compact Principle 7</a>
<b>GRI 201: Economic Performance (2016)</b>	103	Management approach	Sustainability Report	<a href="#">Our Business</a>
	201-1	Direct economic value generated and distributed	2021 Annual Report	<a href="#">1-3</a>
	201-2	Financial implications and other risks & opportunities due to climate change	2021 Annual Report	<a href="#">Item 1A. Risk Factors</a>
	201-2	Financial implications and other risks & opportunities due to climate change	2021 Annual Report	<a href="#">Item 7. MD&amp;A</a>
	201-2	Financial implications and other risks & opportunities due to climate change	Sustainability Report	<a href="#">2021 TCFD Disclosure</a>
<b>GRI 203: Indirect Economic Impacts (2016)</b>	103	Management approach	Sustainability Report	<a href="#">Empowering and Enriching the Lives of Smallholders</a>
			Sustainability Report	<a href="#">Engaging with Communities</a>
	203-2	Significant indirect economic impacts	Sustainability Report	<a href="#">Empowering and Enriching the Lives of Smallholders</a> <a href="#">Engaging with Communities</a>

A close-up photograph of a person's hand, likely of African descent, holding a handful of small, light-colored grains, possibly corn or rice. The hand is positioned in the foreground, with a yellow agricultural machine visible in the background.

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GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
GRI 204: Procurement Practices (2016)	103	Management approach	Supplier Sustainability and Diversity Sustainability Report Corteva Code of Conduct	<a href="#">Webpage</a> <a href="#">Supply Chain Responsibility</a> <a href="#">5, 12-13, 15-17, 26, 31-32: See page 15 for Our Expectations for Partners, Including Suppliers</a>
GRI 205: Anti-corruption (2016)	103	Management approach	Supplier Code of Conduct	<a href="#">1-3</a>
	103	Management approach	Director Code of Conduct	<a href="#">5-6</a>
	205-2	Communication and training about anti-corruption policies and procedures	Corteva Code of Conduct	<a href="#">31-32</a>
	205-2	Communication and training about anti-corruption policies and procedures	Corteva Code of Conduct	<a href="#">31-32</a>
	205-2	Communication and training about anti-corruption policies and procedures	Supplier Code of Conduct	<a href="#">2-3</a>
	205-2	Communication and training about anti-corruption policies and procedures	Sustainability Report	<a href="#">Employee Training &amp; Development</a>
GRI 206: Anti-competitive Behavior (2016)	103	Management approach	Corteva Code of Conduct	<a href="#">12-19, 31-32: See page 15 for Our Expectations for Partners, Including Suppliers</a>
	103	Management approach	Supplier Code of Conduct	<a href="#">2-3</a>
	206-1	Legal actions for anti-competitive behavior, anti trust and monopoly practices	2021 Annual Report	<a href="#">Item 3. Legal Proceedings</a>
GRI 301: Materials (2016)	103	Management approach	Sustainability Report	<a href="#">Circular Packaging</a>
	301-1	Materials use by weight or volume	Sustainability Report	<a href="#">Circular Packaging</a>
	301-3	Reclaimed products and their packaging materials	Sustainability Report	<a href="#">Circular Packaging</a>

A close-up photograph of a person's hand, likely of African descent, holding a handful of small, light-colored grains, possibly corn or rice. The hand is positioned in the foreground, with a yellow agricultural machine visible in the background.

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# 2021 GRI CONTENT INDEX

GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
GRI 302: Energy (2016)	103	Management approach	Sustainability Report	<a href="#">GHG</a>
	302-1	Energy consumption within the organization	Sustainability Report	<a href="#">Environmental Metrics</a>
GRI 303: Water (2016)	103, 303-1, 303-2	Management approach	Sustainability Report	<a href="#">Product Stewardship</a>
	103, 303-1, 303-2	Management approach	Sustainability Report	<a href="#">Sustainable Innovation</a>
	303-3	Water withdrawal	Sustainability Report	<a href="#">Water Consumption</a>
	303-5	Water consumption		
GRI 304: Biodiversity (2016)	103	Management approach	Sustainability Report	<a href="#">Product Stewardship</a>
	304-3	Habitats protected or restored	Sustainability Report	<a href="#">Biodiversity</a>
GRI 305: Emissions (2016)	103	Management approach	Sustainability Report	<a href="#">GHG</a>
			Sustainability Report	<a href="#">Biodiversity</a>
			Sustainability Report	<a href="#">Circular Packaging</a>
			Sustainability Report	<a href="#">Product Stewardship</a>
			Sustainability Report	<a href="#">2021 TCFD Disclosure</a>
	103, 306-1, 306-2	Management approach	Sustainability Report	<a href="#">Circular Packaging</a>
	305-1	Direct (Scope 1) GHG emissions	Sustainability Report	<a href="#">Environmental Metrics</a>
	305-2	Energy indirect (Scope 2) GHG emissions	Sustainability Report	<a href="#">Environmental Metrics</a>
	305-3	Other indirect (Scope 3) GHG emissions	Sustainability Report	<a href="#">Environmental Metrics</a>
			Sustainability Report	<a href="#">GHG</a>
			Sustainability Report	<a href="#">Circular Packaging</a>
			Sustainability Report	<a href="#">Product Stewardship</a>
	305-4	GHG emissions intensity	Sustainability Report	<a href="#">Environmental Metrics</a>
	305-7	Nitrogen oxides, sulfur oxides and other significant air emissions	Sustainability Report	<a href="#">Environmental Metrics</a>

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GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
<b>GRI 306: Waste (2020)</b>	103	Management approach	Sustainability Report	<a href="#">Environment, Health, Safety &amp; Security</a>
	103, 306-1, 306-2	Management approach	Sustainability Report	<a href="#">Product Stewardship</a>
	306-3	Waste generated in metric tons (hazardous, non-hazardous)	Sustainability Report	<a href="#">Circular Packaging</a> <a href="#">Environmental Metrics</a>
<b>GRI 307: Environmental Compliance &amp; 419: Socioeconomic Compliance (2016)</b>	103	Management approach	Corteva Code of Conduct Supplier Code of Conduct	<a href="#">6, 18, 19, 21-27</a> <a href="#">1-2</a>
	307-1, 419-1	Non-compliance with laws and regulations in the social and economic area	2021 Annual Report	<a href="#">Item 3. Legal Proceedings</a>
<b>GRI 308: Supplier Environmental Assessment &amp; 414: Supplier Social Assessment (2016)</b>	103	Management approach	Sustainability Report Sustainability Report Sustainability Report 2021 Annual Report	<a href="#">Product Stewardship</a> <a href="#">Supply Chain Responsibility</a> <a href="#">Together for Sustainability</a> <a href="#">Item 1. Business</a>
	308-1	New suppliers that were screened using environmental criteria	Sustainability Report	<a href="#">Supply Chain Responsibility</a>
	414-1	New suppliers that were screened using environmental criteria	Sustainability Report	<a href="#">Supply Chain Responsibility</a>
	103	Management approach	Sustainability Report	<a href="#">Human Rights Enforcement</a>
	401-3	Parental leave	Why Join Us: Parental Leave	<a href="#">Webpage</a>
<b>GRI 401: Employment (2016)</b>	403-1	Occupational health and safety management system	Sustainability Report	<a href="#">Occupational Health &amp; Safety</a>

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# 2021 GRI CONTENT INDEX

GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
<b>GRI 403: Occupational Health and Safety (2018)</b>	103	Management approach	Sustainability Report	<a href="#">Environment, Health, Safety &amp; Security</a>
	403-1	Occupational health and safety management system	Sustainability Report	<a href="#">Employee Training &amp; Development</a>
			Sustainability Report	<a href="#">Occupational Health and Safety</a>
	403-5	Worker training on occupational health and safety	Corteva Code of Conduct	<a href="#">Webpage</a>
			Sustainability Report	<a href="#">Employee Training &amp; Development</a>
			Sustainability Report	<a href="#">Occupational Health and Safety</a>
	403-6	Promotion of worker health	Why Join Us: Próspera Wellness Program	<a href="#">Webpage</a>
	403-7	Prevention and mitigation of occupational health and safety impacts directly linked by business relationships	Supplier Code of Conduct	<a href="#">3</a>
	403-8	Workers covered by an occupational health and safety management system	Sustainability Report	<a href="#">Occupational Health and Safety</a>
	403-9	Work-related incidents and frequency rates	Sustainability Report	<a href="#">Occupational Health and Safety</a>
<b>GRI 404: Training and Education (2016)</b>	103	Management approach	2022 Proxy Report	<a href="#">14: Human Capital Management</a>
			Sustainability Report	<a href="#">Employee Training &amp; Development</a>
	404-1	Average hours of training per year per employee	Sustainability Report	<a href="#">Employee Training &amp; Development</a>
	404-2	Programs for upgrading employee skills and transition assistance programs	2022 Proxy Report	<a href="#">14: Human Capital Management</a>
	103	Management approach	2021 Annual Report	<a href="#">Item 1. Business</a>

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# 2021 GRI CONTENT INDEX

GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
<b>GRI 405: Diversity and Equal Opportunity (2016)</b>	103	Management approach	Culture of Belonging Sustainability Report Corteva Code of Conduct	<a href="#">Webpage</a> <a href="#">Inclusion, Diversity &amp; Equity</a> <a href="#">9</a>
	405-1	Diversity of governance bodies and employees	2022 Proxy Statement Sustainability Report	<a href="#">Board Composition, Director Nominees</a> <a href="#">Workforce Demographics</a>
<b>GRI 406: Non-discrimination (2016)</b>	103	Management approach	Supplier Code of Conduct Corteva Code of Conduct	<a href="#">2</a> <a href="#">8-11: See page 15 for Our Expectations for Partners, Including Suppliers</a>
	406-1	Incidents of discrimination and corrective actions taken	Sustainability Report Sustainability Report	<a href="#">Human Rights Enforcement</a> <a href="#">Inclusion, Diversity &amp; Equity</a>
<b>GRI 408: Child Labor (2016)</b>	103	Management approach	Supplier Code of Conduct Corteva Statement Corteva Code of Conduct	<a href="#">1</a> <a href="#">Child and Forced Labor</a> <a href="#">8-11: See Page 15 for Our Expectations for Partners, Including Suppliers</a>
	408-1	Operations and suppliers at significant risk for incidents of child labor	Sustainability Report Sustainability Report	<a href="#">Product Stewardship</a> <a href="#">Supply Chain Responsibility</a>
<b>GRI 409: Forced or Compulsory Labor (2016)</b>	103	Management approach	Supplier Code of Conduct Corteva Statement Corteva Code of Conduct	<a href="#">1</a> <a href="#">Child and Forced Labor</a> <a href="#">8-11: See page 15 for Our Expectations for Partners, Including Suppliers</a>
	409-1	Operations and suppliers at significant risk for incidents of forced or compulsory labor	Sustainability Report	<a href="#">Supply Chain Responsibility</a>

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GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
<b>GRI 411: Rights of Indigenous People (2016)</b>	103	Management approach	Supplier Code of Conduct Sustainability Report Sustainability Report	<a href="#">1</a> <a href="#">Inclusion, Diversity &amp; Equity</a> <a href="#">Human Rights Enforcement</a>
	411-1	Incidents of violations involving rights of indigenous people	Sustainability Report	<a href="#">Supply Chain Responsibility</a>
<b>GRI 412: Human Rights Assessment (2016)</b>	103	Management approach	Sustainability Report	<a href="#">Supply Chain Responsibility</a> <a href="#">Engaging With Communities</a> <a href="#">Inclusion, Diversity &amp; Equity</a> <a href="#">Corteva Board Committees</a>
			2022 Proxy Report	<a href="#">14; Human Capital Management</a>
			Corteva Code of Conduct	<a href="#">8-11: See page 15 for Our Expectations for Partners, Including Suppliers</a>
			Supplier Code of Conduct	<a href="#">1</a>
<b>GRI 412: Employee Training &amp; Development (2016)</b>	412-2	Employee training on human rights policies or procedures	Sustainability Report	<a href="#">Employee Training &amp; Development</a>
			Sustainability Report	<a href="#">Engaging With Communities</a>
			Corteva Code of Conduct	<a href="#">29-30</a>
<b>GRI 413: Community Engagement &amp; Impact Assessments (2016)</b>	413-1	Operations with local community engagement, impact assessments and development programs	Sustainability Report	<a href="#">Engaging With Communities</a>
			2022 Proxy Statement	<a href="#">Political Activities</a>
			US Political Disclosures	<a href="#">Webpage</a>
<b>GRI 415: Public Policy (2016)</b>	103	Management approach	Sustainability Report	<a href="#">Product Stewardship</a>
	415-1	Political contributions	US Political Disclosures	<a href="#">Webpage</a>

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GRI STANDARD TITLE	DISCLOSURE NUMBER	DISCLOSURE NAME	SOURCE	LOCATION
<b>GRI 416: Customer Health &amp; Safety (2016)</b>	103	Management approach	Sustainability Report Sustainability Report	<a href="#">Sustainable Innovation</a> <a href="#">Customer Information &amp; Labeling</a>
			Corteva Code of Conduct	<a href="#">12,18; Webpage</a>
	416-1	Assessment of the health and safety impacts and services categories	Sustainability Report Product Stewardship and Product Information	<a href="#">Product Stewardship</a> <a href="#">Webpage</a>
<b>GRI 417: Marketing and Labeling (2016)</b>	103	Management approach	Sustainability Report Anti-Counterfeiting and Brand Protection	<a href="#">Product Stewardship</a> <a href="#">Webpage</a>
			Corteva Code of Conduct	<a href="#">22-23; Webpage</a>
	417-1	Requirements for product and service information and labeling	Sustainability Report Bringing Transparency to Regulatory Safety Data	<a href="#">Product Stewardship</a> <a href="#">Webpage</a>
<b>GRI 418: Customer Privacy (2016)</b>	103	Management approach	Corteva Global Privacy Policy Sustainability Report	<a href="#">Webpage</a> <a href="#">Information Security and Privacy</a>
	418-1	Substantiated complaints concerning breaches of customer privacy and losses of customer data		

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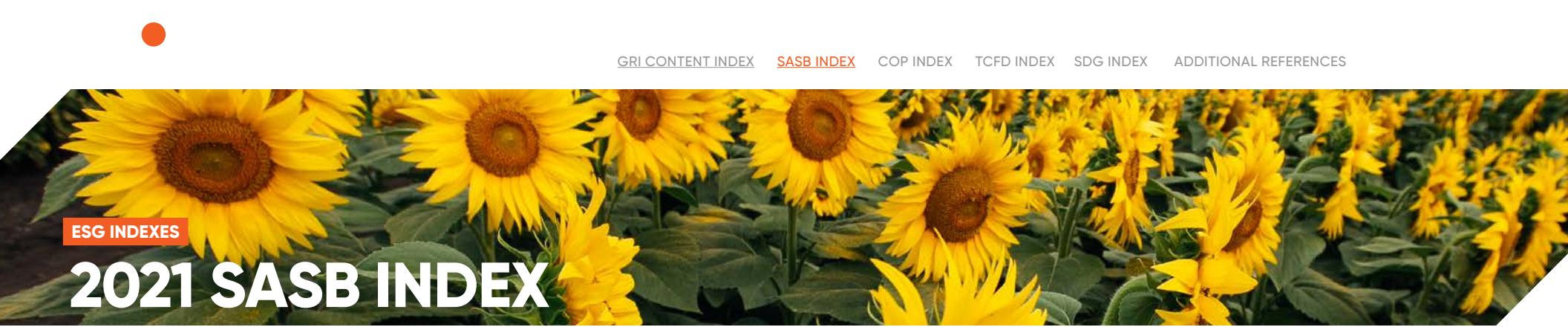
# 2021 SASB INDEX

SASB CHEMICALS SUSTAINABILITY STANDARD (2018) CODE	TOPIC	METRIC	PAGE OF REFERENCE/ RESPONSE
RT-CH-110a.1	Greenhouse Gas Emissions	Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations	<a href="#">GHG Emissions</a>
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	<a href="#">Climate Strategy</a>
RT-CH-120a.1	Air Quality	Air emissions of the following pollutants: (1) NOX (excluding N2O)	<a href="#">Air Emissions</a>
RT-CH-120a.1	Air Quality	Air emissions of the following pollutants: (2) SOX	
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	<a href="#">Energy Consumption</a>
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	<a href="#">Water Consumption</a>
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	
RT-CH-150a.1	Hazardous Waste Management	Amount of hazardous waste generated; percentage recycled	<a href="#">Waste Generation</a>
RT-CH-210a.1	Community Relations	Discussion of engagement processes to manage risks and opportunities associated with community interests	<a href="#">Engaging with Communities</a>

**ESG INDEXES**

# 2021 SASB INDEX

SASB CHEMICALS SUSTAINABILITY STANDARD (2018) CODE	TOPIC	METRIC	PAGE OF REFERENCE/RESPONSE
RT-CH-320a.1	Workforce Health & Safety	(1) Total recordable incident rate ("TRIR")	<a href="#">Occupational Health and Safety</a>
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	<a href="#">Product Stewardship</a>
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 and (2) develop alternatives with reduced human and/or environmental impact	<a href="#">Sustainable Innovation</a>
RT-CH-410c.1	Genetically Modified Organisms	Percentage of products by revenue that contain genetically modified organisms ("GMOs")	Corteva does not report the percentage of products by revenue that contain genetically modified organisms ("GMOs"). Read our position statement on this topic under " <a href="#">Agricultural Innovation</a> " and discussion in our <a href="#">2021 Annual Report</a> .
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	<a href="#">Political Giving &amp; Public Policy</a>

A field of sunflowers with their bright yellow petals and dark brown centers. A small orange circle is positioned in the top left corner.  
ESG INDEXES

# 2021 SASB INDEX

SASB CHEMICALS SUSTAINABILITY STANDARD (2018) CODE	TOPIC	METRIC	PAGE OF REFERENCE/ RESPONSE
RT-CH-540a.1	Operational Safety, Emergency Preparedness & Response	Process Safety Incidents Count ("PSIC")	<a href="#">Occupational Health and Safety</a>
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")	
RT-CH-540a.2	Operational Safety, Emergency Preparedness & Response	Number of transport incidents	
RT-CH-000.A	Production by Reportable Segment		The requested metric is not an accurate representation of our production in aggregate; our net sales can be <a href="#">found in our sustainability report</a> .

## ESG INDEXES

# 2021 COP INDEX

Corteva Agriscience supports the Ten Principles of the UN Global Compact. The UN Global Compact is the largest international sustainability initiative, supporting companies to:

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

The Communication on Progress is a visible expression of Corteva's commitment to sustainability, and our stakeholders can view it on our company's profile page.

UNGC PRINCIPLES	ACTIONS
<b>STATEMENT OF SUPPORT</b>	
Statement by the chief executive expressing continued support for the UN Global Compact and renewing the participant's ongoing commitment to the initiative and its principles	<a href="#">Letter of Commitment</a>
<b>ACTIONS AND MEASUREMENT</b>	
<b>Principle 1:</b> Business should support and respect the protection of internationally proclaimed human rights	<ul style="list-style-type: none"> <li>• <a href="#">Code of Conduct</a></li> <li>• <a href="#">Supplier Code of Conduct</a></li> <li>• <a href="#">Supplier Sustainability and Diversity</a></li> <li>• <a href="#">Culture of Belonging</a></li> </ul>
<b>Principle 2:</b> Make sure that they are not complicit in human rights abuses	<ul style="list-style-type: none"> <li>• 2021 Sustainability Report</li> <li>• <a href="#">Human Rights Enforcement</a></li> <li>• <a href="#">Inclusion, Diversity &amp; Equity</a></li> <li>• <a href="#">Responsible Supply Chain</a></li> <li>• <a href="#">Product Stewardship</a></li> </ul>
<b>LABOR PRINCIPLES</b>	
<b>Principle 3:</b> Business should uphold the freedom of association and the effective recognition of the right to collective bargaining	
<b>Principle 4:</b> The elimination of all forms of forced and compulsory labor	<ul style="list-style-type: none"> <li>• <a href="#">Code of Conduct</a></li> <li>• <a href="#">Supplier Code of Conduct</a></li> <li>• <a href="#">Child and Forced Labor</a></li> <li>• <a href="#">Culture of Belonging</a></li> <li>• <a href="#">People and Compensation Committee Charter (Pg.1)</a></li> </ul>
<b>Principle 5:</b> The effective abolition of child labor	<ul style="list-style-type: none"> <li>• <a href="#">Sustainability and Innovation Committee Charter (Pg. 2)</a></li> <li>• <a href="#">Corteva Employee Health and Wellness</a></li> <li>• <a href="#">2022 Proxy Statement (Pg. 14)</a></li> </ul>
<b>Principle 6:</b> The elimination of discrimination in respect of employment and occupation	<ul style="list-style-type: none"> <li>• 2021 Sustainability Report</li> <li>• <a href="#">Occupational Health and Safety</a></li> <li>• <a href="#">Inclusion, Diversity &amp; Equity</a></li> </ul>
<b>ENVIRONMENTAL PRINCIPLES</b>	
<b>Principle 7:</b> Business should support a precautionary approach to environmental challenges	<ul style="list-style-type: none"> <li>• <a href="#">Code of Conduct</a></li> <li>• <a href="#">Supplier Code of Conduct</a></li> <li>• 2021 Sustainability Report</li> <li>• <a href="#">Environmental Metrics</a></li> <li>• <a href="#">Precautionary Approach</a></li> </ul>
<b>Principle 8:</b> Undertake initiatives to promote greater environmental responsibility	
<b>Principle 9:</b> Encourage the development and diffusion of environmentally friendly technologies	
<b>ANTI-CORRUPTION PRINCIPLES</b>	
<b>Principle 10:</b> Business should work against corruption in all its forms, including extortion and bribery	<ul style="list-style-type: none"> <li>• <a href="#">Code of Conduct</a></li> <li>• <a href="#">Supplier Code of Conduct</a></li> <li>• 2021 Sustainability Report</li> <li>• <a href="#">Employee Training and Development</a></li> </ul>

**ESG INDEXES**

# 2021 TCFD INDEX

TOPIC	RECOMMENDED DISCLOSURES	SUSTAINABILITY AND ESG REPORT REFERENCE
<b>1. Governance:</b> Disclose the organization's governance and climate-related risks and opportunities.	<p>Describe the board's oversight of climate-related risks and opportunities.</p> <p>Describe management's role in assessing and managing climate-related risks and opportunities.</p>	<a href="#">Sustainability and ESG Governance</a> <a href="#">Corteva Board Committees</a>
<b>2. Strategy:</b> Disclose 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.	<p>Describe the climate-related risks and opportunities the organization has identified over the short, medium and long term.</p> <p>Describe the impact of climate-related risks and opportunities on the organization's businesses, strategy and financial planning.</p> <p>Describe the resilience of the organization's strategy, taking into consideration different climate-related scenarios, including a 2 degree Celsius or lower scenario.</p>	<a href="#">Climate Risks, Opportunities and Management</a>
<b>3. Risk Management:</b> Disclose how the organization identifies, assesses, and manages climate-related risks.	<p>Describe the organization's processes for identifying and assessing climate-related risks.</p> <p>Describe the organization's processes for managing climate-related risks.</p> <p>Describe how processes for identifying, assessing and managing climate-related risks are integrated into the organization's overall risk management.</p>	<a href="#">Climate Risks, Opportunities and Management</a>
<b>4. Metrics and Targets:</b> Disclose the metrics and targets used to assess and manage relevant climate-related risks and opportunities where such information is material.	<p>Disclose the metrics used by the organization to assess climate-related risks and opportunities in line with its strategy and risk management process.</p> <p>Disclosure Scope 1, Scope 2 and, if appropriate, Scope 3 greenhouse gas ('GHG') emissions and the related risks.</p> <p>Describe the targets used by the organization to manage climate-related risks and opportunities and performance against targets.</p>	<a href="#">Climate Risks, Opportunities and Management</a> <a href="#">GHG Emissions</a> <a href="#">GHG Emissions</a> <a href="#">Climate Risks, Opportunities and Management</a>

ESG INDEXES

# 2021 SDG INDEX



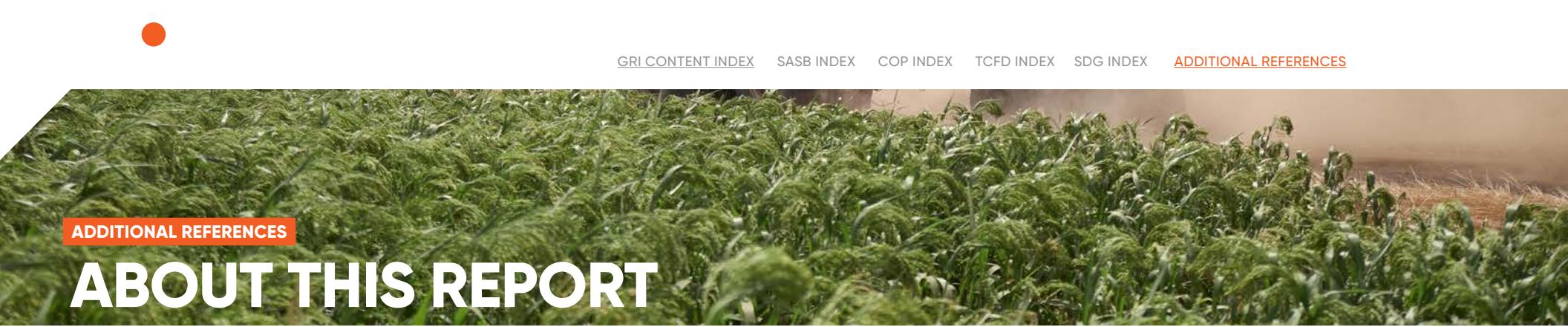
CORTEVA'S FOCUS AREAS	CORTEVA NON-FINANCIAL MATERIAL TOPIC	UN SDG
<a href="#">Sustainable Innovation</a>	Ag Innovation, Climate Adaptation/Resilience, Climate Mitigation, Water Use & Stewardship, Product Responsibility, Soil Health, Biodiversity	    
<a href="#">Biodiversity</a>	Biodiversity, Soil Health	
<a href="#">Greenhouse Gas Emissions</a>	Climate Adaptation / Resilience, Climate Mitigation, Ag Innovation	
<a href="#">Inclusion, Diversity &amp; Equity</a>	Workplace Health and Safety, Employee Engagement, Inclusion, Diversity & Equity	   

Learn about our non-financial materiality assessment<sup>1</sup> and the identification of the most significant non-financial material topics [here](#).

<sup>1</sup>. The non-financial materiality assessment identifies sustainability topics of relative importance or that are considered significant to internal and external stakeholders, but is not aligned to any definition of materiality as outlined in securities law, the Occupational Safety and Health Act, or any other federal, state, local or foreign law, rule or regulation.

## ADDITIONAL REFERENCES

# ABOUT THIS REPORT



This 2021 Sustainability and ESG Report is Corteva, Inc.'s ("Corteva" or "Corteva Agriscience" or "the company") second annual sustainability report. It serves as an update on the most important social and environmental sustainability topics as identified through Corteva and its external stakeholders' non-financial materiality assessment,<sup>1</sup> conducted in 2019.

Corteva sought internal and external stakeholder input to assess the non-financial materiality of relevant environmental and social topics ("sustainability topics") and publicly disclosed those results. That stakeholder engagement informed the direction of the company's current sustainability efforts. Corteva's sustainability topics translate the identified topics into actionable areas where the company can, through its business and practices, drive positive social and environmental progress consistent with the company's strategic objectives, scope and scale, and through the approach outlined in this report.

The following 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 environmental, social and governance topics that we consider "essential business practices" are discussed within this report where relevant.

Corteva engaged accredited 3rd party verifier SGS to complete limited external assurance on specific information within this Sustainability and ESG Report related to certain environmental and social metrics. SGS is the world's leading

inspection, verification, testing and certification company. A separate statement outlining the scope and results from this engagement is provided on our [website](#). Certain additional reported data was compiled, evaluated or verified by third parties such as nonprofit partners. If a restatement is required, it is explained and noted in text and footnotes in the 2021 Sustainability and ESG Report or related data tables.

Corteva reports annually in alignment with our fiscal year which ended December 31, 2021. The 2021 Sustainability and ESG Report was published on June 7, 2022. For general questions regarding this report, contact [sustainability@corteva.com](mailto:sustainability@corteva.com). Investors with questions regarding Corteva should contact our Investor Relations team at (302) 485-3400.

## REPORTING FRAMEWORKS & ADDITIONAL REFERENCES

**While voluntary, the contents of this report are informed by the following frameworks:**

- [Global Reporting Initiative \(GRI\) Global Standards for Sustainability Reporting](#)
- [The Sustainability Accounting Standards Board \(SASB\) Standard for the Chemical Sector](#)
- [The Financial Stability Board Task Force on Climate-related Financial Disclosures \(TCFD\)](#)
- [The United Nations Global Compact \(UNGC\) Communication on Progress](#)

<sup>1</sup> The non-financial materiality assessment identifies sustainability topics of relative importance or that are considered significant to internal and external stakeholders but is not aligned to any definition of materiality as outlined in securities law, the Occupational Safety and Health Act, or any other federal, state, local or foreign law, rule or regulation.

## REGULATION G (NON-GAAP FINANCIAL MEASURE)

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 additional 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.

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 benefits (costs), tax indemnification adjustments, environmental remediation and legal costs associated with legacy businesses and sites, and the 2021 officer indemnification payment. 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.

### Non-GAAP Calculation of Corteva Operating EBITDA

<i>In millions</i>	Twelve Months Ended December 31, 2021
<b>Income (loss) from continuing operations after income taxes (GAAP)</b>	\$ 1,822
Provision for (benefit from) income taxes on continuing operations	524
<b>Income (loss) from continuing operations before income taxes (GAAP)</b>	\$ 2,346
+ Depreciation and Amortization	1,243
- Interest income	(77)
+ Interest expense	30
+/- Exchange (gains) losses	54
+/- Non-operating (benefits) costs	(1,256)
+/- Mark-to-market (gains) losses on certain foreign currency contracts not designated as hedges	-
+/- Significant items (benefit) charge	236
<b>Corteva Operating EBITDA (Non-GAAP)</b>	\$ 2,576

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 benefits (costs), tax indemnification adjustments, environmental remediation and legal costs associated with legacy businesses and sites, and the 2021 officer indemnification payment. 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.

## CAUTIONARY STATEMENT ABOUT FORWARD-LOOKING STATEMENTS

This communication contains certain 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 "targets", "plans," "expects," "will," "anticipates," "believes," "intends," "projects," "estimates," or other words of similar meaning. All statements that address expectations or projections about the future, including statements about Corteva's sustainability goals; emissions targets; inclusion and diversity representation goals; product development and innovations; regulatory approvals; and environmental matters, are forward-looking statements.

Forward-looking statements are based on certain assumptions and expectations of future events which may not be accurate or realized. Forward-looking statements also involve risks and uncertainties, many of which are beyond Corteva's control. While the list of factors presented below is considered 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, regulatory changes, restructurings, customer preferences, and other relationships with 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 successfully develop and commercialize Corteva's pipeline; (ii) failure to obtain or maintain the necessary regulatory approvals for some of Corteva's products; (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) effect of competition and consolidation in Corteva's industry; (vi) effect of competition from manufacturers of generic products; (vii) costs of complying with evolving regulatory requirements and the effect of actual or alleged violations of environmental laws or permit requirements; (viii) effect of climate change and unpredictable seasonal and

weather factors; (ix) failure to comply with competition and antitrust laws; (x) competitor's establishment of an intermediary platform for distribution of Corteva's products; (xi) impact of Corteva's dependence on third parties with respect to certain of its raw materials or licenses and commercialization; (xii) effect of industrial espionage and other disruptions to Corteva's supply chain, information technology or network systems; (xiii) effect of volatility in Corteva's input costs; (xiv) failure to raise capital through the capital markets or short-term borrowings on terms acceptable to Corteva; (xv) failure of Corteva's customers to pay their debts to Corteva, including customer financing programs; (xvi) increases in pension and other post-employment benefit plan funding obligations; (xvii) risks related to environmental litigation and the indemnification obligations of legacy E. I. du Pont de Nemours and Company liabilities in connection with the separation of Corteva; (xviii) risks related to Corteva's global operations; (xix) failure to effectively manage acquisitions, divestitures, alliances, restructurings, cost savings initiatives, and other portfolio actions; (xx) capital markets sentiment towards ESG matters; (xxi) risks related to COVID-19; (xxii) Corteva's ability to recruit and retain key personnel; (xxiii) Corteva's intellectual property rights or defend against intellectual property claims asserted by others; (xxiv) effect of counterfeit products; (xxv) Corteva's dependence on intellectual property cross-license agreements; (xxvi) other risks related to the Separation from DowDuPont; and (xxvii) risks related to the Russia and Ukraine military conflict.

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 or other estimates is included in the "Risk Factors" section of Corteva's annual and quarterly reports, as modified by subsequent current reports on Form 8-K, filed with the SEC.



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

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The transgenic soybean event in Enlist 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 Dow AgroSciences LLC. Enlist Duo and Enlist One herbicides are not registered for sale or use in all states or counties. 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.