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Corteva Inc

# 2024 CDP Corporate Questionnaire 2024

[Terms of disclosure for corporate questionnaire 2024 - CDP](#)

## C1. Introduction

### (1.1) In which language are you submitting your response?

Select from:

English

### (1.2) Select the currency used for all financial information disclosed throughout your response.

Select from:

USD

### (1.3) Provide an overview and introduction to your organization.

#### (1.3.2) Organization type

Select from:

Publicly traded organization

#### (1.3.3) Description of organization

*Corteva Inc is a publicly traded global pureplay agriculture company that provides farmers worldwide with the most complete portfolio in the industry including a balanced and diverse mix of seed crop protection and digital solutions focused on maximizing productivity to enhance yield and profitability. With some of the most recognized brands in agriculture and an industry leading product and technology pipeline well positioned to drive growth the company is committed to working with stakeholders throughout the food system as it fulfils its promise to enrich the lives of those who produce and those who consume ensuring progress for generations to come. The company's operations are managed through two reportable segments seed and crop protection. The seed segment develops and supplies commercial seed combining superior germplasm with advanced traits to produce high yield potential for farmers worldwide. The company's seed segment is a leading technology provider in many key seed markets, including North America corn and soybeans; Europe corn and sunflower; as well as Brazil, India, South Africa, and Argentina corn The crop protection segment supplies products to protect crop yields against weeds insects and disease enabling farmers to achieve optimal results The combination of these leading platforms creates one of the broadest portfolios of agriculture solutions in the industry The company operates out of its headquarters in Indianapolis, Indiana and maintains a global innovation centers in Johnston, Iowa. Its manufacturing processing marketing and research and development facilities as well as regional purchasing offices and distribution centers are located throughout the world. Corteva is making targeted investments in sustainable innovation to enable its customers to better manage their crops reduce resource usage and drive continued profitable growth. In connection with this the company is collaborating across the agriculture industry to accelerate efforts to reduce the impact of agriculture on the environment and address complex challenges such as water security. Cautionary Statement About Forward-Looking Statements. The responses in this report contain certain forward-looking statements and estimates within the meaning of Section 21E of the Securities Exchange Act of 1934 as amended and Section 27A of the Securities Act of*

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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”, “goals”, and “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, product development and innovations, regulatory approvals and environmental matters are forward-looking statements. More information can be found at [www.corteva.com](http://www.corteva.com)  
[Fixed row]

**(1.4) State the end date of the year for which you are reporting data. For emissions data, indicate whether you will be providing emissions data for past reporting years.**

	End date of reporting year	Alignment of this reporting period with your financial reporting period	Indicate if you are providing emissions data for past reporting years
	12/31/2023	Select from: <input checked="" type="checkbox"/> Yes	Select from: <input checked="" type="checkbox"/> No

[Fixed row]

**(1.4.1) What is your organization’s annual revenue for the reporting period?**

17230000000

**(1.5) Provide details on your reporting boundary.**

	Is your reporting boundary for your CDP disclosure the same as that used in your financial statements?
	Select from: <input checked="" type="checkbox"/> Yes

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**(1.6) Does your organization have an ISIN code or another unique identifier (e.g., Ticker, CUSIP, etc.)?**

**ISIN code - bond**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

No

**ISIN code - equity**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

Yes

**(1.6.2) Provide your unique identifier**

US22052L1044

**CUSIP number**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

No

**Ticker symbol**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

Yes

**(1.6.2) Provide your unique identifier**

**SEDOL code**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

No

**LEI number**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

No

**D-U-N-S number**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

No

**Other unique identifier**

**(1.6.1) Does your organization use this unique identifier?**

Select from:

No

[Add row]

**(1.7) Select the countries/areas in which you operate.**

Select all that apply

China

Canada

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- India
- Italy
- Spain
- Brazil
- Turkey
- Belgium
- Germany
- Hungary
- Romania
- Philippines
- South Africa
- United States of America
- United Kingdom of Great Britain and Northern Ireland
- France
- Greece
- Mexico
- Poland
- Ukraine
- Pakistan
- Paraguay
- Argentina
- Indonesia

**(1.8) Are you able to provide geolocation data for your facilities?**

**(1.8.1) Are you able to provide geolocation data for your facilities?**

Select from:

- No, this is confidential data

**(1.8.2) Comment**

*Protecting our intellectual property is critical to our business success and the security of our operations is extremely important to protecting our business and the communities we operate. Exposing our locations can make our customers, employees, and the communities we operate in vulnerable to terrorism and bio-terrorism.*  
[Fixed row]

**(1.24) Has your organization mapped its value chain?**

**(1.24.1) Value chain mapped**

Select from:

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Yes, we have mapped or are currently in the process of mapping our value chain

### (1.24.2) Value chain stages covered in mapping

*Select all that apply*

Upstream value chain

Downstream value chain

### (1.24.3) Highest supplier tier mapped

*Select from:*

Tier 2 suppliers

### (1.24.4) Highest supplier tier known but not mapped

*Select from:*

All supplier tiers known have been mapped

### (1.24.7) Description of mapping process and coverage

*Corteva conducted a mapping of its entire value-chain through its double materiality assessment process. The process included desk research as well as surveys for purposes of the double materiality assessment.*

*[Fixed row]*

## C2. Identification, assessment, and management of dependencies, impacts, risks, and opportunities

(2.1) How does your organization define short-, medium-, and long-term time horizons in relation to the identification, assessment, and management of your environmental dependencies, impacts, risks, and opportunities?

### Short-term

(2.1.1) From (years)

1

(2.1.3) To (years)

5

(2.1.4) How this time horizon is linked to strategic and/or financial planning

*Corteva identifies time horizons by its Enterprise Risk Management definition of velocity which is defined by the prioritization of risks and opportunities based on preparedness and the magnitude of potential impact - positive or negative.*

### Medium-term

(2.1.1) From (years)

5

(2.1.3) To (years)

10

(2.1.4) How this time horizon is linked to strategic and/or financial planning

*Corteva identifies time horizons by its Enterprise Risk Management definition of velocity which is defined by the prioritization of risks and opportunities based on preparedness.*



**Long-term**

**(2.1.1) From (years)**

10

**(2.1.2) Is your long-term time horizon open ended?**

Select from:

No

**(2.1.3) To (years)**

25

**(2.1.4) How this time horizon is linked to strategic and/or financial planning**

*Corteva identifies time horizons by its Enterprise Risk Management definition of velocity which is defined by the prioritization of risks and opportunities based on preparedness.*

*[Fixed row]*

**(2.2) Does your organization have a process for identifying, assessing, and managing environmental dependencies and/or impacts?**

	Process in place	Dependencies and/or impacts evaluated in this process
	Select from: <input checked="" type="checkbox"/> Yes	Select from: <input checked="" type="checkbox"/> Both dependencies and impacts

*[Fixed row]*

**(2.2.1) Does your organization have a process for identifying, assessing, and managing environmental risks and/or opportunities?**

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	Process in place	Risks and/or opportunities evaluated in this process	Is this process informed by the dependencies and/or impacts process?
	Select from: <input checked="" type="checkbox"/> Yes	Select from: <input checked="" type="checkbox"/> Both risks and opportunities	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(2.2.2) Provide details of your organization's process for identifying, assessing, and managing environmental dependencies, impacts, risks, and/or opportunities.**

**Row 1**

#### (2.2.2.1) Environmental issue

Select all that apply

- Climate change
- Water
- Biodiversity

#### (2.2.2.2) Indicate which of dependencies, impacts, risks, and opportunities are covered by the process for this environmental issue

Select all that apply

- Dependencies
- Impacts
- Risks
- Opportunities

#### (2.2.2.3) Value chain stages covered

Select all that apply

- Direct operations

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- Upstream value chain
- Downstream value chain

#### (2.2.2.4) Coverage

Select from:

- Partial

#### (2.2.2.5) Supplier tiers covered

Select all that apply

- Tier 1 suppliers
- Tier 2 suppliers

#### (2.2.2.7) Type of assessment

Select from:

- Qualitative and quantitative

#### (2.2.2.8) Frequency of assessment

Select from:

- Not defined

#### (2.2.2.9) Time horizons covered

Select all that apply

- Short-term
- Medium-term
- Long-term

#### (2.2.2.10) Integration of risk management process

Select from:

- Integrated into multi-disciplinary organization-wide risk management process

### (2.2.2.11) Location-specificity used

Select all that apply

- Site-specific
- Local
- Sub-national
- National

### (2.2.2.12) Tools and methods used

#### Commercially/publicly available tools

- LEAP (Locate, Evaluate, Assess and Prepare) approach, TNFD
- TNFD – Taskforce on Nature-related Financial Disclosures
- WRI Aqueduct
- WWF Water Risk Filter

#### Other

Other, please specify :Corteva Agriscience employs a customized tool that integrates leading datasets to ensure the most accurate and sector-specific data for environmental assessments.

### (2.2.2.13) Risk types and criteria considered

#### Acute physical

- Drought
- Tornado
- Wildfires
- Heat waves
- Cold wave/frost

- Cyclones, hurricanes, typhoons
- Heavy precipitation (rain, hail, snow/ice)
- Flood (coastal, fluvial, pluvial, ground water)

#### Chronic physical

- Heat stress
- Soil erosion
- Coastal erosion

- Changing wind patterns
- Changing temperature (air, freshwater, marine water)
- Changing precipitation patterns and types (rain, hail, snow/ice)

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- Soil degradation
- Change in land-use

### Policy

- Carbon pricing mechanisms

### Market

- Availability and/or increased cost of raw materials
- Changing customer behavior

### Technology

- Transition to lower emissions technology and products
- Transition to water efficient and low water intensity technologies and products

## (2.2.2.14) Partners and stakeholders considered

Select all that apply

- NGOs
- Customers
- Employees
- Investors
- Suppliers
- Regulators
- Local communities
- Water utilities at a local level

## (2.2.2.15) Has this process changed since the previous reporting year?

Select from:

- Yes

## (2.2.2.16) Further details of process

*To better understand the Company's climate-related risks and opportunities, we conducted a qualitative climate assessment in 2021. This assessment considered a range of factors and included scenario analysis to understand physical risks through Representative Concentration Pathways (RCP) 4.5 and 8.5, and transitional risk assessment through IEA NZE 2050, IEA SDS, and IEA STEPS. Through this initial assessment, we noted that existing scenarios available to the agriculture sector lacked specificity. To provide guidance on ensuring industry-aligned scenario analysis, we worked alongside the World Business Council for Sustainable Development (WBCSD) and 13 other leading food, agriculture and forest product companies to develop a set of new climate transition scenarios for our sector in 2022. Additionally in 2023, we initiated internal*

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*work to sharpen our qualitative and quantitative climate risk assessment based on the time horizons of 2030, 2040, and 2050. In this analysis, we focused on regions of most significance to our business, while integrating the new scenarios created in coordination with the WBCSD (commodity pricing, acreage, yield projections). In 2023, we began to advance our climate risk assessment processes through the development of nature and climate resilience analytics, enabled by geospatial data to identify climate and nature risk exposure to our operations.*

[Add row]

## **(2.2.7) Are the interconnections between environmental dependencies, impacts, risks and/or opportunities assessed?**

### **(2.2.7.1) Interconnections between environmental dependencies, impacts, risks and/or opportunities assessed**

Select from:

Yes

### **(2.2.7.2) Description of how interconnections are assessed**

*Corteva assesses the interconnections between climate change water and biodiversity by using a combination of scenario analysis stakeholder engagement and data integration. Regular cross functional team meetings ensure that changes in one area such as water availability are evaluated for their impact on other areas like crop health and local biodiversity. Advanced data platforms enable real-time monitoring of these interdependencies while expert consultations and stakeholder feedback help validate and refine the assessments. This approach ensures a comprehensive understanding of environmental interconnections allowing Corteva to proactively manage risks and opportunities across its operations and value chain.*

[Fixed row]

## **(2.3) Have you identified priority locations across your value chain?**

### **(2.3.1) Identification of priority locations**

Select from:

Yes, we are currently in the process of identifying priority locations

### **(2.3.2) Value chain stages where priority locations have been identified**

Select all that apply

Direct operations

Upstream value chain

Downstream value chain

**(2.3.4) Description of process to identify priority locations**

*Aligned to the TNFD LEAP approach, Corteva Agriscience is actively identifying priority locations across its value chain to address environmental dependencies, impacts, risks, and opportunities. This process involves mapping direct operations and value chain stages to identify areas that interface with nature, such as regions important for biodiversity, areas of high ecosystem integrity, locations with limited water availability, and areas significant for ecosystem service provision. We utilize tools like the WWF Water Risk Filter and Biodiversity Risk Filter to assess these sensitive locations. By integrating data from these tools with internal metrics, we determine the substantive nature-related dependencies and impacts. This approach ensures that priority locations are identified based on their ecological significance and vulnerability, guiding our strategic actions to mitigate risks and enhance sustainability efforts across our operations.*

**(2.3.5) Will you be disclosing a list/spatial map of priority locations?**

Select from:

No, we have a list/geospatial map of priority locations, but we will not be disclosing it

[Fixed row]

**(2.4) How does your organization define substantive effects on your organization?**

	Type of definition	Metrics considered in definition
Risks	<i>Select all that apply</i> <input checked="" type="checkbox"/> Qualitative <input checked="" type="checkbox"/> Quantitative	<i>Select all that apply</i> <input checked="" type="checkbox"/> Frequency of effect occurring <input checked="" type="checkbox"/> Time horizon over which the effect occurs <input checked="" type="checkbox"/> Likelihood of effect occurring
Opportunities	<i>Select all that apply</i> <input checked="" type="checkbox"/> Qualitative <input checked="" type="checkbox"/> Quantitative	<i>Select all that apply</i> <input checked="" type="checkbox"/> Frequency of effect occurring <input checked="" type="checkbox"/> Time horizon over which the effect occurs <input checked="" type="checkbox"/> Likelihood of effect occurring

[Add row]

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**(2.5) Does your organization identify and classify potential water pollutants associated with its activities that could have a detrimental impact on water ecosystems or human health?**

**(2.5.1) Identification and classification of potential water pollutants**

Select from:

Yes, we identify and classify our potential water pollutants

**(2.5.2) How potential water pollutants are identified and classified**

*Corteva policy requires that all operations fully meet or exceed legal and regulatory requirements, which are globally increasing in the amount and complexity. Such rules are subject to change by the implementing governmental agency and the company monitors these changes closely Corteva implements voluntary programs to reduce air emissions, minimize the generation of hazardous waste, decrease the volume of water use and discharges, increase the efficiency of energy use, and reduce the generation of persistent bio accumulative and toxic materials. All waste streams are identified at the point of waste generation and hazardous classification are determined to ensure appropriate treatment for final disposition of the streams depending on its hazardous characteristics. Each site actively monitors and adheres to relevant local regulations concerning wastewater discharges the generation storage handling transportation treatment disposal and remediation of hazardous substances and waste materials. Corteva incurs environmental operating costs for pollution abatement activities including waste collection and disposal installation and maintenance of air pollution controls and wastewater treatment emissions testing and monitoring and obtaining permits. Corteva also incurs environmental operating costs related to environmental related research and development activities including environmental field and treatment studies as well as toxicity and degradation testing.*

[Fixed row]

**(2.5.1) Describe how your organization minimizes the adverse impacts of potential water pollutants on water ecosystems or human health associated with your activities.**

Row 2

**(2.5.1.1) Water pollutant category**

Select from:

Pesticides

**(2.5.1.2) Description of water pollutant and potential impacts**



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*Improper use and application of crop protection products can potentially contaminate water sources if not properly managed. This could have adverse effects on aquatic ecosystems, impacting biodiversity and potentially entering human drinking water sources.*

#### **(2.5.1.4) Actions and procedures to minimize adverse impacts**

*Select all that apply*

- Water recycling
- Procedure(s) under development/ R&D
- Upgrading of process equipment/methods
- Beyond compliance with regulatory requirements
- Reduction or phase out of hazardous substances
- Provision of best practice instructions on product use
- Implementation of integrated solid waste management systems
- Requirement for suppliers to comply with regulatory requirements
- Industrial and chemical accidents prevention, preparedness, and response
- Discharge treatment using sector-specific processes to ensure compliance with regulatory requirements
- Assessment of critical infrastructure and storage condition (leakages, spillages, pipe erosion etc.) and their resilience

#### **(2.5.1.5) Please explain**

*Corteva is dedicated to minimizing the adverse impacts of our activities on water ecosystems and human health. We strive to maintain water quality recognizing its importance for ecosystems human populations and our business. Our efforts extend beyond compliance with environmental laws and regulations as we voluntarily take additional steps to reduce our environmental footprint and provide farmers with advanced technology options that can reduce the impact of agriculture on the environment. We have developed comprehensive materials for responsible crop protection applications including our Enlist weed control system. This includes our online education program available at [www.enlistahead.com](http://www.enlistahead.com), which includes the Enlist Weed Control System 2023 Product Use Guide Enlist Ahead online modules and a mobile app. Our grower training materials emphasize the importance of pollinator protection in agriculture in recognition of the crucial role they play in the health of our food systems and environment. We actively work to reduce impacts to pollinators and the ecosystems they inhabit through operational, commercial, and research and development initiatives. Our best management practices aim to reduce potential pesticide exposure to pollinators protect nonfarmland pollinator habitats and ensure adherence to all product label restrictions and recommendations.*

*[Add row]*

### C3. Disclosure of risks and opportunities

**(3.1) Have you identified any environmental risks which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?**

#### Climate change

##### (3.1.1) Environmental risks identified

Select from:

Yes, both in direct operations and upstream/downstream value chain

#### Water

##### (3.1.1) Environmental risks identified

Select from:

Yes, both in direct operations and upstream/downstream value chain

#### Plastics

##### (3.1.1) Environmental risks identified

Select from:

No

##### (3.1.2) Primary reason why your organization does not consider itself to have environmental risks in your direct operations and/or upstream/downstream value chain

Select from:

Other, please specify :

[Fixed row]

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**(3.1.1) Provide details of the environmental risks identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.**

## Climate change

### (3.1.1.1) Risk identifier

Select from:

Risk1

### (3.1.1.3) Risk types and primary environmental risk driver

Acute physical

Heat wave

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

United States of America

### (3.1.1.9) Organization-specific description of risk

*Corteva operates in various regions worldwide, some of which are prone to extreme heat conditions. These conditions can affect the productivity of our operations and the quality of our products. We are continuously investing in heat-resistant technologies and practices to mitigate this risk.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

Decreased revenues due to reduced demand for products and services

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**(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization**

Select all that apply

Short-term

**(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon**

Select from:

Likely

**(3.1.1.14) Magnitude**

Select from:

High

**(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*The cost calculation includes the expenses related to research and development, field trials, and regulatory approval processes. The exact financial figures are proprietary information and are not publicly disclosed.*

**(3.1.1.17) Are you able to quantify the financial effect of the risk?**

Select from:

No

**(3.1.1.26) Primary response to risk**

**Diversification**

Develop new products, services and/or markets

**(3.1.1.27) Cost of response to risk**

0

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### (3.1.1.28) Explanation of cost calculation

*Corteva is committed to advancing agricultural resilience by investing in the development of heat-tolerant crop varieties. This investment includes costs associated with research and development, field trials, and regulatory approvals. While specific financial figures are proprietary, Corteva's overall R&D expenditure amounted to 1,337 million (8% of net sales) in 2023.*

### (3.1.1.29) Description of response

*As a global company, Corteva recognizes the challenges posed by climate change, including extreme heat. We are committed to mitigating this risk through innovative technologies and practices, ensuring the sustainability of our operations and the quality of our products.*

## Water

### (3.1.1.1) Risk identifier

Select from:

Risk1

### (3.1.1.3) Risk types and primary environmental risk driver

#### Acute physical

Flooding (coastal, fluvial, pluvial, groundwater)

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

Direct operations

### (3.1.1.6) Country/area where the risk occurs

Select all that apply

United States of America

### (3.1.1.9) Organization-specific description of risk

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*Our operations could be affected by surface water flooding, which can cause property damage and interrupt production. We have implemented flood-resistant structures and emergency response plans to mitigate this risk.*

**(3.1.1.11) Primary financial effect of the risk**

Select from:

- Increased indirect [operating] costs

**(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization**

Select all that apply

- Short-term

**(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon**

Select from:

- Likely

**(3.1.1.14) Magnitude**

Select from:

- High

**(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*The cost calculation includes the expenses related to research and development, field trials, and regulatory approval processes. The exact financial figures are proprietary information and are not publicly disclosed.*

**(3.1.1.17) Are you able to quantify the financial effect of the risk?**

Select from:

- No

**(3.1.1.26) Primary response to risk**

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## Diversification

- Develop new products, services and/or markets

### (3.1.1.27) Cost of response to risk

0

### (3.1.1.28) Explanation of cost calculation

*Corteva is committed to advancing agricultural resilience by investing in the development of flood-resistant crop varieties. This investment includes costs associated with research and development, field trials, and regulatory approvals. While specific financial figures are proprietary, Corteva's overall R&D expenditure amounted to 1,337 million (8% of net sales) in 2023.*

### (3.1.1.29) Description of response

*As a global company, Corteva recognizes the challenges posed by climate change, including flooding. We are committed to mitigating this risk through innovative technologies and practices, ensuring the sustainability of our operations and the quality of our products.*

## Climate change

### (3.1.1.1) Risk identifier

Select from:

- Risk2

### (3.1.1.3) Risk types and primary environmental risk driver

#### Chronic physical

- Changing wind patterns

### (3.1.1.4) Value chain stage where the risk occurs

Select from:

- Direct operations

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### (3.1.1.6) Country/area where the risk occurs

Select all that apply

- United States of America

### (3.1.1.9) Organization-specific description of risk

*Extreme wind events can cause significant damage to our properties and disrupt our operations. We have implemented wind-resistant structures and emergency response plans to mitigate this risk.*

### (3.1.1.11) Primary financial effect of the risk

Select from:

- Increased direct costs

### (3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization

Select all that apply

- Short-term

### (3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon

Select from:

- Likely

### (3.1.1.14) Magnitude

Select from:

- High

### (3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons

*The cost calculation includes the expenses related to research and development, field trials, and regulatory approval processes. The exact financial figures are proprietary information and are not publicly disclosed.*



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### (3.1.1.17) Are you able to quantify the financial effect of the risk?

Select from:

No

### (3.1.1.26) Primary response to risk

#### Diversification

Develop new products, services and/or markets

### (3.1.1.27) Cost of response to risk

0

### (3.1.1.28) Explanation of cost calculation

*Corteva is committed to advancing agricultural resilience by investing in the development of increased wind-tolerant crop varieties. This investment includes costs associated with research and development, field trials, and regulatory approvals. While specific financial figures are proprietary, Corteva's overall R&D expenditure amounted to 1,337 million (8% of net sales) in 2023.*

### (3.1.1.29) Description of response

*As a global company, Corteva recognizes the challenges posed by climate change, including extreme winds. We are committed to mitigating this risk through innovative technologies and practices, ensuring the sustainability of our operations and the quality of our products.*

## Water

### (3.1.1.1) Risk identifier

Select from:

Risk2

### (3.1.1.3) Risk types and primary environmental risk driver

#### Acute physical

Subsidence

**(3.1.1.4) Value chain stage where the risk occurs**

Select from:

- Direct operations

**(3.1.1.6) Country/area where the risk occurs**

Select all that apply

- United States of America

**(3.1.1.9) Organization-specific description of risk**

*Soil subsidence can cause property damage if low groundwater causes foundations to shift. Corteva monitors soil conditions and implements appropriate soil management practices to mitigate this risk.*

**(3.1.1.11) Primary financial effect of the risk**

Select from:

- Increased direct costs

**(3.1.1.12) Time horizon over which the risk is anticipated to have a substantive effect on the organization**

Select all that apply

- Short-term

**(3.1.1.13) Likelihood of the risk having an effect within the anticipated time horizon**

Select from:

- Likely

**(3.1.1.14) Magnitude**

Select from:

- High

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### **(3.1.1.16) Anticipated effect of the risk on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*The cost calculation includes the expenses related to research and development, field trials, and regulatory approval processes. The exact financial figures are proprietary information and are not publicly disclosed.*

### **(3.1.1.17) Are you able to quantify the financial effect of the risk?**

Select from:

No

### **(3.1.1.26) Primary response to risk**

#### **Diversification**

Develop new products, services and/or markets

### **(3.1.1.27) Cost of response to risk**

0

### **(3.1.1.28) Explanation of cost calculation**

*As an agricultural company, Corteva understands Corteva is working on soil management practices and crop varieties that can cope with soil subsidence. The cost calculation involves the expenses related to research and development, field trials, and regulatory approval processes. While specific financial figures are proprietary, Corteva's overall R&D expenditure amounted to 1,337 million (8% of net sales) in 2023.*

### **(3.1.1.29) Description of response**

*As an agricultural company, Corteva understands the importance of soil health. We are committed to managing the risk of soil subsidence through monitoring and appropriate management practices.*

*[Add row]*

**(3.2) Within each river basin, how many facilities are exposed to substantive effects of water-related risks, and what percentage of your total number of facilities does this represent?**

**Row 1**

**(3.2.1) Country/Area & River basin**

**Bangladesh**

- Ganges - Brahmaputra

**(3.2.2) Value chain stages where facilities at risk have been identified in this river basin**

*Select all that apply*

- Direct operations
- Downstream value chain
- Upstream value chain

**(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin**

7

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

*Select from:*

- Less than 1%

**(3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.10) % organization's total global revenue that could be affected**

*Select from:*

- Less than 1%

**(3.2.11) Please explain**

*Corteva operates in the Ganges-Brahmaputra Basin in India, a region that is home to a diverse range of crops. Our operations in this region primarily focus on the production of corn, soybeans, cotton, and sorghum, among other crops. These crops are vital to the local economy and food security, and their successful cultivation is heavily reliant on the availability and quality of water resources. The Ganges-Brahmaputra Basin is a region that experiences significant water stress due to a combination of factors, including population growth, industrialization, and climate change. These factors contribute to the over-extraction of water resources, pollution, and changes in rainfall patterns, all of which pose risks to the availability and quality of water. Recognizing these challenges, Corteva has implemented a comprehensive water management strategy in this region. This strategy is centered around the vision of stewarding improved water use efficiency for Corteva Seed Production. The success of this strategy is defined by optimized water efficiency and timing, resilience from drought and government restrictions, reliability of yield, optimum quality, and savings for both Corteva and growers. One of our key initiatives in this region is the deployment of AQUAmax technology. This technology is designed to improve the water use efficiency of crops by enhancing their ability to capture and retain water, particularly under drought conditions. This technology involves the use of specialized seed coatings and genetic traits that enable crops to grow deeper roots and better withstand water stress, ultimately resulting in higher yields and less water usage per unit of production. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.*

**Row 2****(3.2.1) Country/Area & River basin****China**

- Huang He (Yellow River)

**(3.2.2) Value chain stages where facilities at risk have been identified in this river basin**

*Select all that apply*

- Direct operations
- Downstream value chain
- Upstream value chain

**(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin**

4

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

RESTRICTED

Select from:

Less than 1%

### (3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin

1000

### (3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin

1000

### (3.2.10) % organization's total global revenue that could be affected

Select from:

Less than 1%

### (3.2.11) Please explain

*Corteva has a strategic focus on sustainability, particularly in regions like the Yellow River Basin in China, where water resources are critical. The company recognizes the importance of water stewardship and has implemented various technologies and practices to enhance water use efficiency and mitigate water-related risks. In the Yellow River Basin, a significant agricultural region, the primary crops include wheat, corn, and soybeans. The region faces water risks such as water scarcity, pollution, and extreme weather events, which can have a substantial impact on agricultural productivity. Corteva's approach to addressing these risks involves the application of innovative technologies and sustainable farming practices. For instance, Corteva's AQUAmax technology is designed to improve the water use efficiency of crops by enhancing their ability to capture and retain water, particularly under drought conditions. This technology involves the use of specialized seed coatings and genetic traits that enable crops to grow deeper roots and better withstand water stress, resulting in higher yields and less water usage per unit of production. AQUAmax technology has been incorporated into several crop varieties, including corn, soybeans, cotton, and sorghum. Corteva introduced Sosdia Stress, a biological solution that protects row crops from environmentally stressful conditions like drought, heat, excess salinity, and excess sunlight. This solution allows plants to focus on growth and productivity, maximizing the conversion of water into crop biomass for better yield potential. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.*

## Row 3

### (3.2.1) Country/Area & River basin

Afghanistan

Indus

**(3.2.2) Value chain stages where facilities at risk have been identified in this river basin**

Select all that apply

- Direct operations
- Downstream value chain
- Upstream value chain

**(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin**

3

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

Select from:

- Less than 1%

**(3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.10) % organization's total global revenue that could be affected**

Select from:

- Less than 1%

**(3.2.11) Please explain**

*The Indus River Basin is crucial for agriculture in India and Pakistan, with major crops including wheat, rice, and cotton. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.*

**Row 4**

**(3.2.1) Country/Area & River basin**

**Albania**

- Danube

**(3.2.2) Value chain stages where facilities at risk have been identified in this river basin**

*Select all that apply*

- Direct operations
- Downstream value chain
- Upstream value chain

**(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin**

1

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

*Select from:*

- Less than 1%

**(3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.10) % organization's total global revenue that could be affected**

*Select from:*

- Less than 1%



**(3.2.11) Please explain**

*The Danube River Basin is Europe's second-largest river basin, supporting a diverse range of agricultural activities. However, the basin is experiencing changes in soil water content and plant water stress due to climate change, impacting agricultural productivity. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.*

**Row 5****(3.2.1) Country/Area & River basin****Spain**

Guadalquivir

**(3.2.2) Value chain stages where facilities at risk have been identified in this river basin**

*Select all that apply*

- Direct operations
- Downstream value chain
- Upstream value chain

**(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin**

1

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

*Select from:*

- Less than 1%

**(3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin**

### (3.2.10) % organization's total global revenue that could be affected

Select from:

- Less than 1%

### (3.2.11) Please explain

*The Guadalquivir River Basin is a significant area for crop production, including olives, cereals, and citrus fruits. The basin's fertile soil and favorable climate conditions make it an ideal location for agriculture. However, the intensive use of water for irrigation and the discharge of agrochemicals into the river system has led to significant environmental challenges, including water pollution and habitat degradation. These issues not only threaten the local biodiversity but also pose risks to the long-term sustainability of agriculture in the region. Corteva recognizes these challenges and is committed to promoting sustainable agricultural practices in the Guadalquivir River Basin and other similar regions around the world. We believe that through innovation and collaboration, we can help farmers in these areas optimize their water use, reduce their environmental impact, and enhance the resilience of their farming systems to environmental stresses. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.*

### Row 6

#### (3.2.1) Country/Area & River basin

**Burundi**

- Nile

#### (3.2.2) Value chain stages where facilities at risk have been identified in this river basin

Select all that apply

- Direct operations  
 Downstream value chain  
 Upstream value chain

#### (3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

RESTRICTED

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

Select from:

Less than 1%

**(3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.10) % organization's total global revenue that could be affected**

Select from:

Less than 1%

**(3.2.11) Please explain**

*The Nile River Basin, spanning countries like Ethiopia and Kenya, is a crucial region for agricultural activities, including the cultivation of crops like coffee, cereals, and legumes. The basin's rich soil and suitable climatic conditions make it a prime location for farming. Corteva acknowledges these challenges and is dedicated to fostering sustainable agricultural practices in the Nile River Basin and other similar regions worldwide. We are confident that through innovation and collaboration, we can assist farmers in these areas to maximize their water use, minimize their environmental footprint, and boost the resilience of their farming systems to environmental stresses. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.*

**Row 8**

**(3.2.1) Country/Area & River basin**

**Argentina**

Rio Grande

**(3.2.2) Value chain stages where facilities at risk have been identified in this river basin**

RESTRICTED

Select all that apply

- Direct operations
- Downstream value chain
- Upstream value chain

### (3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

4

### (3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin

Select from:

- Less than 1%

### (3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin

1000

### (3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin

1000

### (3.2.10) % organization's total global revenue that could be affected

Select from:

- Less than 1%

### (3.2.11) Please explain

*The Rio Grande River Basin is a significant region for agriculture, particularly in the states of Colorado, New Mexico, and Texas in the United States, as well as in the northern regions of Mexico. The river provides a critical water source for irrigation in these areas, supporting the growth of a variety of crops. However, the agricultural use of the river has also led to environmental impacts. Over-extraction of water for irrigation has contributed to the reduction of the river's flow, affecting the river's health and the ecosystems it supports. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.*

Row 9

RESTRICTED

### (3.2.1) Country/Area & River basin

**Bolivia (Plurinational State of)**

Amazonas

### (3.2.2) Value chain stages where facilities at risk have been identified in this river basin

*Select all that apply*

Direct operations

Downstream value chain

Upstream value chain

### (3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin

2

### (3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin

*Select from:*

Less than 1%

### (3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin

1000

### (3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin

1000

### (3.2.10) % organization's total global revenue that could be affected

*Select from:*

Less than 1%

### (3.2.11) Please explain

RESTRICTED

The Amazon River Basin is a vast and diverse region that supports a wide range of agricultural activities. The primary crops grown in this region include soy, maize, cotton, and beans. The region is also home to significant urban and industrial areas, particularly in the central regions of the Preto River and Rosana stream. Despite the extensive agricultural activities, the region still maintains a significant amount of native vegetation, particularly along the river margins. This vegetation varies according to the width of the watercourse and the type of vegetation, as established in the Brazilian Forest Code. The cultivation of crops, particularly soy, has led to increased sediment transport in the region's rivers. This sediment transport can have a variety of impacts, including altering the flow of rivers, contributing to water pollution, and affecting aquatic ecosystems. Despite these challenges, efforts are being made to manage and mitigate the impacts of agriculture on the region's water resources. These efforts include monitoring and managing water usage and implementing practices to reduce sediment transport. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.

**Row 10**

**(3.2.1) Country/Area & River basin**

**Botswana**

- Limpopo

**(3.2.2) Value chain stages where facilities at risk have been identified in this river basin**

Select all that apply

- Direct operations
- Downstream value chain
- Upstream value chain

**(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin**

3

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

Select from:

- Less than 1%

**(3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.10) % organization's total global revenue that could be affected**

Select from:

- Less than 1%

**(3.2.11) Please explain**

*The Limpopo River Basin, located in South Africa, is a region of significant agricultural activity. The basin is characterized by a semi-arid climate, and the Limpopo River is a crucial water source for the region's agricultural activities. The river basin is home to a variety of crops, including maize, sunflower, cotton, and various fruits and vegetables. The region's agriculture is both small-scale, subsistence farming and large-scale, commercial farming. However, the agricultural activities in the Limpopo River Basin have a substantial impact on the region's water resources. The use of water for irrigation, coupled with the effects of climate change, has led to increased water stress in the region. The basin is characterized by high evaporation rates and low rainfall, leading to a high demand for irrigation water. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.*

**Row 12****(3.2.1) Country/Area & River basin****Cambodia**

- Chao Phraya

**(3.2.2) Value chain stages where facilities at risk have been identified in this river basin**

Select all that apply

- Direct operations  
 Downstream value chain  
 Upstream value chain

**(3.2.3) Number of facilities within direct operations exposed to water-related risk in this river basin**

**(3.2.4) % of your organization's total facilities within direct operations exposed to water-related risk in this river basin**

Select from:

 Less than 1%**(3.2.5) Number of facilities within downstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.6) Number of facilities in upstream value chain exposed to water-related risk in this river basin**

1000

**(3.2.10) % organization's total global revenue that could be affected**

Select from:

 Less than 1%**(3.2.11) Please explain**

*The Chao Phraya River Basin in Thailand is a critical region for agriculture, supporting a variety of crops such as rice, sugarcane, and cassava. The basin is highly vulnerable to hydroclimatic extremes, which can significantly impact agricultural activities. The region plays a key role in policymaking in Thailand and subsequently in neighboring countries and possesses a complex existing water governance framework with a multitude of institutions. In terms of agricultural impact, the region's water resources are used for irrigating a variety of crops. The basin is particularly important for rice cultivation, which is a water-intensive crop. Any disruption in water availability could potentially impact rice yields and, consequently, the financial performance of agricultural businesses operating in the region. The number reported within upstream and downstream operations represents an estimate given the scale of Corteva's operations and the extensive network of upstream and downstream partners, which include numerous farmer customers globally. The figure accounts for the broad geographic distribution and variability in exposure to water-related risks, recognizing that a precise facility count is challenging to provide.*

[Add row]

**(3.3) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?**



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	Water-related regulatory violations	Comment
	Select from: <input checked="" type="checkbox"/> No	Corteva was not subject to any fines, enforcement orders, or other penalties for water-related regulatory violations in the reporting year.

[Fixed row]

### (3.5) Are any of your operations or activities regulated by a carbon pricing system (i.e. ETS, Cap & Trade or Carbon Tax)?

Select from:

Yes

#### (3.5.1) Select the carbon pricing regulation(s) which impact your operations.

Select all that apply

- EU ETS
- Québec CaT - ETS
- Ontario EPS - ETS
- Alberta TIER - ETS
- California CaT - ETS
- Saskatchewan OBPS - ETS
- Canada federal fuel charge
- Other carbon tax, please specify :**Manitoba**

#### (3.5.2) Provide details of each Emissions Trading Scheme (ETS) your organization is regulated by.

##### Alberta TIER - ETS

##### (3.5.2.1) % of Scope 1 emissions covered by the ETS

1

##### (3.5.2.2) % of Scope 2 emissions covered by the ETS

1

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**(3.5.2.3) Period start date**

01/01/2023

**(3.5.2.4) Period end date**

12/31/2023

**(3.5.2.5) Allowances allocated**

0

**(3.5.2.6) Allowances purchased**

0

**(3.5.2.7) Verified Scope 1 emissions in metric tons CO<sub>2</sub>e**

0

**(3.5.2.8) Verified Scope 2 emissions in metric tons CO<sub>2</sub>e**

0

**(3.5.2.9) Details of ownership**

Select from:

Facilities we own and operate

**(3.5.2.10) Comment**

*Corteva monitors carbon pricing policies and evolving regulatory landscapes across the jurisdictions in which we operate.*

*[Fixed row]*

**(3.5.3) Complete the following table for each of the tax systems you are regulated by.**

**Canada federal fuel charge****(3.5.3.1) Period start date**

01/01/2023

**(3.5.3.2) Period end date**

12/31/2023

**(3.5.3.5) Comment**

*Corteva monitors carbon pricing policies and evolving regulatory landscapes across the jurisdictions in which we operate. However, we do not publicly disclose detailed information regarding impacts at this level.*

*[Fixed row]*

**(3.5.4) What is your strategy for complying with the systems you are regulated by or anticipate being regulated by?**

*Corteva's strategy for complying with carbon pricing regulations is multifaceted and proactive, focusing on both operational efficiency and strategic investment in sustainable technologies. Operational Efficiency: We continuously strive to improve our operational efficiency to reduce our greenhouse gas emissions. This includes optimizing our energy use, improving our processes, and implementing best practices across our operations. By reducing our emissions, we can minimize our exposure to carbon pricing and the associated costs. Investment in Sustainable Technologies: We invest in research and development to create more sustainable products and solutions. This includes developing seeds and crop protection products that enable farmers to grow more food with less resources, thereby reducing the carbon footprint of agriculture. Engagement and Advocacy: We actively engage with policymakers and industry groups to advocate for fair and effective carbon pricing policies. We believe that well-designed carbon pricing systems can incentivize emission reductions and drive investment in low-carbon technologies. Risk Management: We closely monitor regulatory developments related to carbon pricing around the world. This allows us to anticipate changes and adjust our strategies accordingly. Transparency and Reporting: We are committed to transparency and regularly report on our greenhouse gas emissions and our efforts to reduce them. This includes participating in initiatives like the CDP Climate Change program, which provides investors and other stakeholders with detailed information about our climate-related risks and opportunities. By implementing this strategy, we aim to not only comply with current and future carbon pricing regulations but also to contribute to the global effort to mitigate climate change. We believe that by doing so, we can create value for our stakeholders and help ensure the sustainability of our business in the long term.*

**(3.6) Have you identified any environmental opportunities which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future?**

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	Environmental opportunities identified
Climate change	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, we have identified opportunities, and some/all are being realized
Water	<i>Select from:</i> <input checked="" type="checkbox"/> Yes, we have identified opportunities, and some/all are being realized

[Fixed row]

**(3.6.1) Provide details of the environmental opportunities identified which have had a substantive effect on your organization in the reporting year, or are anticipated to have a substantive effect on your organization in the future.**

### Climate change

#### (3.6.1.1) Opportunity identifier

*Select from:*

Opp1

#### (3.6.1.3) Opportunity type and primary environmental opportunity driver

##### Resource efficiency

Increased efficiency of production and/or distribution processes

#### (3.6.1.4) Value chain stage where the opportunity occurs

*Select from:*

Direct operations

#### (3.6.1.5) Country/area where the opportunity occurs

RESTRICTED

Select all that apply

United States of America

### (3.6.1.8) Organization specific description

*Corteva Agriscience's focus on energy efficiency improvements has had a positive impact on our financial position, financial performance, and cash flows during the reporting period. By investing in energy-efficient technologies and practices, we have achieved considerable cost savings through reduced energy usage and associated costs. The optimization of energy systems enhances our operational efficiency, leading to lower operational expenses.*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

Reduced direct costs

### (3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization

Select all that apply

Short-term

Medium-term

Long-term

The opportunity has already had a substantive effect on our organization in the reporting year

### (3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon

Select from:

Virtually certain (99–100%)

### (3.6.1.12) Magnitude

Select from:

Medium

### (3.6.1.13) Effect of the opportunity on the financial position, financial performance and cash flows of the organization in the reporting period

*The investment in energy-efficient technologies and practices has led to significant cost savings in our manufacturing processes. By optimizing our manufacturing processes and upgrading the energy efficiency of our facilities, we have achieved notable reductions in energy consumption, resulting in lower operational costs. The implementation of*

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*advanced heating and cooling systems, energy-efficient lighting, and machinery has further contributed to these savings. Additionally, our energy management systems, which monitor energy consumption in real-time, have enabled us to identify and capitalize on further efficiency improvements. These initiatives have collectively improved our financial performance by reducing overhead costs and enhancing profitability. The positive cash flows generated from these cost-saving measures have been reinvested into further sustainability initiatives, reinforcing our commitment to environmental stewardship.*

**(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*The continued optimization of our manufacturing processes and the implementation of advanced energy management systems will provide us with the ability to proactively manage energy consumption, further driving down costs and improving profitability.*

**(3.6.1.15) Are you able to quantify the financial effects of the opportunity?**

Select from:

No

**(3.6.1.24) Cost to realize opportunity**

0

**(3.6.1.25) Explanation of cost calculation**

*Corteva is committed to advancing agricultural resilience by investing in the development of energy-efficient technologies in our operations. This investment includes costs associated with research and development, field trials, and regulatory approvals. While specific financial figures are proprietary, Corteva's overall R&D expenditure amounted to 1,337 million (8% of net sales) in 2023.*

**(3.6.1.26) Strategy to realize opportunity**

*At our Harbor Beach site in Michigan, U.S., electricity and gas use audits have identified potential energy savings of 10-15%. As a result, we are planning several projects that have the potential to save an estimated 10,000 tons of GHG emissions each year. These range from optimizing steam and process air use, to installing control valves, and varying frequency drives on select pumps.*

**Water**

**(3.6.1.1) Opportunity identifier**

Select from:

RESTRICTED

Opp1

### (3.6.1.3) Opportunity type and primary environmental opportunity driver

#### Resource efficiency

Increased efficiency of production and/or distribution processes

### (3.6.1.4) Value chain stage where the opportunity occurs

Select from:

Direct operations

### (3.6.1.5) Country/area where the opportunity occurs

Select all that apply

United States of America

### (3.6.1.6) River basin where the opportunity occurs

Select all that apply

Colorado River (Pacific Ocean)

### (3.6.1.8) Organization specific description

*Corteva Agriscience's focus on sustainable water management has had a significant positive impact on our financial position, financial performance, and cash flows during the reporting period. By investing in water-efficient technologies and practices, we have achieved considerable cost savings through reduced water usage and associated costs. The optimization of irrigation systems and implementation of water recycling and reuse initiatives have enhanced our operational efficiency, leading to lower operational expenses. Additionally, our water management systems, which provide real-time monitoring and data analytics, have enabled us to identify and address water use inefficiencies promptly. These initiatives have not only reduced our water footprint but also mitigated risks associated with water scarcity and regulatory compliance. The financial benefits realized from these water-saving measures have improved our profitability and provided additional funds for reinvestment into further sustainability projects, reinforcing our commitment to environmental stewardship.*

### (3.6.1.9) Primary financial effect of the opportunity

Select from:

Reduced direct costs

**(3.6.1.10) Time horizon over which the opportunity is anticipated to have a substantive effect on the organization***Select all that apply*

- Short-term
- Medium-term
- Long-term
- The opportunity has already had a substantive effect on our organization in the reporting year

**(3.6.1.11) Likelihood of the opportunity having an effect within the anticipated time horizon***Select from:*

- Virtually certain (99–100%)

**(3.6.1.12) Magnitude***Select from:*

- Medium

**(3.6.1.13) Effect of the opportunity on the financial position, financial performance and cash flows of the organization in the reporting period**

*Corteva Agriscience's focus on sustainable water management has had a significant positive impact on our financial position, financial performance, and cash flows during the reporting period. By investing in water-efficient technologies and practices, we have achieved considerable cost savings through reduced water usage and associated costs. The optimization of irrigation systems and implementation of water recycling and reuse initiatives have enhanced our operational efficiency, leading to lower operational expenses. Additionally, our water management systems, which provide real-time monitoring and data analytics, have enabled us to identify and address water use inefficiencies promptly. These initiatives have not only reduced our water footprint but also mitigated risks associated with water scarcity and regulatory compliance. The financial benefits realized from these water-saving measures have improved our profitability and provided additional funds for reinvestment into further sustainability projects, reinforcing our commitment to environmental stewardship.*

**(3.6.1.14) Anticipated effect of the opportunity on the financial position, financial performance and cash flows of the organization in the selected future time horizons**

*These efforts will contribute to sustained reductions in water usage and associated costs, strengthening our overall financial health. As we continue to optimize our irrigation systems and expand our water recycling and reuse initiatives, we expect to achieve greater resource conservation and cost efficiencies. The proactive management of water resources also positions us favorably with stakeholders, enhancing our reputation and competitiveness in the market.*

**(3.6.1.15) Are you able to quantify the financial effects of the opportunity?**



RESTRICTED

Select from:

No

#### (3.6.1.24) Cost to realize opportunity

0

#### (3.6.1.25) Explanation of cost calculation

*Corteva is committed to advancing agricultural resilience by investing in the development of sustainable water management in our operations. This investment includes costs associated with research and development, field trials, and regulatory approvals. While specific financial figures are proprietary, Corteva's overall R&D expenditure amounted to 1,337 million (8% of net sales) in 2023.*

#### (3.6.1.26) Strategy to realize opportunity

*Our Waimea R&D Research Center in Hawaii has been named Conservationist of the Year by the Kauai Soil and Water Conservation District. The farm showcases diverse cover cropping, native tree breaks, water-saving techniques, and grassed banks of waterways that prevent erosion, among other nature-sensitive practices. It is here, within areas of agriculture acres that experience high levels of water stress, that our sustainable innovation goal's product-specific criteria for water use and water quality come into play, presenting substantial opportunities to enhance water security on a global scale. These criteria are a cornerstone of our sustainable innovation goal criteria, guiding our efforts in new product development. As of 2023, we have made substantial progress on this goal within our pipeline; approximately 80% of our new crop protection products are designed to meet criteria that enhance water quality and minimize groundwater risk, surpassing existing baseline benchmarks. Furthermore, 100% of new seed products in our pipeline are crafted to exceed existing standards in water use efficiency. These criteria are not only in place to support growers who may be at risk due to seasonal and longer term droughts, but also to fortify our supply chain to our customers, who rely on our innovations to manage water stress effectively*

*[Add row]*

## C4. Governance

### (4.1) Does your organization have a board of directors or an equivalent governing body?

#### (4.1.1) Board of directors or equivalent governing body

Select from:

Yes

#### (4.1.2) Frequency with which the board or equivalent meets

Select from:

Quarterly

#### (4.1.3) Types of directors your board or equivalent is comprised of

Select all that apply

Executive directors or equivalent

#### (4.1.4) Board diversity and inclusion policy

Select from:

Yes, and it is publicly available

#### (4.1.5) Briefly describe what the policy covers

*The primary purpose of the Sustainability and Innovation Committee (the "Committee") of the Board of Directors (the "Board") of Corteva, Inc. (the "Company") is to assist the Board in fulfilling its oversight responsibilities by assessing the effectiveness of and advising the Board on (1) the Company's corporate social responsibility programs and initiatives, including the Company's product quality stewardship and sustainability policies and programs and (2) the Company's innovation programs and initiatives, including the Company's science and technology policies and programs*

#### (4.1.6) Attach the policy (optional)

*Corteva\_Sustainability & Innovation Committee Charter\_as amended 7.21.2023.pdf*  
[Fixed row]

**(4.1.1) Is there board-level oversight of environmental issues within your organization?**

	Board-level oversight of this environmental issue
Climate change	Select from: <input checked="" type="checkbox"/> Yes
Water	Select from: <input checked="" type="checkbox"/> Yes
Biodiversity	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(4.1.2) Identify the positions (do not include any names) of the individuals or committees on the board with accountability for environmental issues and provide details of the board’s oversight of environmental issues.**

**Climate change**

**(4.1.2.1) Positions of individuals or committees with accountability for this environmental issue**

Select all that apply

- Board chair
- Other C-Suite Officer
- Board-level committee

**(4.1.2.2) Positions’ accountability for this environmental issue is outlined in policies applicable to the board**

Select from:

RESTRICTED

Yes

#### (4.1.2.3) Policies which outline the positions' accountability for this environmental issue

*Select all that apply*

- Board Terms of Reference
- Board mandate

#### (4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

*Select from:*

- Sporadic – agenda item as important matters arise

#### (4.1.2.5) Governance mechanisms into which this environmental issue is integrated

*Select all that apply*

- Reviewing and guiding annual budgets
- Overseeing and guiding scenario analysis
- Overseeing the setting of corporate targets
- Monitoring progress towards corporate targets
- Approving corporate policies and/or commitments
- Monitoring the implementation of the business strategy
- Overseeing reporting, audit, and verification processes
- Monitoring the implementation of a climate transition plan
- Overseeing and guiding the development of a business strategy
- Overseeing and guiding acquisitions, mergers, and divestitures
- Monitoring supplier compliance with organizational requirements
- Monitoring compliance with corporate policies and/or commitments
- Overseeing and guiding the development of a climate transition plan
- Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities
- Overseeing and guiding public policy engagement
- Overseeing and guiding public policy engagement
- Reviewing and guiding innovation/R&D priorities
- Approving and/or overseeing employee incentives
- Overseeing and guiding major capital expenditures

#### (4.1.2.7) Please explain

## RESTRICTED

Ten out of the thirteen board members have been recognized for their expertise in Environmental/Sustainability/Corporate Responsibility. They have experience in managing environmental, corporate responsibility, and sustainability initiatives, and understand their relationship to the company's business and strategy. Their experience in public company board roles is instrumental in guiding our stakeholder engagement on climate issues, reinforcing Corteva's commitment to addressing major environmental and social challenges. Their expertise is not only enhancing Corteva's climate strategy but also driving its transformation into a leader in sustainable agricultural technology. The Sustainability and Innovation Committee of the Board plays a pivotal role in this process. The Committee's primary purpose is to assist the Board in fulfilling its oversight responsibilities by assessing the effectiveness of and advising the Board on the Company's corporate social responsibility programs and initiatives, including product quality stewardship and sustainability policies and programs. The Committee is responsible for reviewing and monitoring the Company's climate change risks, plans, goals, and targets on behalf of the Board, and reviews the progress against such goals and targets annually. It oversees and assesses all aspects of the Company's science and technology capabilities in relation to its strategies and plans, including the development of key technologies and major science-driven innovation initiatives essential to the long-term success of the Company. The Committee also makes recommendations to the Board and the management of the Company to continually enhance the Company's science and technology capabilities. In essence, the board's designated positions and the Sustainability and Innovation Committee are integral to Corteva's approach to managing climate-related issues, demonstrating a clear commitment to sustainability and climate resilience at the highest level of governance. This commitment is central to Corteva's identity as a sustainable technology solutions provider, setting it apart from traditional agricultural companies and positioning it as a leader in the field.

## Water

### (4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

- Other C-Suite Officer

### (4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

- No

### (4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

- Sporadic – agenda item as important matters arise

### (4.1.2.5) Governance mechanisms into which this environmental issue is integrated

Select all that apply

- Reviewing and guiding annual budgets
- Overseeing and guiding scenario analysis
- Overseeing the setting of corporate targets
- Overseeing and guiding public policy engagement
- Overseeing and guiding public policy engagement
- Reviewing and guiding innovation/R&D priorities

## RESTRICTED

- Monitoring progress towards corporate targets
- Approving corporate policies and/or commitments
- Monitoring the implementation of the business strategy
- Overseeing reporting, audit, and verification processes
- Monitoring the implementation of a climate transition plan
- Overseeing and guiding the development of a business strategy
- Overseeing and guiding acquisitions, mergers, and divestitures
- Monitoring supplier compliance with organizational requirements
- Monitoring compliance with corporate policies and/or commitments
- Overseeing and guiding the development of a climate transition plan
- Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities
- Approving and/or overseeing employee incentives
- Overseeing and guiding major capital expenditures

### (4.1.2.7) Please explain

*The Chairperson of the Board of Directors' Sustainability and Innovation Committee is responsible for overseeing the Company's corporate social responsibility programs and initiatives, including sustainability policies and programs. This includes assessing the effectiveness of these programs, advising the Board on these matters, and making recommendations to promote and maintain superior standards of performance. The Chairperson also oversees the Company's climate change risks, plans, goals, targets, and sustainable innovation strategy, including those related to product-related water criteria, and reviews the progress against these annually.*

## Biodiversity

### (4.1.2.1) Positions of individuals or committees with accountability for this environmental issue

Select all that apply

- Other C-Suite Officer

### (4.1.2.2) Positions' accountability for this environmental issue is outlined in policies applicable to the board

Select from:

- No

### (4.1.2.4) Frequency with which this environmental issue is a scheduled agenda item

Select from:

- Sporadic – agenda item as important matters arise

**(4.1.2.5) Governance mechanisms into which this environmental issue is integrated***Select all that apply*

- Reviewing and guiding annual budgets
- Overseeing and guiding scenario analysis
- Overseeing the setting of corporate targets
- Monitoring progress towards corporate targets
- Approving corporate policies and/or commitments
- Monitoring the implementation of the business strategy
- Overseeing reporting, audit, and verification processes
- Monitoring the implementation of a climate transition plan
- Overseeing and guiding the development of a business strategy
- Overseeing and guiding acquisitions, mergers, and divestitures
- Monitoring supplier compliance with organizational requirements
- Monitoring compliance with corporate policies and/or commitments
- Overseeing and guiding the development of a climate transition plan
- Reviewing and guiding the assessment process for dependencies, impacts, risks, and opportunities
- Overseeing and guiding public policy engagement
- Overseeing and guiding public policy engagement
- Reviewing and guiding innovation/R&D priorities
- Approving and/or overseeing employee incentives
- Overseeing and guiding major capital expenditures

**(4.1.2.7) Please explain**

*The Chairperson of the Board of Directors' Sustainability and Innovation Committee is responsible for overseeing the Company's corporate social responsibility programs and initiatives, including sustainability policies and programs. This includes assessing the effectiveness of these programs, advising the Board on these matters, and making recommendations to promote and maintain superior standards of performance. The Chairperson also oversees the Company's climate change risks, plans, goals, targets, and sustainable innovation strategy, including those related to product-related water criteria, and reviews the progress against these annually.*

*[Fixed row]***(4.2) Does your organization's board have competency on environmental issues?****Climate change****(4.2.1) Board-level competency on this environmental issue***Select from:*

- Yes

RESTRICTED

#### (4.2.2) Mechanisms to maintain an environmentally competent board

*Select all that apply*

- Consulting regularly with an internal, permanent, subject-expert working group
- Engaging regularly with external stakeholders and experts on environmental issues
- Integrating knowledge of environmental issues into board nominating process
- Regular training for directors on environmental issues, industry best practice, and standards (e.g., TCFD, SBTi)
- Having at least one board member with expertise on this environmental issue

#### (4.2.3) Environmental expertise of the board member

##### **Experience**

- Executive-level experience in a role focused on environmental issues

##### **Water**

#### (4.2.1) Board-level competency on this environmental issue

*Select from:*

- Yes

#### (4.2.2) Mechanisms to maintain an environmentally competent board

*Select all that apply*

- Consulting regularly with an internal, permanent, subject-expert working group
- Engaging regularly with external stakeholders and experts on environmental issues
- Integrating knowledge of environmental issues into board nominating process
- Regular training for directors on environmental issues, industry best practice, and standards (e.g., TCFD, SBTi)
- Having at least one board member with expertise on this environmental issue

#### (4.2.3) Environmental expertise of the board member

##### **Experience**

- Executive-level experience in a role focused on environmental issues



[Fixed row]

**(4.3) Is there management-level responsibility for environmental issues within your organization?**

	Management-level responsibility for this environmental issue
Climate change	Select from: <input checked="" type="checkbox"/> Yes
Water	Select from: <input checked="" type="checkbox"/> Yes
Biodiversity	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(4.3.1) Provide the highest senior management-level positions or committees with responsibility for environmental issues (do not include the names of individuals).**

**Climate change**

**(4.3.1.1) Position of individual or committee with responsibility**

**Executive level**

Other C-Suite Officer, please specify :Chief Strategy Officer

**(4.3.1.2) Environmental responsibilities of this position**

RESTRICTED

**Dependencies, impacts, risks and opportunities**

- ✓ Assessing environmental dependencies, impacts, risks, and opportunities
- ✓ Assessing future trends in environmental dependencies, impacts, risks, and opportunities
- ✓ Managing environmental dependencies, impacts, risks, and opportunities

**Engagement**

- ✓ Managing engagement in landscapes and/or jurisdictions
- ✓ Managing public policy engagement related to environmental issues
- ✓ Managing supplier compliance with environmental requirements
- ✓ Managing value chain engagement related to environmental issues

**Policies, commitments, and targets**

- ✓ Monitoring compliance with corporate environmental policies and/or commitments
- ✓ Measuring progress towards environmental corporate targets
- ✓ Measuring progress towards environmental science-based targets
- ✓ Setting corporate environmental policies and/or commitments
- ✓ Setting corporate environmental targets

**Strategy and financial planning**

- ✓ Developing a climate transition plan
- ✓ Implementing a climate transition plan
- ✓ Conducting environmental scenario analysis
- ✓ Managing annual budgets related to environmental issues
- ✓ Implementing the business strategy related to environmental issues
- ✓ Developing a business strategy which considers environmental issues
- ✓ Managing environmental reporting, audit, and verification processes
- ✓ Managing acquisitions, mergers, and divestitures related to environmental issues
- ✓ Managing major capital and/or operational expenditures relating to environmental issues
- ✓ Managing priorities related to innovation/low-environmental impact products or services (including R&D)

**Other**

- ✓ Providing employee incentives related to environmental performance

#### (4.3.1.4) Reporting line

Select from:

- Reports to the Chief Executive Officer (CEO)

#### (4.3.1.5) Frequency of reporting to the board on environmental issues

Select from:

- Annually

### Water

#### (4.3.1.1) Position of individual or committee with responsibility

##### Executive level

- Other C-Suite Officer, please specify :Chief Strategy Officer

#### (4.3.1.2) Environmental responsibilities of this position

##### Dependencies, impacts, risks and opportunities

- Assessing environmental dependencies, impacts, risks, and opportunities
- Assessing future trends in environmental dependencies, impacts, risks, and opportunities
- Managing environmental dependencies, impacts, risks, and opportunities

##### Engagement

- Managing engagement in landscapes and/or jurisdictions
- Managing public policy engagement related to environmental issues
- Managing supplier compliance with environmental requirements
- Managing value chain engagement related to environmental issues

##### Policies, commitments, and targets

- Monitoring compliance with corporate environmental policies and/or commitments
- Measuring progress towards environmental corporate targets
- Measuring progress towards environmental science-based targets

## RESTRICTED

- Setting corporate environmental policies and/or commitments
- Setting corporate environmental targets

### **Strategy and financial planning**

- Developing a climate transition plan
- Implementing a climate transition plan
- Conducting environmental scenario analysis
- Managing annual budgets related to environmental issues
- Implementing the business strategy related to environmental issues
- Developing a business strategy which considers environmental issues
- Managing environmental reporting, audit, and verification processes
- Managing acquisitions, mergers, and divestitures related to environmental issues
- Managing major capital and/or operational expenditures relating to environmental issues
- Managing priorities related to innovation/low-environmental impact products or services (including R&D)

### **Other**

- Providing employee incentives related to environmental performance

## **(4.3.1.4) Reporting line**

*Select from:*

- Reports to the Chief Executive Officer (CEO)

## **(4.3.1.5) Frequency of reporting to the board on environmental issues**

*Select from:*

- Annually

## **(4.3.1.6) Please explain**

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

## **Biodiversity**

RESTRICTED

#### (4.3.1.1) Position of individual or committee with responsibility

##### Executive level

Other C-Suite Officer, please specify :Chief Strategy Officer

[Add row]

#### (4.5) Do you provide monetary incentives for the management of environmental issues, including the attainment of targets?

##### Climate change

#### (4.5.1) Provision of monetary incentives related to this environmental issue

Select from:

Yes

#### (4.5.2) % of total C-suite and board-level monetary incentives linked to the management of this environmental issue

10

#### (4.5.3) Please explain

*The ESG modifier is based on a holistic evaluation by the Committee of key accomplishments and actions taken during the year to advance Corteva's values and sustainability performance, including attracting and retaining the best talent by building an innovative, inclusive culture and workforce, and increasing the sales of crop protection solutions that can deliver abundant high-quality food to the world in a more sustainable manner. The Committee may choose to apply the ESG modifier to adjust the payout amounts upwards or downwards by up to 10% or determine not to make any adjustments.*

##### Water

#### (4.5.1) Provision of monetary incentives related to this environmental issue

Select from:

Yes

#### (4.5.2) % of total C-suite and board-level monetary incentives linked to the management of this environmental issue

**(4.5.3) Please explain**

*The ESG modifier is based on a holistic evaluation by the Committee of key accomplishments and actions taken during the year to advance Corteva's values and sustainability performance, including attracting and retaining the best talent by building an innovative, inclusive culture and workforce, and increasing the sales of crop protection solutions that can deliver abundant high-quality food to the world in a more sustainable manner. The Committee may choose to apply the ESG modifier to adjust the payout amounts upwards or downwards by up to 10% or determine not to make any adjustments.*

*[Fixed row]*

**(4.5.1) Provide further details on the monetary incentives provided for the management of environmental issues (do not include the names of individuals).****Climate change****(4.5.1.1) Position entitled to monetary incentive****Board or executive level**

Corporate executive team

**(4.5.1.2) Incentives**

*Select all that apply*

Bonus - % of salary

**(4.5.1.3) Performance metrics****Targets**

Progress towards environmental targets

**(4.5.1.4) Incentive plan the incentives are linked to**

*Select from:*

Long-Term Incentive Plan, or equivalent, only (e.g. contractual multi-year bonus)

RESTRICTED

#### (4.5.1.5) Further details of incentives

*The ESG modifier is based on a holistic evaluation by the Committee of key accomplishments and actions taken during the year to advance Corteva's values and sustainability performance, including attracting and retaining the best talent by building an innovative, inclusive culture and workforce, and increasing the sales of crop protection solutions that can deliver abundant high-quality food to the world in a more sustainable manner. The Committee may choose to apply the ESG modifier to adjust the payout amounts upwards or downwards by up to 10% or determine not to make any adjustments.*

#### (4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan

*The Committee believes the inclusion of the ESG modifier within the PRP reflects Corteva's commitment to promoting values-driven leadership and sustainable innovation in a manner consistent with its long-standing, business-relevant environmental and social priorities.*

### Water

#### (4.5.1.1) Position entitled to monetary incentive

##### Board or executive level

- Corporate executive team

#### (4.5.1.2) Incentives

*Select all that apply*

- Bonus - % of salary

#### (4.5.1.3) Performance metrics

##### Targets

- Progress towards environmental targets

#### (4.5.1.4) Incentive plan the incentives are linked to

*Select from:*

- Long-Term Incentive Plan, or equivalent, only (e.g. contractual multi-year bonus)

#### (4.5.1.5) Further details of incentives

RESTRICTED

The ESG modifier is based on a holistic evaluation by the Committee of key accomplishments and actions taken during the year to advance Corteva's values and sustainability performance, including attracting and retaining the best talent by building an innovative, inclusive culture and workforce, and increasing the sales of crop protection solutions that can deliver abundant high-quality food to the world in a more sustainable manner. The Committee may choose to apply the ESG modifier to adjust the payout amounts upwards or downwards by up to 10% or determine not to make any adjustments.

**(4.5.1.6) How the position's incentives contribute to the achievement of your environmental commitments and/or climate transition plan**

The Committee believes the inclusion of the ESG modifier within the PRP reflects Corteva's commitment to promoting values-driven leadership and sustainable innovation in a manner consistent with its long-standing, business-relevant environmental and social priorities.

[Add row]

**(4.6) Does your organization have an environmental policy that addresses environmental issues?**

	<b>Does your organization have any environmental policies?</b>
	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(4.6.1) Provide details of your environmental policies.**

**Row 1**

**(4.6.1.1) Environmental issues covered**

Select all that apply

- Climate change
- Water
- Biodiversity

**(4.6.1.2) Level of coverage**



RESTRICTED

Select from:

- Organization-wide

#### (4.6.1.3) Value chain stages covered

Select all that apply

- Direct operations
- Upstream value chain
- Downstream value chain
- Portfolio

#### (4.6.1.4) Explain the coverage

*Corteva strives to provide a work environment that is safe, healthy, and protective of the environment. The Corteva Agriscience EHS&S philosophy is built upon basic principles that provide the foundation for our Live Safely value. 1. All injuries, occupational illnesses, and EHS&S events can be prevented 2. People are the most important part of the EHS&S program 3. Management is responsible and accountable 4. Working in a safe, healthy, and environmentally responsible manner is a condition of employment 5. Employees are trained to work in a safe, healthy, and environmentally responsible manner 6. All EHS&S deficiencies are mitigated, corrected, and verified promptly 7. All employees are authorized and expected to stop work and reassess hazards whenever the safety of any work is in doubt 8. Interactive EHS&S audits, assessment and inspection processes are implemented in the workplace 9. EHS&S events are reported, investigated, and the learnings shared 10. Off-the-job safety and wellness are important aspects of the EHS&S program When these principles are understood and internalized by all individuals in the organization, EHS&S becomes integral to the way we operate and conduct business. The Live Safely Value is present in all aspects of work, from simple day-to-day tasks to critical decision making. It is the basis of our Core for Life identity.*

#### (4.6.1.5) Environmental policy content

##### Environmental commitments

- Commitment to avoidance of negative impacts on threatened and protected species
- Commitment to comply with regulations and mandatory standards
- Commitment to take environmental action beyond regulatory compliance
- Commitment to engage in integrated, multi-stakeholder landscape (including river basin) initiatives to promote shared sustainability goals
- Commitment to implementation of nature-based solutions that support landscape restoration and long-term protection of natural ecosystems

#### (4.6.1.6) Indicate whether your environmental policy is in line with global environmental treaties or policy goals

Select all that apply

RESTRICTED

- Yes, in line with the Paris Agreement
- Yes, in line with the Kunming-Montreal Global Biodiversity Framework

#### (4.6.1.7) Public availability

Select from:

- Publicly available

#### (4.6.1.8) Attach the policy

*EHS&S\_Commitment.pdf*  
[Add row]

### (4.10) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

#### (4.10.1) Are you a signatory or member of any environmental collaborative frameworks or initiatives?

Select from:

- Yes

#### (4.10.2) Collaborative framework or initiative

Select all that apply

- Global Reporting Initiative (GRI) Community Member
- UN Global Compact
- World Business Council for Sustainable Development (WBCSD)
- Other, please specify :American Chemistry Council (ACC), Together for Sustainability (Tfs), Ag Container Recycling Council (ACRC)

#### (4.10.3) Describe your organization's role within each framework or initiative

*Corteva's reporting and sustainability strategy are built upon the GRI Standards, Sustainability Accounting Standards Board Standard for the Chemical Sector, the Task Force on Climate-related Financial Disclosures, and the UNGC Communication on Progress.*

[Fixed row]

RESTRICTED

**(4.11) In the reporting year, did your organization engage in activities that could directly or indirectly influence policy, law, or regulation that may (positively or negatively) impact the environment?**

**(4.11.1) External engagement activities that could directly or indirectly influence policy, law, or regulation that may impact the environment**

*Select all that apply*

Yes, we engaged indirectly through, and/or provided financial or in-kind support to a trade association or other intermediary organization or individual whose activities could influence policy, law, or regulation

**(4.11.2) Indicate whether your organization has a public commitment or position statement to conduct your engagement activities in line with global environmental treaties or policy goals**

*Select from:*

Yes, we have a public commitment or position statement in line with global environmental treaties or policy goals

**(4.11.3) Global environmental treaties or policy goals in line with public commitment or position statement**

*Select all that apply*

Paris Agreement

**(4.11.4) Attach commitment or position statement**

*DOC-Corteva\_2023\_Sustainability\_Report-Global (1).pdf*

**(4.11.5) Indicate whether your organization is registered on a transparency register**

*Select from:*

Unknown

**(4.11.8) Describe the process your organization has in place to ensure that your external engagement activities are consistent with your environmental commitments and/or transition plan**

*We are committed to a 65% intensity reduction target (42% absolute reduction target) for Scope 1 and 2 emissions by 2030, consistent with the 1.5C pathway identified in the Paris Agreement.*

*[Fixed row]*

RESTRICTED

**(4.11.2) Provide details of your indirect engagement on policy, law, or regulation that may (positively or negatively) impact the environment through trade associations or other intermediary organizations or individuals in the reporting year.**

**Row 1**

**(4.11.2.1) Type of indirect engagement**

*Select from:*

Indirect engagement via a trade association

**(4.11.2.4) Trade association**

**North America**

Other trade association in North America, please specify :CropLife America

**(4.11.2.5) Environmental issues relevant to the policies, laws, or regulations on which the organization or individual has taken a position**

*Select all that apply*

Climate change

Water

**(4.11.2.6) Indicate whether your organization's position is consistent with the organization or individual you engage with**

*Select from:*

Consistent

**(4.11.2.7) Indicate whether your organization attempted to influence the organization or individual's position in the reporting year**

*Select from:*

Yes, we publicly promoted their current position

**(4.11.2.8) Describe how your organization's position is consistent with or differs from the organization or individual's position, and any actions taken to influence their position**

RESTRICTED

*Corteva aligns closely with CropLife America's positions on advancing modern agriculture through science-based regulatory advocacy, innovation in crop protection, and sustainable farming practices. As an active member, Corteva supports CropLife America's efforts to promote policies that encourage agricultural productivity, environmental stewardship, and the responsible use of crop protection products. We collaborate to ensure that farmers have access to innovative solutions while upholding rigorous safety standards and fostering sustainable agricultural systems.*

**(4.11.2.9) Funding figure your organization provided to this organization or individual in the reporting year (currency)**

226000

**(4.11.2.10) Describe the aim of this funding and how it could influence policy, law or regulation that may impact the environment**

*The funding provided by CropLife America and its members, including Corteva, aims to influence agricultural policy in ways that ensure farmers have access to the latest technologies. This support can shape regulations, potentially impacting the environment by promoting policies that favor the responsible use of crop protection products, balancing increased agricultural productivity with environmental protection. The goal is to foster an agricultural system that is both economically viable for farmers and considerate of long-term sustainability.*

**(4.11.2.11) Indicate if you have evaluated whether your organization's engagement is aligned with global environmental treaties or policy goals**

Select from:

Yes, we have evaluated, and it is aligned

[Add row]

**(4.12) Have you published information about your organization's response to environmental issues for this reporting year in places other than your CDP response?**

Select from:

Yes

**(4.12.1) Provide details on the information published about your organization's response to environmental issues for this reporting year in places other than your CDP response. Please attach the publication.**

Row 1

**(4.12.1.1) Publication**

RESTRICTED

Select from:

- In mainstream reports

#### (4.12.1.3) Environmental issues covered in publication

Select all that apply

- Climate change
- Water

#### (4.12.1.4) Status of the publication

Select from:

- Complete

#### (4.12.1.5) Content elements

Select all that apply

- Risks & Opportunities
- Strategy

#### (4.12.1.6) Page/section reference

Page 14 *Climate change and unpredictable seasonal and weather factors could impact Corteva's sales and earnings.*

#### (4.12.1.7) Attach the relevant publication

*Corteva Annual Report 2023\_R.pdf*

#### (4.12.1.8) Comment

*The agriculture industry is subject to seasonal and weather factors, which can vary unpredictably from period to period. Weather factors can affect the presence of disease and pests on a regional basis and, accordingly, can positively or adversely affect the demand for crop protection products, including the mix of products used or the level of returns. The weather also can affect supply chains and the quality, volume and cost of seed produced for sale as well as demand and product mix. Seed yields can be higher or lower than planned, which could lead to higher inventory and related write-offs. Climate change may increase the frequency or intensity of extreme weather such as storms, floods, heat waves, droughts and other events that could affect the quality, volume and cost of seed produced for sale as well as demand and product mix. 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.*

[Add row]

RESTRICTED

## C5. Business strategy

(5.1) Does your organization use scenario analysis to identify environmental outcomes?

### Climate change

#### (5.1.1) Use of scenario analysis

Select from:

Yes

#### (5.1.2) Frequency of analysis

Select from:

Annually

### Water

#### (5.1.1) Use of scenario analysis

Select from:

Yes

#### (5.1.2) Frequency of analysis

Select from:

Annually

[Fixed row]

(5.1.1) Provide details of the scenarios used in your organization's scenario analysis.

### Climate change



RESTRICTED

#### (5.1.1.1) Scenario used

##### Physical climate scenarios

RCP 4.5

#### (5.1.1.2) Scenario used SSPs used in conjunction with scenario

Select from:

SSP2

#### (5.1.1.3) Approach to scenario

Select from:

Qualitative and quantitative

#### (5.1.1.4) Scenario coverage

Select from:

Organization-wide

#### (5.1.1.5) Risk types considered in scenario

Select all that apply

Acute physical

Chronic physical

#### (5.1.1.6) Temperature alignment of scenario

Select from:

4.0°C and above

#### (5.1.1.7) Reference year

2023

**(5.1.1.8) Timeframes covered**

Select all that apply

- 2030
- 2040
- 2050
- 2100

**(5.1.1.9) Driving forces in scenario****Local ecosystem asset interactions, dependencies and impacts**

- Climate change (one of five drivers of nature change)

**(5.1.1.10) Assumptions, uncertainties and constraints in scenario**

*The RCP 4.5 scenario assumes moderate global efforts to mitigate greenhouse gas emissions, with international agreements and policies promoting renewable energy and technological advancements in energy efficiency and carbon capture. It presumes continued economic growth, balanced with sustainability efforts, and significant land use changes, such as reduced deforestation and increased afforestation. Population growth follows a moderate trajectory. However, uncertainties include the effectiveness and timing of policy implementation, technological development pace, economic factors, behavioral changes, and natural system responses. Constraints involve the feasibility of mitigation measures, global cooperation, resource availability, adaptation limits, and the potential for exacerbating social and economic inequities.*

**(5.1.1.11) Rationale for choice of scenario**

*This scenario is a stabilization scenario where total radiative forcing is stabilized before 2100 by employing a range of technologies and strategies for reducing greenhouse gas emissions. Corteva uses this scenario to understand the physical risks associated with a future where significant measures are taken to reduce emissions. The scenario helps Corteva to plan for potential changes in agricultural conditions and to develop products and strategies that are resilient to these changes.*

**Water****(5.1.1.1) Scenario used****Physical climate scenarios**

- RCP 4.5

**(5.1.1.2) Scenario used    SSPs used in conjunction with scenario**

RESTRICTED

Select from:

- SSP2

### (5.1.1.3) Approach to scenario

Select from:

- Qualitative and quantitative

### (5.1.1.4) Scenario coverage

Select from:

- Organization-wide

### (5.1.1.5) Risk types considered in scenario

Select all that apply

- Acute physical
- Chronic physical

### (5.1.1.6) Temperature alignment of scenario

Select from:

- 4.0°C and above

### (5.1.1.7) Reference year

2023

### (5.1.1.8) Timeframes covered

Select all that apply

- 2030
- 2040
- 2050
- 2100

### (5.1.1.9) Driving forces in scenario

#### Local ecosystem asset interactions, dependencies and impacts

- Climate change (one of five drivers of nature change)

### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*In the RCP 4.5 scenario, emissions peak around 2040 and then decline due to moderate international cooperation on climate policies. This leads to a moderate impact on water resources. Assumptions include improved water management practices, such as enhanced irrigation efficiency and wastewater treatment. The scenario anticipates steady economic growth, emphasizing sustainable development and balance between environmental and economic objectives. However, uncertainties exist regarding the global implementation and effectiveness of these policies and the pace of technological advancements in water management. The climate system's sensitivity to changes in greenhouse gas concentrations adds to the unpredictability of water availability, as future precipitation patterns and evaporation rates remain uncertain. Constraints include limited financial and human resources for implementing advanced technologies, potential geopolitical tensions that could impede international collaboration, and the need for significant investment in existing water infrastructure to adapt to changes.*

### (5.1.1.11) Rationale for choice of scenario

*The RCP 4.5 scenario represents a stabilization pathway where emissions peak around 2040 and then decline, leading to moderate climate changes. It anticipates global efforts to reduce greenhouse gas emissions, which result in a less severe impact on water resources compared to high-emission scenarios. In this scenario, water-related risks include moderate changes in precipitation patterns, affecting water availability and quality, as well as agricultural practices.*

## Climate change

### (5.1.1.1) Scenario used

#### Physical climate scenarios

- RCP 8.5

### (5.1.1.2) Scenario used SSPs used in conjunction with scenario

Select from:

- SSP2

### (5.1.1.3) Approach to scenario

RESTRICTED

Select from:

- Qualitative and quantitative

#### (5.1.1.4) Scenario coverage

Select from:

- Organization-wide

#### (5.1.1.5) Risk types considered in scenario

Select all that apply

- Acute physical
- Chronic physical

#### (5.1.1.6) Temperature alignment of scenario

Select from:

- 4.0°C and above

#### (5.1.1.7) Reference year

2023

#### (5.1.1.8) Timeframes covered

Select all that apply

- 2030
- 2040
- 2050
- 2100

#### (5.1.1.9) Driving forces in scenario

**Local ecosystem asset interactions, dependencies and impacts**

- Climate change (one of five drivers of nature change)

**(5.1.1.10) Assumptions, uncertainties and constraints in scenario**

*The RCP 8.5 scenario assumes a high-emission pathway with minimal efforts to mitigate greenhouse gas emissions. It predicts continued reliance on fossil fuels, leading to rapid economic and population growth without significant policy changes to reduce emissions. Technological advancements in energy efficiency and renewable energy are limited, and land use changes are minimal, with deforestation continuing at current rates. Population growth is high, further increasing emissions. Uncertainties include the extent of fossil fuel use, economic growth patterns, technological development, and natural system responses. Constraints involve the feasibility of shifting away from fossil fuels, global cooperation, resource availability, and the potential for severe environmental and social impacts. This scenario covers the period from the present day to 2100, projecting significant increases in greenhouse gas concentrations and associated climate impacts by the end of the century.*

**(5.1.1.11) Rationale for choice of scenario**

*This scenario is characterized by increasing greenhouse gas emissions over time, representative of scenarios that lead to high greenhouse gas concentration levels. Corteva uses this scenario to understand the physical risks associated with a future where little to no action is taken to reduce emissions. The scenario helps Corteva to plan for potential changes in agricultural conditions and to develop products and strategies that are resilient to these changes.*

**Climate change****(5.1.1.1) Scenario used****Climate transition scenarios**

Customized publicly available climate transition scenario, please specify :Innovation Scenario - Created with WBCSD (ClimateScenarioCatalogue.org)

**(5.1.1.3) Approach to scenario**

Select from:

Qualitative and quantitative

**(5.1.1.4) Scenario coverage**

Select from:

Organization-wide

**(5.1.1.5) Risk types considered in scenario**

Select all that apply

Policy

RESTRICTED

- Market
- Technology

#### (5.1.1.6) Temperature alignment of scenario

Select from:

- 1.5°C or lower

#### (5.1.1.7) Reference year

2022

#### (5.1.1.8) Timeframes covered

Select all that apply

- 2030
- 2040
- 2050

#### (5.1.1.9) Driving forces in scenario

**Local ecosystem asset interactions, dependencies and impacts**

- Climate change (one of five drivers of nature change)

#### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*The Innovation Scenario focuses on technological breakthroughs and rapid advancements in sustainable practices, driven by increased research and development investments. Assumptions center on significant technological innovations in renewable energy, carbon capture, and energy efficiency, supported by proactive leadership from the private sector. This scenario emphasizes the role of cutting-edge technologies in achieving ambitious climate goals, potentially limiting global warming to 1.5C. Uncertainties in this scenario include the pace and scale of technological breakthroughs, market dynamics regarding acceptance and demand for new technologies, and the potential for disruptive technologies to reshape industries. Constraints involve high initial capital requirements for developing and scaling new technologies, skill gaps in emerging technologies, and the need for regulatory frameworks to adapt to new business models. Despite these challenges, the scenario highlights opportunities for businesses that embrace innovation to gain competitive advantages and drive industry transformation.*

#### (5.1.1.11) Rationale for choice of scenario

## RESTRICTED

*In 2022, Corteva worked alongside the World Business Council for Sustainable Development (WBCSD) and 13 other leading Food, Agriculture, and Forest Products companies to develop a set of new climate transition scenarios for their sector. These scenarios are more specific to the agriculture sector and provide guidance on ensuring industry-aligned scenario analysis. They are publicly available at [climatescenariocatalogue.org](https://climatescenariocatalogue.org)*

*1.5C Innovation Scenario: Under the 1.5C Innovation Scenario, large demands from the energy system for BECCS2, coupled with greater-than-historic yield growth in agriculture and government support for R&D, enables early decarbonization and limited physical impacts of climate change. This scenario has high levels of transition risk, but may be muted by technological progress.*

## Climate change

### (5.1.1.1) Scenario used

#### Climate transition scenarios

Customized publicly available climate transition scenario, please specify :Coordinated Policy Scenario, created with WBCSD ([ClimateScenarioCatalogue.org](https://ClimateScenarioCatalogue.org))

### (5.1.1.3) Approach to scenario

Select from:

Qualitative and quantitative

### (5.1.1.4) Scenario coverage

Select from:

Organization-wide

### (5.1.1.5) Risk types considered in scenario

Select all that apply

Policy

Market

Technology

### (5.1.1.6) Temperature alignment of scenario

Select from:

1.6°C - 1.9°C



**(5.1.1.7) Reference year**

2022

**(5.1.1.8) Timeframes covered***Select all that apply*

- 2030
- 2040
- 2050

**(5.1.1.9) Driving forces in scenario****Local ecosystem asset interactions, dependencies and impacts**

- Climate change (one of five drivers of nature change)

**(5.1.1.10) Assumptions, uncertainties and constraints in scenario**

*The Coordinated Policy Scenario envisions a future characterized by international collaboration and alignment of climate policies to achieve targets consistent with the Paris Agreement. Assumptions include the implementation of comprehensive regulatory measures, such as carbon pricing and emissions trading, coupled with shifts in consumer and business behaviors towards sustainable practices. This scenario anticipates global policy alignment to drive significant emissions reductions and stabilize global temperatures. However, uncertainties remain about the effectiveness and timeliness of policy implementation across different regions and the economic impact of transitioning to a low-carbon economy. This includes potential job losses in fossil fuel industries. The constraints in this scenario include political resistance, lack of consensus among stakeholders, challenges in transitioning existing infrastructure, and ensuring equitable distribution of costs and benefits, especially for developing countries and vulnerable populations.*

**(5.1.1.11) Rationale for choice of scenario**

*In 2022, Corteva worked alongside the World Business Council for Sustainable Development (WBCSD) and 13 other leading Food, Agriculture, and Forest Products companies to develop a set of new climate transition scenarios for their sector. These scenarios are more specific to the agriculture sector and provide guidance on ensuring industry-aligned scenario analysis. They are publicly available at [climatescenariocatalogue.org](https://www.climate-scenarios.org)*

**Climate change****(5.1.1.1) Scenario used**

RESTRICTED

**Climate transition scenarios**

Customized publicly available climate transition scenario, please specify :Historic Trends Scenario - Created with WBCSD (ClimateScenarioCatalogue.org)

**(5.1.1.3) Approach to scenario**

Select from:

Qualitative and quantitative

**(5.1.1.4) Scenario coverage**

Select from:

Organization-wide

**(5.1.1.5) Risk types considered in scenario**

Select all that apply

Policy

Market

Technology

**(5.1.1.6) Temperature alignment of scenario**

Select from:

3.0°C - 3.4°C

**(5.1.1.7) Reference year**

2022

**(5.1.1.8) Timeframes covered**

Select all that apply

2030

2040

2050

**(5.1.1.9) Driving forces in scenario****Local ecosystem asset interactions, dependencies and impacts**

- Climate change (one of five drivers of nature change)

**(5.1.1.10) Assumptions, uncertainties and constraints in scenario**

*The Historic Trends Scenario assumes a continuation of current policies, economic growth, and technological development without significant changes or breakthroughs. It reflects a "business-as-usual" approach where global greenhouse gas emissions continue to rise due to sustained industrialization and urbanization. Key assumptions include steady economic growth driven by current industrial practices and gradual technological improvements at the existing pace. Uncertainties in this scenario revolve around climate variability, societal responses to escalating climate impacts, and the availability of natural resources, which can be affected by geopolitical tensions. Constraints are primarily regulatory, financial, and technological. Regulatory barriers may limit rapid changes in climate action, while financial resources might be insufficient to invest in significant mitigation and adaptation measures. Additionally, technological limitations hinder the ability to achieve substantial emissions reductions, posing challenges for long-term sustainability.*

**(5.1.1.11) Rationale for choice of scenario**

*In 2022, Corteva worked alongside the World Business Council for Sustainable Development (WBCSD) and 13 other leading Food, Agriculture, and Forest Products companies to develop a set of new climate transition scenarios for their sector. These scenarios are more specific to the agriculture sector and provide guidance on ensuring industry-aligned scenario analysis. They are publicly available at [climatescenariocatalogue.org](https://climatescenariocatalogue.org) 3C Historic Trends Scenario: The 3C Historic Trends Scenario represents a scenario in which climate action remains stable at current levels creating limited transition risks, but the world fails to limit global warming to manageable levels, resulting in substantial future physical risks. This scenario has low levels of transition risk.*

**Water****(5.1.1.1) Scenario used****Physical climate scenarios**

- RCP 8.5

**(5.1.1.2) Scenario used SSPs used in conjunction with scenario**

Select from:

- SSP2

RESTRICTED

### (5.1.1.3) Approach to scenario

Select from:

- Qualitative and quantitative

### (5.1.1.4) Scenario coverage

Select from:

- Organization-wide

### (5.1.1.5) Risk types considered in scenario

Select all that apply

- Policy
- Market
- Technology

### (5.1.1.6) Temperature alignment of scenario

Select from:

- 4.0°C and above

### (5.1.1.7) Reference year

2023

### (5.1.1.8) Timeframes covered

Select all that apply

- 2030
- 2040
- 2050
- 2100

### (5.1.1.9) Driving forces in scenario

RESTRICTED

## Local ecosystem asset interactions, dependencies and impacts

Climate change (one of five drivers of nature change)

### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*The RCP 8.5 scenario represents a high-emission pathway where little action is taken to curb greenhouse gas emissions, resulting in significant climate impacts on water resources. Assumptions include continued reliance on fossil fuels and limited progress in adopting renewable energy sources, prioritizing economic growth at the expense of environmental sustainability. This scenario anticipates minimal technological progress in water management and slow adoption of sustainable practices. Uncertainties are substantial, particularly regarding the frequency and severity of extreme weather events, such as droughts and floods, which can impact water systems and availability. There is also uncertainty about the effects of increased evaporation rates and changes in precipitation on regional water supplies. Constraints involve existing infrastructure vulnerabilities that may not withstand extreme climate events, regulatory barriers that hinder effective responses to emerging water-related challenges, and societal impacts that exacerbate disparities in water access and quality, affecting vulnerable populations disproportionately.*

### (5.1.1.11) Rationale for choice of scenario

*The RCP 8.5 scenario represents a high-emissions pathway where little to no action is taken to reduce greenhouse gas emissions, leading to severe climate changes by 2100. This scenario projects significant impacts on water resources, including increased frequency and intensity of extreme weather events, changes in precipitation patterns, and heightened water scarcity issues.*

## Water

### (5.1.1.1) Scenario used

#### Climate transition scenarios

Customized publicly available climate transition scenario, please specify :WBCSD Scenarios tailored to agriculture sector - Technology, Coordinated Policy, and Historic Trends

### (5.1.1.3) Approach to scenario

Select from:

Qualitative and quantitative

### (5.1.1.4) Scenario coverage

Select from:

RESTRICTED

Organization-wide

#### (5.1.1.5) Risk types considered in scenario

Select all that apply

Policy

Market

Technology

#### (5.1.1.7) Reference year

2022

#### (5.1.1.8) Timeframes covered

Select all that apply

2030

2040

2050

#### (5.1.1.9) Driving forces in scenario

**Local ecosystem asset interactions, dependencies and impacts**

Climate change (one of five drivers of nature change)

#### (5.1.1.10) Assumptions, uncertainties and constraints in scenario

*In the WBCSD Historic Trends Scenario, water-related issues follow current trajectories without major policy or technological changes, with assumptions of steady economic growth driven by existing industrial practices. Technological advancements are gradual, and uncertainties include natural climate variability, population growth, and unforeseen regulatory changes. Constraints are financial limitations, geopolitical tensions, and technological adoption challenges. The Coordinated Policy Scenario envisions global collaboration, with assumptions of policy alignment, reduced water stress, and technological adoption, but uncertainties about policy effectiveness and economic impacts persist. Constraints include political resistance, infrastructure transition challenges, and equitable access. The Innovation Scenario focuses on technological breakthroughs, assuming advancements in water-saving technologies and private sector leadership, but faces uncertainties in adoption rates and market dynamics. Constraints include high capital requirements, skill gaps, and regulatory adaptation needs.*

**(5.1.1.11) Rationale for choice of scenario**

*The Innovation Scenario emphasizes the role of technological advancements and breakthroughs in addressing water-related challenges. It envisions a future where innovation drives significant improvements in water management, leading to reduced water stress and increased resilience to climate impacts. The Coordinated Policy Scenario envisions comprehensive and aligned global efforts to address water-related issues. It assumes strong international cooperation, leading to improved water management practices, reduced water stress, and enhanced resilience to climate impacts. In the Historic Trends Scenario, water-related issues continue along current trajectories without significant policy or technological changes. This scenario envisions ongoing challenges such as water scarcity, quality issues, and the impacts of climate variability on water resources.*

[Add row]

**(5.1.2) Provide details of the outcomes of your organization's scenario analysis.****Climate change****(5.1.2.1) Business processes influenced by your analysis of the reported scenarios**

Select all that apply

- Risk and opportunities identification, assessment and management
- Strategy and financial planning
- Resilience of business model and strategy

**(5.1.2.2) Coverage of analysis**

Select from:

- Organization-wide

**(5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues**

*Corteva's scenario analysis for climate change identifies several strategic opportunities to enhance its resilience and reduce environmental impact. The analysis highlights the potential to leverage renewable energy and energy-efficient technologies to achieve greenhouse gas (GHG) reduction targets, enhancing operational efficiency and sustainability. Opportunities also exist in developing climate-resilient products, such as advanced seed technologies and crop protection solutions that reduce emissions and support sustainable agriculture. Corteva is actively exploring partnerships and tools to enable climate-positive practices, offering solutions like carbon credits to farmers who adopt sustainable practices. These initiatives support the company's commitment to reducing its carbon footprint while enabling a more resilient agriculture value chain. Additionally, integrating data analytics and decision science within R&D supports climate adaptation by providing insights into climate impacts and enabling precise agricultural practices. These actions ensure Corteva remains adaptable to climate-related risks and captures opportunities in sustainable innovation, reinforcing its business model and long-term strategy.*

**Water**

**(5.1.2.1) Business processes influenced by your analysis of the reported scenarios**

Select all that apply

- Risk and opportunities identification, assessment and management
- Strategy and financial planning
- Resilience of business model and strategy

**(5.1.2.2) Coverage of analysis**

Select from:

- Organization-wide

**(5.1.2.3) Summarize the outcomes of the scenario analysis and any implications for other environmental issues**

*The scenario analysis for water has identified several opportunities for Corteva to enhance water management and sustainability across its operations and value chain. A key opportunity is improving water efficiency and recycling through advanced technologies. This includes investments in precision irrigation systems and water-saving practices that optimize water use and reduce waste. By prioritizing these technologies, Corteva can mitigate risks associated with water scarcity and ensure the sustainability of its operations. These actions align with strategic objectives to improve resource management and support resilient agricultural practices. Additionally, the analysis underscores the importance of collaborating with stakeholders to enhance water stewardship and address potential regulatory changes. Corteva's commitment to sustainable water management not only mitigates risks but also supports long-term growth and resilience in its agricultural operations.*

[Fixed row]

**(5.2) Does your organization's strategy include a climate transition plan?**

	Transition plan
	<p>Select from:</p> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> No and we do not plan to develop a climate transition plan within the next two years</li> </ul>



RESTRICTED

[Fixed row]

### **(5.3) Have environmental risks and opportunities affected your strategy and/or financial planning?**

#### **(5.3.1) Environmental risks and/or opportunities have affected your strategy and/or financial planning**

Select from:

- Yes, both strategy and financial planning

#### **(5.3.2) Business areas where environmental risks and/or opportunities have affected your strategy**

Select all that apply

- Products and services
- Upstream/downstream value chain
- Investment in R&D
- Operations

[Fixed row]

### **(5.3.1) Describe where and how environmental risks and opportunities have affected your strategy.**

#### **Products and services**

##### **(5.3.1.1) Effect type**

Select all that apply

- Risks
- Opportunities

##### **(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area**

Select all that apply

- Climate change
- Water

**(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area**

*Corteva recognizes that climate change is driving shifts in weather patterns, leading to more frequent and severe weather events such as droughts, floods, and heatwaves. These changes present significant challenges for farmers, who are our primary customers. To address these challenges, we are investing in the development of climate-resilient seeds and crop protection products that can help farmers maintain productivity under changing climate conditions. Corteva has made significant strides in expanding our product portfolio through strategic acquisitions. In 2023 we acquired Symborg, a leader in microbiological technologies, and Stoller, a leader in the biologicals space for over 50 years. These acquisitions position Corteva as a world-class biologicals business and continue our commitment to building a differentiated and sustainably advantaged product portfolio for our customers. Furthermore, we announced a first-of-its-kind collaboration agreement with BASF and MS Technologies for a trait licensing agreement to develop next-generation Enlist E3 soybeans with the nematode-resistant soybean (NRS) trait for farmers in the United States and Canada. The new NRS trait is expected to provide unprecedented protection against nematode pests in soybeans, including soybean cyst nematode. These strategic moves are a direct response to the opportunities presented by climate change. By developing and acquiring innovative, climate-resilient, and sustainable products, we are not only helping farmers adapt to climate change but also positioning Corteva to seize new market opportunities. This strategy is aligned with our commitment to sustainability and our goal of enriching the lives of those who produce and those who consume, ensuring progress for generations to come.*

**Upstream/downstream value chain****(5.3.1.1) Effect type**

Select all that apply

- Risks
- Opportunities

**(5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area**

Select all that apply

- Climate change
- Water

**(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area**

*Corteva recognizes the importance of a resilient and sustainable supply chain in adapting to climate-related risks and seizing opportunities. Climate change has the potential to disrupt our supply chain, particularly in terms of the availability and cost of raw materials and the logistics of transporting our products. To address this, we have implemented a robust supply chain management strategy that includes diversifying our supplier base, investing in sustainable sourcing practices, and enhancing our logistics and distribution capabilities. For instance, we are working to reduce our dependence on single-source suppliers, particularly for key raw materials that are vulnerable to climate-related risks. We are also collaborating with our suppliers to promote sustainable farming practices, which can enhance the resilience of our raw material supply while also reducing GHG emissions. Furthermore, we are investing in advanced logistics solutions to optimize our distribution network and minimize the carbon footprint of our product transportation. These strategic actions not only help us manage climate-related risks but also create opportunities for cost savings and operational efficiency.*

### (5.3.1.1) Effect type

Select all that apply

- Risks
- Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

- Climate change
- Water

### (5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area

*Corteva's R&D strategy is influenced by climate-related risks and opportunities. We are investing significantly in the development of innovative products and solutions that can help farmers adapt to climate change and contribute to GHG emissions reduction. This includes climate-resilient seeds that can withstand extreme weather conditions, precision agriculture technologies that optimize resource use, and sustainable crop protection products that minimize environmental impact. For example, we are leveraging our advanced breeding and biotechnology capabilities to develop new seed varieties that are more tolerant to drought, heat, and pests. We are also exploring novel approaches to carbon sequestration in agricultural soils, which could provide a new revenue stream for farmers while also helping to mitigate climate change. These R&D investments are not only creating new growth opportunities for Corteva but also positioning us as a leader in sustainable agriculture.*

## Operations

### (5.3.1.1) Effect type

Select all that apply

- Risks
- Opportunities

### (5.3.1.2) Environmental issues relevant to the risks and/or opportunities that have affected your strategy in this area

Select all that apply

- Climate change
- Water

**(5.3.1.3) Describe how environmental risks and/or opportunities have affected your strategy in this area**

*Climate-related risks and opportunities have a significant influence on Corteva's operational strategy. We are committed to reducing the carbon footprint of our operations and improving our resource efficiency. This includes efforts to reduce our energy use, increase our use of renewable energy, minimize our waste generation, and optimize our water use. For example, we have set ambitious targets to reduce our GHG emissions intensity and are implementing various energy efficiency, renewable energy, and other programs to achieve these targets. We are also investing in advanced manufacturing technologies and processes that can reduce our waste and water footprint. In addition, we are enhancing our operational resilience to physical climate risks, such as extreme weather events and water scarcity. These operational improvements not only help us move toward mitigating climate-related risks, but also generate cost savings and enhance our competitiveness.*

[Add row]

**(5.3.2) Describe where and how environmental risks and opportunities have affected your financial planning.****Row 1****(5.3.2.1) Financial planning elements that have been affected**

Select all that apply

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Assets         | <input checked="" type="checkbox"/> Access to capital            |
| <input checked="" type="checkbox"/> Revenues       | <input checked="" type="checkbox"/> Capital allocation           |
| <input checked="" type="checkbox"/> Liabilities    | <input checked="" type="checkbox"/> Capital expenditures         |
| <input checked="" type="checkbox"/> Direct costs   | <input checked="" type="checkbox"/> Acquisitions and divestments |
| <input checked="" type="checkbox"/> Indirect costs |  |

**(5.3.2.2) Effect type**

Select all that apply

- Risks
- Opportunities

**(5.3.2.3) Environmental issues relevant to the risks and/or opportunities that have affected these financial planning elements**

Select all that apply

- Climate change
- Water

**(5.3.2.4) Describe how environmental risks and/or opportunities have affected these financial planning elements**

*Corteva's financial planning is deeply integrated with our climate strategy, aiming to drive business growth while enhancing climate resilience and sustainability. Our capital deployment focuses on strategic acquisitions like Symborg and Stoller, which align with our sustainability goals and address climate-related challenges. Investments in R&D are prioritized to develop innovations such as climate-resilient seeds and crop chemistries that lower carbon footprints. These efforts help manage transition risks and capitalize on the demand for sustainable products. Financial planning also includes investments in risk assessment tools, climate-adaptive practices, and insurance coverage for climate-related damages. Revenue growth projections consider our innovative products, like nitrogen stabilizers, that optimize nitrogen use efficiency, reducing greenhouse gas emissions and supporting sustainable farming. The Corteva Carbon Program further exemplifies this by offering farmers revenue opportunities through climate-smart practices that sequester carbon, reflecting the rising demand for carbon credits. Climate scenario impacts are integrated into financial planning to address potential operational costs, supply chain disruptions, and market demand shifts. By incorporating these considerations, we aim to bolster our resilience to climate risks and ensure revenue sustainability amid a changing climate. We also consider climate impacts on key stakeholders, including farmers, consumers, employees, and investors. Variable weather patterns challenge the agricultural sector, affecting crop yields and market dynamics. Our stakeholders expect resilience and adaptability, and our ability to provide climate-resilient solutions is crucial. Farmers rely on us for sustainable farming solutions, consumers expect high-quality, sustainably produced products, employees seek stability, and investors demand effective climate risk management for long-term value. Therefore, our financial planning extends beyond numbers; it is about building stakeholder trust in our ability to navigate climate challenges and seize opportunities. We demonstrate a commitment to sustainable growth for our company, stakeholders, and the planet by proactively addressing climate change complexities.*

[Add row]

**(5.4) In your organization's financial accounting, do you identify spending/revenue that is aligned with your organization's climate transition?**

	Identification of spending/revenue that is aligned with your organization's climate transition
	Select from: <input checked="" type="checkbox"/> No, and we do not plan to in the next two years

[Fixed row]

**(5.9) What is the trend in your organization's water-related capital expenditure (CAPEX) and operating expenditure (OPEX) for the reporting year, and the anticipated trend for the next reporting year?**

**(5.9.1) Water-related CAPEX (+/- % change)**

**(5.9.2) Anticipated forward trend for CAPEX (+/- % change)**

6

**(5.9.3) Water-related OPEX (+/- % change)**

0

**(5.9.4) Anticipated forward trend for OPEX (+/- % change)**

0

**(5.9.5) Please explain**

*Corteva's capital expenditures were 595 million in 2023 605 million in 2022 and 573 million in 2021 with an estimated projection of 630 million for 2024. As an agrichemical manufacturer our CAPEX and OPEX emphasize operational efficiency and water stewardship driven by ongoing investments in infrastructure to improve water efficiency and pollution control. These investments align with our sustainability objectives and regulatory requirements.*

[Fixed row]

**(5.10) Does your organization use an internal price on environmental externalities?**

	Use of internal pricing of environmental externalities	Environmental externality priced
	Select from: <input checked="" type="checkbox"/> Yes	Select all that apply <input checked="" type="checkbox"/> Carbon

[Fixed row]

**(5.10.1) Provide details of your organization's internal price on carbon.**

**Row 1**

**(5.10.1.1) Type of pricing scheme**

Select from:

- Shadow price

**(5.10.1.2) Objectives for implementing internal price**

Select all that apply

- Drive energy efficiency
- Stress test investments
- Drive low-carbon investment
- Identify and seize low-carbon opportunities
- Influence strategy and/or financial planning
- Setting and/or achieving of climate-related policies and targets
- Incentivize consideration of climate-related issues in decision making

**(5.10.1.3) Factors considered when determining the price**

Select all that apply

- Scenario analysis
- Benchmarking against peers
- Existing or pending legislation
- Alignment with the price of a carbon tax
- Price/cost of renewable energy procurement
- Cost of required measures to achieve climate-related targets
- Alignment with the price of allowances under an Emissions Trading Scheme

**(5.10.1.4) Calculation methodology and assumptions made in determining the price**

*Our internal carbon price was determined based on external market data, including projected carbon pricing trajectories and industry benchmarks. We considered factors such as the anticipated cost of carbon and the potential future regulatory landscape.*

**(5.10.1.5) Scopes covered**

Select all that apply

- Scope 1
- Scope 2

RESTRICTED

#### (5.10.1.6) Pricing approach used – spatial variance

Select from:

Uniform

#### (5.10.1.8) Pricing approach used – temporal variance

Select from:

Static

#### (5.10.1.12) Business decision-making processes the internal price is applied to

Select all that apply

Capital expenditure

Risk management

#### (5.10.1.13) Internal price is mandatory within business decision-making processes

Select from:

Yes, for some decision-making processes, please specify :Capital expenditures and risk management

#### (5.10.1.14) % total emissions in the reporting year in selected scopes this internal price covers

2

#### (5.10.1.15) Pricing approach is monitored and evaluated to achieve objectives

Select from:

Yes

#### (5.10.1.16) Details of how the pricing approach is monitored and evaluated to achieve your objectives

*We are currently in the first year of implementing our internal carbon pricing mechanism. Throughout this initial phase, Corteva is focusing on establishing a baseline to measure its effectiveness in driving climate initiatives. Going forward, we will monitor the price's impact on decision-making processes such as capital expenditures, risk management, and adjust the pricing mechanism based on outcomes.*

[Add row]



**(5.11) Do you engage with your value chain on environmental issues?**

	Engaging with this stakeholder on environmental issues	Environmental issues covered
Suppliers	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>Select all that apply</i> <input checked="" type="checkbox"/> Climate change <input checked="" type="checkbox"/> Water
Customers	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>Select all that apply</i> <input checked="" type="checkbox"/> Climate change <input checked="" type="checkbox"/> Water
Investors and shareholders	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>Select all that apply</i> <input checked="" type="checkbox"/> Climate change <input checked="" type="checkbox"/> Water
Other value chain stakeholders	<i>Select from:</i> <input checked="" type="checkbox"/> Yes	<i>Select all that apply</i> <input checked="" type="checkbox"/> Climate change <input checked="" type="checkbox"/> Water

[Fixed row]

**(5.11.1) Does your organization assess and classify suppliers according to their dependencies and/or impacts on the environment?**

**Climate change**

**(5.11.1.1) Assessment of supplier dependencies and/or impacts on the environment**

*Select from:*

- Yes, we assess the dependencies and/or impacts of our suppliers

RESTRICTED

**(5.11.1.2) Criteria for assessing supplier dependencies and/or impacts on the environment**

Select all that apply

Other, please specify :We are applying activity and spend based emission factors to our purchases.

**(5.11.1.3) % Tier 1 suppliers assessed**

Select from:

76-99%

**(5.11.1.5) % Tier 1 suppliers meeting the thresholds for substantive dependencies and/or impacts on the environment**

Select from:

Unknown

**Water**

**(5.11.1.1) Assessment of supplier dependencies and/or impacts on the environment**

Select from:

No, we do not assess the dependencies and/or impacts of our suppliers, and have no plans to do so within two years

[Fixed row]

**(5.11.2) Does your organization prioritize which suppliers to engage with on environmental issues?**

**Climate change**

**(5.11.2.1) Supplier engagement prioritization on this environmental issue**

Select from:

Yes, we prioritize which suppliers to engage with on this environmental issue

**(5.11.2.2) Criteria informing which suppliers are prioritized for engagement on this environmental issue**

Select all that apply

RESTRICTED

- Material sourcing
- Procurement spend
- Product lifecycle

## Water

### (5.11.2.1) Supplier engagement prioritization on this environmental issue

Select from:

- No, we do not prioritize which suppliers to engage with on this environmental issue

### (5.11.2.3) Primary reason for no supplier prioritization on this environmental issue

Select from:

- No standardized procedure

[Fixed row]

### (5.11.5) Do your suppliers have to meet environmental requirements as part of your organization's purchasing process?

	Suppliers have to meet specific environmental requirements related to this environmental issue as part of the purchasing process	Policy in place for addressing supplier non-compliance
Climate change	Select from: <input checked="" type="checkbox"/> No, but we plan to introduce environmental requirements related to this environmental issue within the next two years	Select from: <input checked="" type="checkbox"/> No, we do not have a policy in place for addressing non-compliance
Water	Select from: <input checked="" type="checkbox"/> No, and we do not plan to introduce environmental requirements related to this environmental issue within the next two years	Select from: <input checked="" type="checkbox"/> No, we do not have a policy in place for addressing non-compliance

[Fixed row]

RESTRICTED

**(5.11.7) Provide further details of your organization's supplier engagement on environmental issues.**

**Climate change**

**(5.11.7.2) Action driven by supplier engagement**

*Select from:*

- Other, please specify :Supplier assessments and/or audits

**(5.11.7.3) Type and details of engagement**

**Information collection**

- Other information collection activity, please specify :Assessed supplier scores and responses of a three year life cycle (Eco Vadis). Assessment methodology is built on international standards, including the Global Reporting Initiative (GRI), UNGC, Responsible Care® principles and ISO26000.

**Innovation and collaboration**

- Collaborate with suppliers on innovative business models and corporate renewable energy sourcing mechanisms
- Invest jointly with suppliers in R&D of relevant low-carbon technologies

**(5.11.7.4) Upstream value chain coverage**

*Select all that apply*

- Tier 1 suppliers

**(5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement**

*Select from:*

- Unknown

**(5.11.7.6) % of tier 1 supplier-related scope 3 emissions covered by engagement**

*Select from:*

- Unknown

**(5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action**

RESTRICTED

*Corteva actively engages with its suppliers to drive environmental action, demonstrating a commitment to sustainability across our value chain. Our supplier engagement initiatives include setting clear environmental standards, offering training on sustainable practices, and collaborating on joint projects to reduce greenhouse gas emissions, water use, and waste. We gather and analyze environmental data from suppliers to better understand their impacts, which helps us assess risks and opportunities while encouraging transparency and accountability.*

**(5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action**

Select from:

- Unknown

**Water**

**(5.11.7.2) Action driven by supplier engagement**

Select from:

- Other, please specify :Supplier assessments and/or audits

**(5.11.7.3) Type and details of engagement**

**Information collection**

- Other information collection activity, please specify :Assessed supplier scores and responses of a three year life cycle (Eco Vadis). Assessment methodology is built on international standards, including the Global Reporting Initiative (GRI), UNGC, Responsible Care® principles and ISO26000.

**(5.11.7.4) Upstream value chain coverage**

Select all that apply

- Tier 1 suppliers

**(5.11.7.5) % of tier 1 suppliers by procurement spend covered by engagement**

Select from:

- Unknown

**(5.11.7.7) % tier 1 suppliers with substantive impacts and/or dependencies related to this environmental issue covered by engagement**

Select from:

RESTRICTED

Unknown

#### (5.11.7.9) Describe the engagement and explain the effect of your engagement on the selected environmental action

*Corteva actively engages with its suppliers to drive environmental action, demonstrating a commitment to sustainability across our value chain. Our supplier engagement initiatives include setting clear environmental standards, offering training on sustainable practices, and collaborating on joint projects to reduce greenhouse gas emissions, water use, and waste. We gather and analyze environmental data from suppliers to better understand their impacts, which helps us assess risks and opportunities while encouraging transparency and accountability.*

#### (5.11.7.11) Engagement is helping your tier 1 suppliers engage with their own suppliers on the selected action

Select from:

Unknown

[Add row]

#### (5.11.9) Provide details of any environmental engagement activity with other stakeholders in the value chain.

##### Climate change

#### (5.11.9.1) Type of stakeholder

Select from:

Other value chain stakeholder, please specify :Suppliers

#### (5.11.9.2) Type and details of engagement

##### Education/Information sharing

Other education/information sharing, please specify :Enhanced Scope 3 Accounting Practices

#### (5.11.9.3) % of stakeholder type engaged

Select from:

76-99%

#### (5.11.9.4) % stakeholder-associated scope 3 emissions

RESTRICTED

Select from:

76-99%

#### (5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

*We have refined our greenhouse gas (GHG) accounting to enhance precision in emissions tracking, focusing on activity-based methods for our top crop protection suppliers and contracted seed acres to expand our sustainability metrics.*

#### (5.11.9.6) Effect of engagement and measures of success

*Adopting activity-based GHG accounting has provided more accurate insights into our carbon footprint, underscoring our commitment to comprehensive sustainability.*

### Water

#### (5.11.9.1) Type of stakeholder

Select from:

Investors and shareholders

#### (5.11.9.2) Type and details of engagement

##### Education/Information sharing

Share information on environmental initiatives, progress and achievements

#### (5.11.9.3) % of stakeholder type engaged

Select from:

76-99%

#### (5.11.9.5) Rationale for engaging these stakeholders and scope of engagement

*We engaged investors with an update on our R&D pipeline, emphasizing the outlook for our portfolio of sustainable solutions through 2035.*

#### (5.11.9.6) Effect of engagement and measures of success

*Dialogue with investors has underscored the importance of transparency and quantification of benefits of our sustainable innovations, like the launch of Reklemel active.*

RESTRICTED

[Add row]

**(5.13) Has your organization already implemented any mutually beneficial environmental initiatives due to CDP Supply Chain member engagement?**

	Environmental initiatives implemented due to CDP Supply Chain member engagement	Primary reason for not implementing environmental initiatives
	<i>Select from:</i> <input checked="" type="checkbox"/> No, and we do not plan to within the next two years	<i>Select from:</i> <input checked="" type="checkbox"/> No standardized procedure

[Fixed row]



## C6. Environmental Performance - Consolidation Approach

(6.1) Provide details on your chosen consolidation approach for the calculation of environmental performance data.

### Climate change

#### (6.1.1) Consolidation approach used

Select from:

Operational control

#### (6.1.2) Provide the rationale for the choice of consolidation approach

*Corteva does not include sites that fall outside our definition of Operational Control, defined as sites over which Corteva has greater than 50% Operational Control. Corteva excludes most office and administrative buildings (aside from our global business centers) and dedicated warehouses (with no additional onsite operations) as they are immaterial for our total GHG footprint.*

### Water

#### (6.1.1) Consolidation approach used

Select from:

Operational control

#### (6.1.2) Provide the rationale for the choice of consolidation approach

*Corteva does not include sites that fall outside our definition of Operational Control, defined as sites over which Corteva has greater than 50% Operational Control. Corteva also excludes office buildings and warehouses (aside from our global business centers and dedicated warehouses) as these are deemed not to be material for our total water footprint.*

### Plastics

#### (6.1.1) Consolidation approach used

RESTRICTED

Select from:

Operational control

### (6.1.2) Provide the rationale for the choice of consolidation approach

*Corteva does not have a definition for consolidation approach for plastics-related data.*

## Biodiversity

### (6.1.1) Consolidation approach used

Select from:

Operational control

### (6.1.2) Provide the rationale for the choice of consolidation approach

*Corteva does not have a definition for consolidation approach for biodiversity-related data.*

*[Fixed row]*

## C7. Environmental performance - Climate Change

### (7.1) Is this your first year of reporting emissions data to CDP?

Select from:

No

#### (7.1.1) Has your organization undergone any structural changes in the reporting year, or are any previous structural changes being accounted for in this disclosure of emissions data?

	Has there been a structural change?
	Select all that apply <input checked="" type="checkbox"/> No

[Fixed row]

#### (7.1.2) Has your emissions accounting methodology, boundary, and/or reporting year definition changed in the reporting year?

##### (7.1.2.1) Change(s) in methodology, boundary, and/or reporting year definition?

Select all that apply

Yes, a change in methodology

##### (7.1.2.2) Details of methodology, boundary, and/or reporting year definition change(s)

RESTRICTED

*Continuous accounting improvements: Scope 1 & 2: Creation of new Corteva specific crop-emission factors in our operational control (Scope 1); Continuous improvements in carbon accounting methods. Scope 3: Transformed our Scope 3 accounting from all-spend to a hybrid approach; Incorporated activity-based emission factors for the top 20% of our crop protection business commodity spend; Accounted for activities of contracted seed acres*  
[Fixed row]

**(7.1.3) Have your organization's base year emissions and past years' emissions been recalculated as a result of any changes or errors reported in 7.1.1 and/or 7.1.2?**

**(7.1.3.1) Base year recalculation**

Select from:

Yes

**(7.1.3.2) Scope(s) recalculated**

Select all that apply

Scope 1

Scope 2, market-based

Scope 3

**(7.1.3.3) Base year emissions recalculation policy, including significance threshold**

*Corteva's base year recalculation policy applies across all of Corteva's operations, addressing structural changes, methodological updates, discovered errors, and changes in the Scope 3 inventory. Structural changes, such as mergers, acquisitions, divestitures, or outsourcing, will trigger a recalculation, as will updates to calculation methodologies, emission factors, or activity data that do not represent actual modifications in emissions. Any significant errors found in previous calculations that exceed the significance threshold will also necessitate a recalculation.*

**(7.1.3.4) Past years' recalculation**

Select from:

No

[Fixed row]

RESTRICTED

**(7.2) Select the name of the standard, protocol, or methodology you have used to collect activity data and calculate emissions.**

*Select all that apply*

- The Greenhouse Gas Protocol: Scope 2 Guidance
- US EPA Mandatory Greenhouse Gas Reporting Rule
- US EPA Emissions & Generation Resource Integrated Database (eGRID)
- The Greenhouse Gas Protocol: Corporate Value Chain (Scope 3) Standard
- The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)
- US EPA Center for Corporate Climate Leadership: Direct Emissions from Mobile Combustion Sources

**(7.3) Describe your organization's approach to reporting Scope 2 emissions.**

**(7.3.1) Scope 2, location-based**

*Select from:*

- We are reporting a Scope 2, location-based figure

**(7.3.2) Scope 2, market-based**

*Select from:*

- We are reporting a Scope 2, market-based figure

**(7.3.3) Comment**

*For Scope 2, we use a blended location-based and market-based methodology approach. Since 2020, we've adopted the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) or "GHG Protocol" to guide our emission data collection and calculation methodologies. U.S. EPA Emissions & Generation Resource Integrated Database, and U.S. EPA Mandatory Greenhouse Gas Reporting Rule. The GHG Protocol is our overarching framework for Scope 1, 2 and 3 data. Emission factors and CO<sub>2</sub>-equivalent calculation methodologies have generally been derived from U.S. EPA Mandatory Greenhouse Gas Reporting Rule and the U.S. EPA eGRID.*

*[Fixed row]*

**(7.4) Are there any sources (e.g. facilities, specific GHGs, activities, geographies, etc.) of Scope 1, Scope 2 or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure?**

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Select from:

Yes

**(7.4.1) Provide details of the sources of Scope 1, Scope 2, or Scope 3 emissions that are within your selected reporting boundary which are not included in your disclosure.**

Row 1

**(7.4.1.1) Source of excluded emissions**

*Corteva's reporting excludes sites where we have less than 50% Operational Control, as these do not meet our definition of Operational Control.*

**(7.4.1.2) Scope(s) or Scope 3 category(ies)**

Select all that apply

Scope 1

Scope 2 (market-based)

**(7.4.1.3) Relevance of Scope 1 emissions from this source**

Select from:

Emissions are not relevant

**(7.4.1.5) Relevance of market-based Scope 2 emissions from this source**

Select from:

Emissions are not relevant

**(7.4.1.8) Estimated percentage of total Scope 1+2 emissions this excluded source represents**

1

**(7.4.1.10) Explain why this source is excluded**

*Corteva excludes sites where we have less than 50% Operational Control because these sites do not meet our internal definition of Operational Control. Operational Control is defined by Corteva as the authority to introduce and implement operating policies and initiatives. Sites with less than 50% control are typically joint ventures or partnerships*

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where Corteva does not have the ability to influence the operational decisions significantly, and thus, emissions from these sites are not included in our GHG inventory. This exclusion is consistent with industry standards for determining operational boundaries and is intended to ensure that the data we report accurately reflects the emissions that Corteva can directly manage and mitigate.

**(7.4.1.11) Explain how you estimated the percentage of emissions this excluded source represents**

To estimate the percentage of emissions excluded, we identified all sites where Corteva holds less than 50% Operational Control, applied emissions factors relevant to the activities at these sites. We estimate that these excluded emissions represent approximately

**Row 2**

**(7.4.1.1) Source of excluded emissions**

Corteva excludes most office and administrative buildings (aside from our global business centers) and dedicated warehouses (with no additional onsite operations) as they are immaterial for our total GHG footprint.

**(7.4.1.2) Scope(s) or Scope 3 category(ies)**

Select all that apply

- Scope 1
- Scope 2 (market-based)

**(7.4.1.3) Relevance of Scope 1 emissions from this source**

Select from:

- Emissions are not relevant

**(7.4.1.5) Relevance of market-based Scope 2 emissions from this source**

Select from:

- Emissions are not relevant

**(7.4.1.8) Estimated percentage of total Scope 1+2 emissions this excluded source represents**

1

**(7.4.1.10) Explain why this source is excluded**

## RESTRICTED

*Corteva excludes most office and administrative buildings (aside from our global business centers) and dedicated warehouses (with no additional onsite operations) as they are immaterial for our total GHG footprint. The rationale for this exclusion is based on an internal assessment, which determined that these facilities contribute a negligible amount to Corteva's total emissions. As our GHG management efforts are focused on larger, more emission-intensive operations such as manufacturing sites and global business centers, the exclusion of these smaller facilities ensures that our reporting is concentrated on the most significant sources of emissions.*

### **(7.4.1.11) Explain how you estimated the percentage of emissions this excluded source represents**

*To estimate the emissions from excluded office buildings and warehouses, we aggregated energy consumption data from a representative sample of similar facilities that are included in our reporting boundary. We then extrapolated this data across all excluded facilities, considering their size, operational hours, and energy use intensity. We estimate that these excluded emissions represent approximately*  
[Add row]

## **(7.5) Provide your base year and base year emissions.**

### **Scope 1**

#### **(7.5.1) Base year end**

12/31/2020

#### **(7.5.2) Base year emissions (metric tons CO<sub>2</sub>e)**

386000

#### **(7.5.3) Methodological details**

*Since 2020, we've adopted the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) or "GHG Protocol" to guide our emission data collection and calculation methodologies., U.S. EPA Emissions & Generation Resource Integrated Database, and U.S. EPA Mandatory Greenhouse Gas Reporting Rule. The GHG Protocol is our overarching framework for Scope 1, 2, and 3 data. Emission factors and CO<sub>2</sub>-equivalent 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 (market-based)**

#### **(7.5.1) Base year end**

12/31/2020



RESTRICTED

### (7.5.2) Base year emissions (metric tons CO2e)

609000

### (7.5.3) Methodological details

*For Scope 2, we use a blended location-based and market-based methodology approach. Since 2020, we've adopted the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) or "GHG Protocol" to guide our emission data collection and calculation methodologies. U.S. EPA Emissions & Generation Resource Integrated Database, and U.S. EPA Mandatory Greenhouse Gas Reporting Rule. The GHG Protocol is our overarching framework for Scope 1, 2 and 3 data. Emission factors and CO2 -equivalent calculation methodologies have generally been derived from U.S. EPA Mandatory Greenhouse Gas Reporting Rule and the U.S. EPA eGRID.*

## Scope 3 category 1: Purchased goods and services

### (7.5.1) Base year end

12/31/2020

### (7.5.2) Base year emissions (metric tons CO2e)

6441133

### (7.5.3) Methodological details

*Upstream emissions related to extraction, transportation and manufacturing of goods and services purchased by Corteva in the reporting year.*

## Scope 3 category 2: Capital goods

### (7.5.1) Base year end

12/31/2020

### (7.5.2) Base year emissions (metric tons CO2e)

78078

### (7.5.3) Methodological details

RESTRICTED

*Upstream emissions related to extraction, transportation and production of capital goods that Corteva purchased in the reporting year.*

### **Scope 3 category 3: Fuel-and-energy-related activities (not included in Scope 1 or 2)**

#### **(7.5.1) Base year end**

12/31/2020

#### **(7.5.2) Base year emissions (metric tons CO2e)**

147777

#### **(7.5.3) Methodological details**

*Corteva's fuel and energy related activities, not captured as part of Scope 1 and 2 GHG emissions, include upstream emissions associated with the transmission and distribution of acquired electricity, and Well-to-Tank (WTT) fuel combusted for the generation of electricity that is acquired.*

### **Scope 3 category 4: Upstream transportation and distribution**

#### **(7.5.1) Base year end**

12/31/2020

#### **(7.5.2) Base year emissions (metric tons CO2e)**

197729

#### **(7.5.3) Methodological details**

*Emissions associated with transportation and distribution in vehicles not owned or controlled by Corteva but paid for by Corteva including inbound logistics, outbound logistics (i.e. sold products) and third party transport and distribution between Corteva's own facilities.*

### **Scope 3 category 5: Waste generated in operations**

#### **(7.5.1) Base year end**

12/31/2020

RESTRICTED

**(7.5.2) Base year emissions (metric tons CO2e)**

72678

**(7.5.3) Methodological details**

*Emissions associated with the transportation and final disposal of waste generated by Corteva in the reporting year.*

**Scope 3 category 6: Business travel**

**(7.5.1) Base year end**

12/31/2020

**(7.5.2) Base year emissions (metric tons CO2e)**

22960

**(7.5.3) Methodological details**

*Emissions associated with Corteva's employees utilizing third party providers or logistics (airlines, rental cars) for business travel.*

**Scope 3 category 7: Employee commuting**

**(7.5.1) Base year end**

12/31/2020

**(7.5.2) Base year emissions (metric tons CO2e)**

25523

**(7.5.3) Methodological details**

*Emissions associated with Corteva's employees commuting to Corteva locations for work purposes.*

**Scope 3 category 9: Downstream transportation and distribution**

RESTRICTED

#### **(7.5.1) Base year end**

12/31/2020

#### **(7.5.2) Base year emissions (metric tons CO2e)**

61294

#### **(7.5.3) Methodological details**

*Emissions associated with transportation and distribution in vehicles not owned or controlled by Corteva for products where transportation was not paid by Corteva.  
[Fixed row]*

#### **(7.6) What were your organization's gross global Scope 1 emissions in metric tons CO2e?**

##### **Reporting year**

#### **(7.6.1) Gross global Scope 1 emissions (metric tons CO2e)**

370000

#### **(7.6.3) Methodological details**

*Since 2020, we've adopted the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) or "GHG Protocol" to guide our emission data collection and calculation methodologies., U.S. EPA Emissions & Generation Resource Integrated Database, and U.S. EPA Mandatory Greenhouse Gas Reporting Rule. The GHG Protocol is our overarching framework for Scope 1, 2, and 3 data. Emission factors and CO2 -equivalent 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).  
[Fixed row]*

#### **(7.7) What were your organization's gross global Scope 2 emissions in metric tons CO2e?**

##### **Reporting year**

#### **(7.7.2) Gross global Scope 2, market-based emissions (metric tons CO2e) (if applicable)**

#### (7.7.4) Methodological details

*For Scope 2, we use a blended location-based and market-based methodology approach. Since 2020, we've adopted the Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition) or "GHG Protocol" to guide our emission data collection and calculation methodologies. U.S. EPA Emissions & Generation Resource Integrated Database, and U.S. EPA Mandatory Greenhouse Gas Reporting Rule. The GHG Protocol is our overarching framework for Scope 1, 2 and 3 data. Emission factors and CO2 -equivalent calculation methodologies have generally been derived from U.S. EPA Mandatory Greenhouse Gas Reporting Rule and the U.S. EPA eGRID.*

[Fixed row]

#### (7.8) Account for your organization's gross global Scope 3 emissions, disclosing and explaining any exclusions.

##### Purchased goods and services

#### (7.8.1) Evaluation status

Select from:

Relevant, calculated

#### (7.8.2) Emissions in reporting year (metric tons CO2e)

5531342

#### (7.8.3) Emissions calculation methodology

Select all that apply

Hybrid method

#### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

##### Capital goods

#### (7.8.1) Evaluation status

RESTRICTED

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

58346

### (7.8.3) Emissions calculation methodology

Select all that apply

Hybrid method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

## Fuel-and-energy-related activities (not included in Scope 1 or 2)

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

111345

### (7.8.3) Emissions calculation methodology

Select all that apply

Hybrid method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

RESTRICTED

## Upstream transportation and distribution

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

255231

### (7.8.3) Emissions calculation methodology

Select all that apply

Hybrid method

### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

## Waste generated in operations

### (7.8.1) Evaluation status

Select from:

Relevant, calculated

### (7.8.2) Emissions in reporting year (metric tons CO2e)

65844

### (7.8.3) Emissions calculation methodology

Select all that apply

Hybrid method

RESTRICTED

**(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners**

0

**Business travel**

**(7.8.1) Evaluation status**

Select from:

Relevant, calculated

**(7.8.2) Emissions in reporting year (metric tons CO2e)**

63658

**(7.8.3) Emissions calculation methodology**

Select all that apply

Hybrid method

**(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners**

0

**Employee commuting**

**(7.8.1) Evaluation status**

Select from:

Relevant, calculated

**(7.8.2) Emissions in reporting year (metric tons CO2e)**

25311

**(7.8.3) Emissions calculation methodology**



RESTRICTED  
Select all that apply  
 Hybrid method

#### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

#### Upstream leased assets

##### (7.8.1) Evaluation status

Select from:  
 Relevant, not yet calculated

##### (7.8.5) Please explain

*Emissions associated with assets leased by Corteva that are not captured elsewhere in the GHG inventory. Relevance will be confirmed during the second year of inventory evaluation.*

#### Downstream transportation and distribution

##### (7.8.1) Evaluation status

Select from:  
 Relevant, calculated

##### (7.8.2) Emissions in reporting year (metric tons CO<sub>2</sub>e)

79122

##### (7.8.3) Emissions calculation methodology

Select all that apply  
 Hybrid method

#### (7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

## Processing of sold products

### (7.8.1) Evaluation status

Select from:

Not evaluated

### (7.8.5) Please explain

*Emissions associated with downstream processing of Corteva's sold products.*

## Use of sold products

### (7.8.1) Evaluation status

Select from:

Not evaluated

### (7.8.5) Please explain

*Emissions associated with the direct use of products sold by Corteva.*

## End of life treatment of sold products

### (7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

### (7.8.5) Please explain

*Emissions associated with end-of-life treatment of products sold by Corteva. Corteva's prior screening demonstrated that this is below threshold for relevancy.*

## Downstream leased assets

RESTRICTED

### (7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

### (7.8.5) Please explain

*Corteva does not sub-lease any facilities to other companies.*

## Franchises

### (7.8.1) Evaluation status

Select from:

Not relevant, explanation provided

### (7.8.5) Please explain

*Corteva does not have any franchises.*

## Investments

### (7.8.1) Evaluation status

Select from:

Not evaluated

### (7.8.5) Please explain

*Emissions associated with companies Corteva is invested in, including joint ventures.*

*[Fixed row]*

**(7.9) Indicate the verification/assurance status that applies to your reported emissions.**

RESTRICTED

	Verification/assurance status
Scope 1	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place
Scope 3	Select from: <input checked="" type="checkbox"/> Third-party verification or assurance process in place

[Fixed row]

**(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.**

**Row 1**

**(7.9.1.1) Verification or assurance cycle in place**

Select from:

Annual process

**(7.9.1.2) Status in the current reporting year**

Select from:

Complete

**(7.9.1.3) Type of verification or assurance**

Select from:

Limited assurance

**(7.9.1.4) Attach the statement**

**(7.9.1.5) Page/section reference**

1-4

**(7.9.1.6) Relevant standard**

Select from:

ISO14064-3

**(7.9.1.7) Proportion of reported emissions verified (%)**

10

[Add row]

**(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.**

**Row 1**

**(7.9.2.1) Scope 2 approach**

Select from:

Scope 2 market-based

**(7.9.2.2) Verification or assurance cycle in place**

Select from:

Annual process

**(7.9.2.3) Status in the current reporting year**

Select from:

Complete

**(7.9.2.4) Type of verification or assurance**

RESTRICTED

Select from:

Limited assurance

#### (7.9.2.5) Attach the statement

*DOC-Corteva\_2023\_Third\_Party\_Assurance\_Statement-Global.pdf*

#### (7.9.2.6) Page/ section reference

1-4

#### (7.9.2.7) Relevant standard

Select from:

ISO14064-3

#### (7.9.2.8) Proportion of reported emissions verified (%)

10

[Add row]

**(7.9.3) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.**

**Row 1**

#### (7.9.3.1) Scope 3 category

Select all that apply

Scope 3: Capital goods

Scope 3: Business travel

Scope 3: Employee commuting

Scope 3: Purchased goods and services

Scope 3: Waste generated in operations

Scope 3: Upstream transportation and distribution

Scope 3: Downstream transportation and distribution

Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)

#### (7.9.3.2) Verification or assurance cycle in place

RESTRICTED

Select from:

Annual process

### (7.9.3.3) Status in the current reporting year

Select from:

Complete

### (7.9.3.4) Type of verification or assurance

Select from:

Limited assurance

### (7.9.3.5) Attach the statement

*DOC-Corteva\_2023\_Third\_Party\_Assurance\_Statement-Global.pdf*

### (7.9.3.6) Page/section reference

1-4

### (7.9.3.7) Relevant standard

Select from:

ISO14064-3

### (7.9.3.8) Proportion of reported emissions verified (%)

10

[Add row]

### (7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Select from:

Decreased

RESTRICTED

**(7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.**

**Change in renewable energy consumption**

**(7.10.1.1) Change in emissions (metric tons CO<sub>2</sub>e)**

0

**(7.10.1.2) Direction of change in emissions**

Select from:

No change

**(7.10.1.3) Emissions value (percentage)**

1

**(7.10.1.4) Please explain calculation**

1042 GJ Renewable Energy in FY2022 vs 940 GJ in FY2023

[Fixed row]

**(7.10.2) Are your emissions performance calculations in 7.10 and 7.10.1 based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?**

Select from:

Market-based

**(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization?**

Select from:

No

**(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type?**



RESTRICTED

Select from:

Yes

**(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).**

**Row 1**

**(7.15.1.1) Greenhouse gas**

Select from:

CO2

**(7.15.1.2) Scope 1 emissions (metric tons of CO2e)**

296472

**(7.15.1.3) GWP Reference**

Select from:

Other, please specify :EPA, 40 CFR 98

**Row 2**

**(7.15.1.1) Greenhouse gas**

Select from:

CH4

**(7.15.1.2) Scope 1 emissions (metric tons of CO2e)**

144

**(7.15.1.3) GWP Reference**

Select from:

RESTRICTED

Other, please specify :EPA, 40 CFR 98

### Row 3

#### (7.15.1.1) Greenhouse gas

Select from:

N2O

#### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

234

#### (7.15.1.3) GWP Reference

Select from:

Other, please specify :EPA, 40 CFR 98

### Row 4

#### (7.15.1.1) Greenhouse gas

Select from:

HFCs

#### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

25020

#### (7.15.1.3) GWP Reference

Select from:

IPCC Fourth Assessment Report (AR4 - 100 year)

### Row 5

RESTRICTED

### (7.15.1.1) Greenhouse gas

Select from:

- Other, please specify :Aggregated

### (7.15.1.2) Scope 1 emissions (metric tons of CO2e)

48583

### (7.15.1.3) GWP Reference

Select from:

- Other, please specify :Crop Emissions that cannot be broken out based on how we calculate our crop emission factors

[Add row]

### (7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.

Select all that apply

- By business division

### (7.17.1) Break down your total gross global Scope 1 emissions by business division.

	Business division	Scope 1 emissions (metric ton CO2e)
Row 2	Seed	229000
Row 3	Crop Protection	141000

[Add row]

### (7.20) Indicate which gross global Scope 2 emissions breakdowns you are able to provide.

RESTRICTED

Select all that apply

By business division

**(7.20.1) Break down your total gross global Scope 2 emissions by business division.**

	Business division	Scope 2, market-based (metric tons CO2e)
Row 2	Seed	179000
Row 3	Crop Protection	382000

[Add row]

**(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.**

**Consolidated accounting group**

**(7.22.1) Scope 1 emissions (metric tons CO2e)**

370000

**(7.22.2) Scope 2, location-based emissions (metric tons CO2e)**

0

**(7.22.3) Scope 2, market-based emissions (metric tons CO2e)**

561000

**(7.22.4) Please explain**

Not relevant as we do not have any subsidiaries

RESTRICTED

**All other entities**

**(7.22.1) Scope 1 emissions (metric tons CO2e)**

0

**(7.22.2) Scope 2, location-based emissions (metric tons CO2e)**

0

**(7.22.3) Scope 2, market-based emissions (metric tons CO2e)**

0

**(7.22.4) Please explain**

*Not relevant as we do not have any subsidiaries  
[Fixed row]*

**(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?**

*Select from:*

Not relevant as we do not have any subsidiaries

**(7.27) What are the challenges in allocating emissions to different customers, and what would help you to overcome these challenges?**

**Row 2**

**(7.27.1) Allocation challenges**

*Select from:*

Diversity of product lines makes accurately accounting for each product/product line cost ineffective

*[Add row]*

**(7.28) Do you plan to develop your capabilities to allocate emissions to your customers in the future?**

RESTRICTED

	Do you plan to develop your capabilities to allocate emissions to your customers in the future?
	Select from: <input checked="" type="checkbox"/> No

[Fixed row]

**(7.29) What percentage of your total operational spend in the reporting year was on energy?**

Select from:

More than 0% but less than or equal to 5%

**(7.30) Select which energy-related activities your organization has undertaken.**

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired electricity	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired heat	Select from: <input checked="" type="checkbox"/> No
Consumption of purchased or acquired steam	Select from: <input checked="" type="checkbox"/> Yes
Consumption of purchased or acquired cooling	Select from:

RESTRICTED

	Indicate whether your organization undertook this energy-related activity in the reporting year
	<input checked="" type="checkbox"/> No
Generation of electricity, heat, steam, or cooling	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(7.30.1) Report your organization's energy consumption totals (excluding feedstocks) in MWh.**

**Consumption of fuel (excluding feedstock)**

**(7.30.1.1) Heating value**

Select from:

HHV (higher heating value)

**(7.30.1.2) MWh from renewable sources**

40

**(7.30.1.3) MWh from non-renewable sources**

1224000

**(7.30.1.4) Total (renewable and non-renewable) MWh**

1224000

**Consumption of purchased or acquired electricity**

RESTRICTED

**(7.30.1.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.1.2) MWh from renewable sources**

0

**(7.30.1.3) MWh from non-renewable sources**

981000

**(7.30.1.4) Total (renewable and non-renewable) MWh**

0

**Consumption of purchased or acquired steam**

**(7.30.1.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.1.2) MWh from renewable sources**

0

**(7.30.1.3) MWh from non-renewable sources**

520000

**(7.30.1.4) Total (renewable and non-renewable) MWh**

520000

**Consumption of self-generated non-fuel renewable energy**



RESTRICTED

**(7.30.1.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.1.2) MWh from renewable sources**

261

**(7.30.1.4) Total (renewable and non-renewable) MWh**

261

**Total energy consumption**

**(7.30.1.1) Heating value**

Select from:

Unable to confirm heating value

**(7.30.1.2) MWh from renewable sources**

301

**(7.30.1.3) MWh from non-renewable sources**

2725000

**(7.30.1.4) Total (renewable and non-renewable) MWh**

2726000

[Fixed row]

**(7.30.6) Select the applications of your organization's consumption of fuel.**

RESTRICTED

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Consumption of fuel for the generation of heat	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Consumption of fuel for the generation of steam	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Consumption of fuel for the generation of cooling	<i>Select from:</i> <input checked="" type="checkbox"/> Yes
Consumption of fuel for co-generation or tri-generation	<i>Select from:</i> <input checked="" type="checkbox"/> Yes

[Fixed row]

**(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.**

**Sustainable biomass**

**(7.30.7.1) Heating value**

*Select from:*

HHV

**(7.30.7.2) Total fuel MWh consumed by the organization**

0

**Other biomass**

RESTRICTED

**(7.30.7.1) Heating value**

Select from:

HHV

**(7.30.7.2) Total fuel MWh consumed by the organization**

0

**Other renewable fuels (e.g. renewable hydrogen)**

**(7.30.7.1) Heating value**

Select from:

HHV

**(7.30.7.2) Total fuel MWh consumed by the organization**

0

**Coal**

**(7.30.7.1) Heating value**

Select from:

HHV

**(7.30.7.2) Total fuel MWh consumed by the organization**

0

**Oil**

**(7.30.7.1) Heating value**

Select from:

RESTRICTED

HHV

**(7.30.7.2) Total fuel MWh consumed by the organization**

37900

**(7.30.7.3) MWh fuel consumed for self-generation of electricity**

820

**Gas**

**(7.30.7.1) Heating value**

Select from:

HHV

**(7.30.7.2) Total fuel MWh consumed by the organization**

1186000

**Other non-renewable fuels (e.g. non-renewable hydrogen)**

**(7.30.7.1) Heating value**

Select from:

HHV

**(7.30.7.2) Total fuel MWh consumed by the organization**

40

**Total fuel**

**(7.30.7.1) Heating value**

RESTRICTED

Select from:

HHV

**(7.30.7.2) Total fuel MWh consumed by the organization**

1224000

[Fixed row]

**(7.30.9) Provide details on the electricity, heat, steam, and cooling your organization has generated and consumed in the reporting year.**

**Electricity**

**(7.30.9.1) Total Gross generation (MWh)**

1081

**(7.30.9.2) Generation that is consumed by the organization (MWh)**

1081

**(7.30.9.3) Gross generation from renewable sources (MWh)**

261

**(7.30.9.4) Generation from renewable sources that is consumed by the organization (MWh)**

261

[Fixed row]

**(7.30.14) Provide details on the electricity, heat, steam, and/or cooling amounts that were accounted for at a zero or near-zero emission factor in the market-based Scope 2 figure reported in 7.7.**

**Row 1**

**(7.30.14.1) Country/area**

RESTRICTED

Select from:

- United States of America

#### (7.30.14.2) Sourcing method

Select from:

- Unbundled procurement of energy attribute certificates (EACs)

#### (7.30.14.3) Energy carrier

Select from:

- Electricity

#### (7.30.14.4) Low-carbon technology type

Select from:

- Wind

#### (7.30.14.5) Low-carbon energy consumed via selected sourcing method in the reporting year (MWh)

59154

#### (7.30.14.6) Tracking instrument used

Select from:

- US-REC

#### (7.30.14.7) Country/area of origin (generation) of the low-carbon energy or energy attribute

Select from:

- United States of America

#### (7.30.14.8) Are you able to report the commissioning or re-powering year of the energy generation facility?

Select from:

- No

RESTRICTED

**(7.30.14.10) Comment**

*In 2023, we purchased RECs through our utility provider AES, which reduced our Scope 2 GHG emissions by over 40,000 tons.*

*[Add row]*

**(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.**

**Row 1**

**(7.45.1) Intensity figure**

55440

**(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)**

931667

**(7.45.3) Metric denominator**

Select from:

unit total revenue

**(7.45.4) Metric denominator: Unit total**

16.8

**(7.45.5) Scope 2 figure used**

Select from:

Market-based

**(7.45.6) % change from previous year**

20.83

RESTRICTED

### (7.45.7) Direction of change

Select from:

Decreased

### (7.45.8) Reasons for change

Select all that apply

Other, please specify :Operational efficiencies, renewable energy strategies, and renewable energy certificates.

### (7.45.9) Please explain

*We intend to meet our Scope 1 and 2 target through operational efficiencies and renewable energy strategies across our sites. Purchasing high quality Renewable Energy Certificates (RECs) is an important part of our Scope 2 reduction strategy. In 2023, we purchased RECs through our utility provider AES, which reduced our Scope 2 GHG emissions by over 40,000 tons. At the same time, we have been identifying suitable seed operations sites for potential solar panel installations, working with partners that will provide power directly to each site through power purchase agreements. Through this initiative, we can save an estimated 25,000 tons of CO2e by 2030 – that's 25% of our seed operations' Scope 2 footprint.*

[Add row]

### (7.53) Did you have an emissions target that was active in the reporting year?

Select all that apply

Absolute target

Intensity target

### (7.53.1) Provide details of your absolute emissions targets and progress made against those targets.

Row 1

#### (7.53.1.1) Target reference number

Select from:

Abs 1

#### (7.53.1.2) Is this a science-based target?



RESTRICTED

Select from:

- Yes, we consider this a science-based target, but we have not committed to seek validation of this target by the Science Based Targets initiative within the next two years

#### (7.53.1.4) Target ambition

Select from:

- 1.5°C aligned

#### (7.53.1.5) Date target was set

12/31/2020

#### (7.53.1.6) Target coverage

Select from:

- Organization-wide

#### (7.53.1.7) Greenhouse gases covered by target

Select all that apply

- Methane (CH<sub>4</sub>)
- Nitrous oxide (N<sub>2</sub>O)
- Carbon dioxide (CO<sub>2</sub>)
- Perfluorocarbons (PFCs)
- Hydrofluorocarbons (HFCs)
- Sulphur hexafluoride (SF<sub>6</sub>)
- Nitrogen trifluoride (NF<sub>3</sub>)

#### (7.53.1.8) Scopes

Select all that apply

- Scope 1
- Scope 2

#### (7.53.1.9) Scope 2 accounting method

Select from:

RESTRICTED

Market-based

**(7.53.1.11) End date of base year**

12/31/2020

**(7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO2e)**

386000

**(7.53.1.13) Base year Scope 2 emissions covered by target (metric tons CO2e)**

609000

**(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)**

0.000

**(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)**

995000.000

**(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1**

100

**(7.53.1.34) Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2**

100

**(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes**

100

**(7.53.1.54) End date of target**

12/31/2030

RESTRICTED

**(7.53.1.55) Targeted reduction from base year (%)**

42

**(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)**

577100.000

**(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)**

370000

**(7.53.1.58) Scope 2 emissions in reporting year covered by target (metric tons CO2e)**

561000

**(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)**

931000.000

**(7.53.1.78) Land-related emissions covered by target**

Select from:

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

**(7.53.1.79) % of target achieved relative to base year**

15.31

**(7.53.1.80) Target status in reporting year**

Select from:

Underway

**(7.53.1.82) Explain target coverage and identify any exclusions**

RESTRICTED

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

#### (7.53.1.83) Target objective

We are committed to a 65% intensity reduction target (42% absolute reduction target) for Scope 1 and 2 emissions by 2030, consistent with the 1.5C pathway identified in the Paris Agreement.

#### (7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

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

#### (7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

Yes

[Add row]

### (7.53.2) Provide details of your emissions intensity targets and progress made against those targets.

#### Row 1

#### (7.53.2.1) Target reference number

Select from:

Int 1

#### (7.53.2.2) Is this a science-based target?

Select from:

Yes, we consider this a science-based target, but we have not committed to seek validation of this target by the Science Based Targets initiative within the next two years

#### (7.53.2.4) Target ambition

Select from:

1.5°C aligned

RESTRICTED

#### (7.53.2.5) Date target was set

12/31/2020

#### (7.53.2.6) Target coverage

Select from:

- Organization-wide

#### (7.53.2.7) Greenhouse gases covered by target

Select all that apply

- Methane (CH<sub>4</sub>)
- Nitrous oxide (N<sub>2</sub>O)
- Carbon dioxide (CO<sub>2</sub>)
- Perfluorocarbons (PFCs)
- Hydrofluorocarbons (HFCs)
- Nitrogen trifluoride (NF<sub>3</sub>)
- Sulphur hexafluoride (SF<sub>6</sub>)

#### (7.53.2.8) Scopes

Select all that apply

- Scope 1
- Scope 2

#### (7.53.2.9) Scope 2 accounting method

Select from:

- Market-based

#### (7.53.2.11) Intensity metric

Select from:

- Metric tons CO<sub>2</sub>e per unit revenue

#### (7.53.2.12) End date of base year

**(7.53.2.13) Intensity figure in base year for Scope 1 (metric tons CO2e per unit of activity)**

27184

**(7.53.2.14) Intensity figure in base year for Scope 2 (metric tons CO2e per unit of activity)**

42842

**(7.53.2.33) Intensity figure in base year for all selected Scopes (metric tons CO2e per unit of activity)**

70026.0000000000

**(7.53.2.34) % of total base year emissions in Scope 1 covered by this Scope 1 intensity figure**

100

**(7.53.2.35) % of total base year emissions in Scope 2 covered by this Scope 2 intensity figure**

100

**(7.53.2.54) % of total base year emissions in all selected Scopes covered by this intensity figure**

100

**(7.53.2.55) End date of target**

12/31/2030

**(7.53.2.56) Targeted reduction from base year (%)**

65

**(7.53.2.57) Intensity figure at end date of target for all selected Scopes (metric tons CO2e per unit of activity)**

24509.1000000000

RESTRICTED

**(7.53.2.58) % change anticipated in absolute Scope 1+2 emissions**

42

**(7.53.2.60) Intensity figure in reporting year for Scope 1 (metric tons CO2e per unit of activity)**

26057

**(7.53.2.61) Intensity figure in reporting year for Scope 2 (metric tons CO2e per unit of activity)**

39475

**(7.53.2.80) Intensity figure in reporting year for all selected Scopes (metric tons CO2e per unit of activity)**

65532.0000000000

**(7.53.2.81) Land-related emissions covered by target**

Select from:

No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

**(7.53.2.82) % of target achieved relative to base year**

9.87

**(7.53.2.83) Target status in reporting year**

Select from:

Underway

**(7.53.2.85) Explain target coverage and identify any exclusions**

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

**(7.53.2.86) Target objective**

RESTRICTED

We are committed to a 65% intensity reduction target (42% absolute reduction target) for Scope 1 and 2 emissions by 2030, consistent with the 1.5C pathway identified in the Paris Agreement.

### (7.53.2.87) Plan for achieving target, and progress made to the end of the reporting year

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

### (7.53.2.88) Target derived using a sectoral decarbonization approach

Select from:

Yes

[Add row]

**(7.55) Did you have emissions reduction initiatives that were active within the reporting year? Note that this can include those in the planning and/or implementation phases.**

Select from:

Yes

**(7.55.1) Identify the total number of initiatives at each stage of development, and for those in the implementation stages, the estimated CO2e savings.**

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Under investigation	70	<i>Numeric input</i>
To be implemented	52	84000
Implementation commenced	10	47000
Implemented	0	0



RESTRICTED

	Number of initiatives	Total estimated annual CO2e savings in metric tonnes CO2e (only for rows marked *)
Not to be implemented	64	<i>Numeric input</i>

[Fixed row]

**(7.55.2) Provide details on the initiatives implemented in the reporting year in the table below.**

**Row 1**

**(7.55.2.1) Initiative category & Initiative type**

**Energy efficiency in buildings**

Other, please specify :Energy Audits that range from optimizing steam and process air use, to installing control valves, and varying frequency drives on select pumps.

**(7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)**

10000

**(7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur**

Select all that apply

- Scope 1
- Scope 2 (location-based)
- Scope 2 (market-based)

**(7.55.2.4) Voluntary/Mandatory**

Select from:

- Voluntary

RESTRICTED

### (7.55.2.7) Payback period

Select from:

- 4-10 years

### (7.55.2.8) Estimated lifetime of the initiative

Select from:

- Ongoing

### (7.55.2.9) Comment

*Energy audits At our Harbor Beach site in Michigan, U.S., electricity and gas use audits have identified potential energy savings of 10-15%. As a result, we are planning several projects that have the potential to save an estimated 10,000 tons of GHG emissions each year. These range from optimizing steam and process air use, to installing control valves, and varying frequency drives on select pumps.*

## Row 2

### (7.55.2.1) Initiative category & Initiative type

**Fugitive emissions reductions**

- Other, please specify :Avoided Emissions through lower use rate products: Rinskor

### (7.55.2.4) Voluntary/Mandatory

Select from:

- Voluntary

### (7.55.2.7) Payback period

Select from:

- <1 year

### (7.55.2.8) Estimated lifetime of the initiative

RESTRICTED

Select from:

Ongoing

### Row 3

#### (7.55.2.1) Initiative category & Initiative type

**Low-carbon energy consumption**

Solar PV

#### (7.55.2.2) Estimated annual CO2e savings (metric tonnes CO2e)

25000

#### (7.55.2.3) Scope(s) or Scope 3 category(ies) where emissions savings occur

Select all that apply

Scope 1

Scope 2 (location-based)

Scope 2 (market-based)

#### (7.55.2.4) Voluntary/Mandatory

Select from:

Voluntary

#### (7.55.2.7) Payback period

Select from:

16-20 years

#### (7.55.2.8) Estimated lifetime of the initiative

Select from:

Ongoing

RESTRICTED

### (7.55.2.9) Comment

*We have been identifying suitable seed operations sites for potential solar panel installations, working with partners that will provide power directly to each site through power purchase agreements. Through this initiative, we can save an estimated 25,000 tons of CO2e by 2030 – that's 25% of our seed operations' Scope 2 footprint.*

*[Add row]*

## (7.55.3) What methods do you use to drive investment in emissions reduction activities?

### Row 1

#### (7.55.3.1) Method

Select from:

Compliance with regulatory requirements/standards

#### (7.55.3.2) Comment

*We recognize that our financial performance is closely tied to our stakeholders' trust and confidence in our ability to navigate the challenges and opportunities presented by variable weather patterns. Therefore, we are increasing our stakeholder engagement to promote our climate-resilient products and services. For example, we are participating in the global Greenhouse Gas Protocol Land Sector and Removals Guidance pilot, a multi-stakeholder initiative designed to guide companies in the accounting and reporting of land-related GHG emissions and removals. This pilot will advance Scope 1-3 reporting transparency while addressing pressing issues around land-use change, land management, and carbon storage in land and product carbon pools.*

### Row 3

#### (7.55.3.1) Method

Select from:

Dedicated budget for low-carbon product R&D

#### (7.55.3.2) Comment

*The advancement of our nitrogen stabilizer and optimizer portfolio is a key part of our commitment to sustainable agriculture and emissions reduction. Nitrogen is a critical nutrient for plant growth, but its use in agriculture can contribute to greenhouse gas emissions. Our portfolio includes products that help farmers optimize their use of nitrogen. Nitrogen stabilizers and optimizers in our portfolio are designed to work in harmony with natural soil processes. They enhance the efficiency of nitrogen uptake by crops, reducing the need for fertilizers and promoting healthier, more resilient soils. This is particularly important in the context of climate change, as healthy soils are more*

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*capable of sequestering carbon and resisting the impacts of extreme weather events. Our commitment to climate resilience is further demonstrated by our strategic acquisitions. We have acquired Syngenta, a leading biologicals company, and Stoller, a pioneer in plant health solutions. These acquisitions are integral to our strategy to expand our portfolio of sustainable solutions that can help farmers mitigate the impacts of climate change. We are also investing heavily in research and development to create the next generation of agricultural solutions that can withstand the impacts of climate change. This includes the development of drought-tolerant and disease-resistant seeds, which are crucial for maintaining agricultural productivity in a changing climate. Furthermore, we have achieved in 2023, 100% of newly developed Corteva solutions in our pipeline will meet our sustainability criteria by 2025. This includes increasing our low-carbon product offerings. Each new solution must meet baseline requirements and deliver at least one notable sustainability advantage based on criteria aligned with the United Nations Sustainable Development Goals, including SDG 13, which focuses on climate action. Corteva's strategy for driving investment in emissions reduction activities is multifaceted, encompassing product innovation, strategic acquisitions, research and development, and a strong commitment to sustainability. Through these efforts, we aim to help farmers adapt to climate change, reduce GHG emissions, and contribute to a more sustainable and resilient agricultural sector.*

### Row 4

#### (7.55.3.1) Method

Select from:

- Internal incentives/recognition programs

#### (7.55.3.2) Comment

*Corteva's Carbon Program is a pioneering initiative that leverages the power of agriculture to combat climate change. Recognizing that healthy soils can act as significant carbon sinks, the program is designed to incentivize and support farmers in adopting practices that enhance soil carbon sequestration. The program operates on the principle of 'carbon farming', which involves implementing practices that increase the rate at which CO<sub>2</sub> is removed from the atmosphere and converted to plant material and soil organic matter. These practices can include cover cropping, conservation tillage, crop rotation, and the use of organic amendments. Farmers participating in the program can generate carbon credits by adopting these practices and demonstrating that they are effectively sequestering carbon in their soils. These credits can then be sold on carbon markets, providing an additional revenue stream for farmers and making sustainable farming practices more economically viable. The practices promoted by the program also contribute to improved soil health, which can lead to increased agricultural productivity. Healthy soils have better structure and water-holding capacity, are more resistant to erosion, and can provide crops with a more balanced supply of nutrients. This can help farmers maintain yields under increasingly variable weather conditions, enhancing their resilience to climate change. Moreover, by promoting the adoption of sustainable farming practices, the Carbon Program contributes to broader environmental goals. These practices can help preserve biodiversity, protect water quality, and reduce the environmental footprint of agriculture.*

### Row 5

#### (7.55.3.1) Method

Select from:

- Dedicated budget for energy efficiency

**(7.55.3.2) Comment**

*We are implementing operational improvements to reduce our own GHG emissions. This includes energy reduction initiatives, efficiency gains, and strategic renewable energy procurement opportunities. For example, through our utility provider, AES Indiana Green Power Initiative, we annually purchased Renewable Energy Certificates equal to all the electricity consumed at our global headquarters in Indianapolis, Indiana.*

*[Add row]*

**(7.73) Are you providing product level data for your organization's goods or services?**

Select from:

No, I am not providing data

**(7.74) Do you classify any of your existing goods and/or services as low-carbon products?**

Select from:

Yes

**(7.74.1) Provide details of your products and/or services that you classify as low-carbon products.**

**Row 1**

**(7.74.1.1) Level of aggregation**

Select from:

Product or service

**(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon**

Select from:

Other, please specify : Third-Party Reviewed Life Cycle Assessment

**(7.74.1.3) Type of product(s) or service(s)**

**Other**

Other, please specify :Avoided Emissions through lower use rate products: Rinskor

**(7.74.1.4) Description of product(s) or service(s)**

*With the advantage of an up to 150 times lower use rate, Corteva has conducted a third party reviewed Life Cycle Assessment for Rinksor active - a new solution that help farmers increase their resilience to changes in our climate, while also reducing emissions in their operations.*

**(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)**

Select from:

Yes

**(7.74.1.6) Methodology used to calculate avoided emissions**

Select from:

Other, please specify :ISO 14040 and 14044. The study follows, but does not comply with the ISO standards 14040 and 14044 requirements to support comparative assertions.

**(7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)**

Select from:

Use stage

**(7.74.1.8) Functional unit used**

*Amount of herbicide to protect rice in China from weeds on 1 hectare for 1 growing season.*

**(7.74.1.9) Reference product/service or baseline scenario used**

*Amount of herbicide to protect rice in China from weeds on 1 hectare for 1 growing season*

**(7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario**

Select from:

Cradle-to-gate

**(7.74.1.11) Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario**

### (7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

*A single-impact Life Cycle Assessment (LCA) has been completed to understand how the product carbon footprint of Rinskor compares with propanil, a higher use rate alternative. While these herbicides are used globally for many different crops, this case study focuses on rice applications in China and the two herbicides are compared on the functionally equivalent basis of one hectare of land. Various process improvements for Rinskor production were also included in the analysis. All data for Rinskor were collected internally or via our third-party suppliers. These data range from laboratory scale results to full-scale production metrics. Data for propanil were from Ecoinvent v 3.9.1. The LCA modeling was completed using SimaPro software. A Critical Reviewer completed a third-party critical review of the Rinskor study.*

## Row 2

### (7.74.1.1) Level of aggregation

Select from:

- Product or service

### (7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

- Other, please specify : Life Cycle Assessment

### (7.74.1.3) Type of product(s) or service(s)

#### Power

- Other, please specify :Below Ground Nitrogen Stabilizers

### (7.74.1.4) Description of product(s) or service(s)

*Nitrogen stabilizers are an additional crop input that can extend nitrogen availability and prevent nitrogen from leaching back into the atmosphere during the key growth stages of crops. Corteva's stabilizers work above and below ground where nitrogen loss can occur. Corteva offers three nitrogen stabilizers in its portfolio. PinnitMax TG nitrogen stabilizer works above ground, protecting against volatilization, to help applied nitrogen get to the root zone. N-Serve and Instinct NXTGEN nitrogen stabilizers, powered by Optinyte technology, work below ground, protecting against leaching and denitrification, helping ensure nitrogen stays in the root zone. All three solutions help maximize yield potential. Corteva's exclusive Optinyte technology 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 (N<sub>2</sub>O) 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*



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*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.*

#### (7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

Yes

#### (7.74.1.6) Methodology used to calculate avoided emissions

Select from:

Other, please specify :Wolt, J.D. 2004. A meta-evaluation of nitrapyrin agronomic and environmental effectiveness with emphasis on corn production in the midwestern USA. doi:10.1023/B:FRES.0000025287.52565.99.

#### (7.74.1.7) Life cycle stage(s) covered for the low-carbon product(s) or services(s)

Select from:

Use stage

#### (7.74.1.8) Functional unit used

*kg of corn with and without the use of Optinyte*

#### (7.74.1.9) Reference product/service or baseline scenario used

*Wolt, J.D. 2004. A meta-evaluation of nitrapyrin agronomic and environmental effectiveness with emphasis on corn production in the midwestern USA. doi:10.1023/B:FRES.0000025287.52565.99.*

#### (7.74.1.10) Life cycle stage(s) covered for the reference product/service or baseline scenario

Select from:

Use stage

#### (7.74.1.11) Estimated avoided emissions (metric tons CO2e per functional unit) compared to reference product/service or baseline scenario

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### (7.74.1.12) Explain your calculation of avoided emissions, including any assumptions

*Conclusions from a meta-analysis were that, on average, use of Optinyte technology applied with Nitrogen fertilizer resulted in a 51% reduction of nitrous oxide (N<sub>2</sub>O) emissions and a 16% decrease in soil nitrogen leaching.*

### Row 3

#### (7.74.1.1) Level of aggregation

Select from:

- Product or service

#### (7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon

Select from:

- No taxonomy used to classify product(s) or service(s) as low carbon

#### (7.74.1.3) Type of product(s) or service(s)

Power

- Other, please specify :Above Ground Nitrogen Stabilizers

#### (7.74.1.4) Description of product(s) or service(s)

*Nitrogen stabilizers are an additional crop input that can extend nitrogen availability and prevent nitrogen from leaching back into the atmosphere during the key growth stages of crops. Corteva's stabilizers work above and below underground where nitrogen loss can occur. Corteva offers three nitrogen stabilizers in its portfolio. PinnitMax TG nitrogen stabilizer works above ground, protecting against volatilization, to help applied nitrogen get to the root zone. N-Serve and Instinct NXTGEN nitrogen stabilizers, powered by Optinyte technology, work below ground, protecting against leaching and denitrification, helping ensure nitrogen stays in the root zone. All three solutions help maximize yield potential. Corteva launched PinnitMax TG, 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.*

#### (7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)

Select from:

- No

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**Row 4**

**(7.74.1.1) Level of aggregation**

Select from:

- Product or service

**(7.74.1.2) Taxonomy used to classify product(s) or service(s) as low-carbon**

Select from:

- No taxonomy used to classify product(s) or service(s) as low carbon

**(7.74.1.3) Type of product(s) or service(s)**

**Power**

- Other, please specify :Nitrogen Optimizers

**(7.74.1.4) Description of product(s) or service(s)**

*Utrisha N is a natural-origin bio-stimulant developed by Corteva. It enables plants to fix nitrogen from the air, serving as a sustainable supplemental nitrogen source with no risk of leaching into water or releasing additional greenhouse gases. This innovative product can be used for a variety of crops, including corn, cotton, rice, soybeans, wheat, and alfalfa. The use of Utrisha N helps to reduce the amount of nitrogen that is lost to the environment through leaching and runoff. This not only improves crop productivity and profitability but also reduces the risk of nitrate contamination in groundwater, contributing to environmental sustainability. The development and promotion of such products are part of Corteva's commitment to providing farmers with environmentally-friendly, sustainable tools that complement evolving farming practices. This is in line with our strategy to expand our portfolio of sustainable solutions that can help farmers mitigate the impacts of climate change. In addition to Utrisha N, Corteva has also introduced other innovative products such as Sossdia Stress, a biological solution that protects row crops from environmentally stressful conditions like drought, heat, excess salinity, and excess sunlight. Sossdia Stress allows plants to focus on growth and productivity — instead of on cell repair in challenging conditions — for optimum yield potential.*

**(7.74.1.5) Have you estimated the avoided emissions of this low-carbon product(s) or service(s)**

Select from:

- No

[Add row]

**(7.79) Has your organization canceled any project-based carbon credits within the reporting year?**

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Select from:

No

## C9. Environmental performance - Water security

### (9.1) Are there any exclusions from your disclosure of water-related data?

Select from:

Yes

#### (9.1.1) Provide details on these exclusions.

##### Row 1

###### (9.1.1.1) Exclusion

Select from:

Facilities

###### (9.1.1.2) Description of exclusion

*Dedicated office locations, dedicated warehouses, and locations withdrawing*

###### (9.1.1.3) Reason for exclusion

Select from:

Other, please specify :Practicality and relative magnitude of captured data.

[Add row]

### (9.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?

#### Water withdrawals – total volumes

##### (9.2.1) % of sites/facilities/operations

Select from:

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76-99

### (9.2.2) Frequency of measurement

Select from:

Quarterly

### (9.2.3) Method of measurement

*Corteva facilities within operational control report withdrawals 100,000 gallons per year. Depending on the sources of water withdraw, the method of measurement include using onsite water flow meter or from the invoices for the amount of water withdraw.*

### (9.2.4) Please explain

*Total water withdrawal volumes are monitored for water use efficiency and to ensure sustainable water management practices.*

## Water withdrawals – volumes by source

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Quarterly

### (9.2.3) Method of measurement

*Depending on the sources of water withdraw, the method of measurement include using onsite water flow meter or from the invoices for the amount of water withdraw.*

### (9.2.4) Please explain

*Corteva facilities within operational control report withdrawals 100,000 gallons per year. This assessment aims to evaluate the potential risks and impacts associated with water usage. Monitoring of water withdrawals is done by monitoring the source of water, enabling Corteva to understand and manage the effects on local water bodies. By assessing reliance on specific sources, Corteva can effectively manage risks and ensure responsible water resource management practices.*

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## Water withdrawals quality

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Monthly

### (9.2.3) Method of measurement

*Depending on the sources of water withdraw, the site will receive the periodic water quality report from vendors.*

### (9.2.4) Please explain

*The quality of water withdrawn is monitored at our crop protection and seed operations to ensure it meets the necessary standards for its intended use and to prevent potential contamination of our systems.*

## Water discharges – total volumes

### (9.2.1) % of sites/facilities/operations

Select from:

76-99

### (9.2.2) Frequency of measurement

Select from:

Quarterly

### (9.2.3) Method of measurement

*Total volumes of water discharge are measured by flow meters.*

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#### (9.2.4) Please explain

*Total volumes of water discharge are monitored to comply with environmental regulations and to manage the impact on local water bodies.*

#### **Water discharges – volumes by destination**

##### (9.2.1) % of sites/facilities/operations

Select from:

76-99

##### (9.2.2) Frequency of measurement

Select from:

Monthly

##### (9.2.3) Method of measurement

*Water discharge volumes are carefully monitored and monitored according to their destination to effectively manage the impact on specific water bodies and ensure compliance with local regulations. As a minimum requirement, this monitoring is conducted on a monthly basis to meet the environmental regulatory standards and obligations.*

#### (9.2.4) Please explain

*By closely monitoring the volume of water discharged and its intended location, Corteva can assess and manage the potential effects on the receiving water bodies, minimizing any adverse impacts and promoting responsible water management practices. This proactive approach not only safeguards the environment but also demonstrates a commitment to meeting and exceeding local regulatory requirements pertaining to water discharge.*

#### **Water discharges – volumes by treatment method**

##### (9.2.1) % of sites/facilities/operations

Select from:

76-99

##### (9.2.2) Frequency of measurement



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Select from:

Yearly

### (9.2.3) Method of measurement

*The volume of water discharged by the treatment method is monitored to ensure the effectiveness of treatment processes and to identify opportunities for improvement.*

### (9.2.4) Please explain

*The volume of water discharged by the treatment method is monitored to ensure the effectiveness of treatment processes and to identify opportunities for improvement.*

## Water discharge quality – by standard effluent parameters

### (9.2.1) % of sites/facilities/operations

Select from:

100%

### (9.2.2) Frequency of measurement

Select from:

Continuously

### (9.2.3) Method of measurement

*The quality of water discharge is monitored using standard effluent parameters to ensure compliance with environmental regulations and to prevent pollution. This practice is based on the definition provided by the Environmental Protection Agency (EPA), which sets guidelines and standards for water quality to protect human health and the environment.*

### (9.2.4) Please explain

*For seed manufacturing, treated rinsate water is disposed through water treatment service providers such as safety clean or Covanta. For Probox washing, waste water is processed through local water treatment facilities. Water is quality is tested and known prior to processing.*

## Water discharge quality – emissions to water (nitrates, phosphates, pesticides, and/or other priority substances)

### (9.2.1) % of sites/facilities/operations

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Select from:

100%

### (9.2.2) Frequency of measurement

Select from:

Continuously

### (9.2.3) Method of measurement

*Emissions to water are monitored to prevent pollution, protect local water bodies, and ensure compliance with environmental regulations. It is important to note that the specific definition and regulations governing water quality monitoring may vary depending on the region or country.*

### (9.2.4) Please explain

*Different environmental agencies or regulatory bodies, such as the Environmental Protection Agency (EPA) in the United States, the European Environment Agency (EEA) in Europe, or other local authorities, establish their own guidelines and standards for water quality management.*

## Water discharge quality – temperature

### (9.2.1) % of sites/facilities/operations

Select from:

100%

### (9.2.2) Frequency of measurement

Select from:

Monthly

### (9.2.3) Method of measurement

*For Crop Protection manufacturing, the monitoring of water discharge temperature plays a crucial role in preventing thermal pollution and safeguarding the integrity of local aquatic ecosystems. This monitoring process is mandated by regulatory requirements for wastewater discharge. Thermocouple is used to monitor the water discharge temperature.*

### (9.2.4) Please explain

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*In adherence to local regulations, we diligently report the water temperature on a monthly basis, ensuring compliance with all necessary guidelines.*

## **Water consumption – total volume**

### **(9.2.1) % of sites/facilities/operations**

Select from:

76-99

### **(9.2.2) Frequency of measurement**

Select from:

Quarterly

### **(9.2.3) Method of measurement**

*Total water consumption is monitored to identify opportunities for water conservation and to manage the impact on local water resources. Water consumption is calculate from water withdraw and discharge.*

### **(9.2.4) Please explain**

*Total water consumption is monitored to identify opportunities for water conservation and to manage the impact on local water resources.*

## **Water recycled/reused**

### **(9.2.1) % of sites/facilities/operations**

Select from:

76-99

### **(9.2.2) Frequency of measurement**

Select from:

Quarterly

### **(9.2.3) Method of measurement**

RESTRICTED

*The volume of water recycled or reused is monitored to reduce overall water consumption and contribute to sustainability goals.*

#### **(9.2.4) Please explain**

*The volume of water recycled or reused is monitored to reduce overall water consumption and contribute to sustainability goals.*

### **The provision of fully-functioning, safely managed WASH services to all workers**

#### **(9.2.1) % of sites/facilities/operations**

Select from:

76-99

#### **(9.2.2) Frequency of measurement**

Select from:

Yearly

#### **(9.2.3) Method of measurement**

*Corteva sites shall follow local Drinking/Potable Water Regulations. In addition, Corteva is developing an internal global environmental standard. The purpose of this standard is to provide requirements and guidance for Drinking Water Systems to provide safe drinking water at all global Corteva locations. Depending on the sources of water withdraw, the method of measurement include using onsite water flow meter or from the invoices for the amount of water withdraw.*

#### **(9.2.4) Please explain**

*Corteva sites shall follow local Drinking/Potable Water Regulations. In addition, Corteva is developing an internal global environmental standard. The purpose of this standard is to provide requirements and guidance for Drinking Water Systems to provide safe drinking water at all global Corteva locations.*

*[Fixed row]*

**(9.2.2) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, how do they compare to the previous reporting year, and how are they forecasted to change?**

#### **Total withdrawals**

##### **(9.2.2.1) Volume (megaliters/year)**

**(9.2.2.2) Comparison with previous reporting year**

Select from:

Higher

**(9.2.2.3) Primary reason for comparison with previous reporting year**

Select from:

Increase/decrease in business activity

**(9.2.2.4) Five-year forecast**

Select from:

Higher

**(9.2.2.5) Primary reason for forecast**

Select from:

Investment in water-smart technology/process

**(9.2.2.6) Please explain**

*Corteva's water withdrawal increase is attributed to our recent expansion of Spinosyns fermentation capacity. Production began upon completion of the expansion and is on track to achieve the expected 30 percent increase in capacity over the next several years. Corteva has improved data capture quality and conducted education sessions at the facility levels of key locations to enhance water consumption calculations. This has resulted in a better understanding of our water impacts globally.*

**Total discharges**

**(9.2.2.1) Volume (megaliters/year)**

4713

**(9.2.2.2) Comparison with previous reporting year**

Select from:

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About the same

### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.2.4) Five-year forecast

Select from:

About the same

### (9.2.2.5) Primary reason for forecast

Select from:

Investment in water-smart technology/process

### (9.2.2.6) Please explain

*Corteva has improved data capture quality and conducted education sessions at the facility levels of key locations to enhance water consumption calculations. This has resulted in a better understanding of our water impacts globally.*

## Total consumption

### (9.2.2.1) Volume (megaliters/year)

9632

### (9.2.2.2) Comparison with previous reporting year

Select from:

About the same

### (9.2.2.3) Primary reason for comparison with previous reporting year

Select from:

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Increase/decrease in business activity

#### (9.2.2.4) Five-year forecast

Select from:

About the same

#### (9.2.2.5) Primary reason for forecast

Select from:

Investment in water-smart technology/process

#### (9.2.2.6) Please explain

*Corteva has improved data capture quality and conducted education sessions at the facility levels of key locations to enhance water consumption calculations. This has resulted in a better understanding of our water impacts globally.*

[Fixed row]

**(9.2.4) Indicate whether water is withdrawn from areas with water stress, provide the volume, how it compares with the previous reporting year, and how it is forecasted to change.**

#### (9.2.4.1) Withdrawals are from areas with water stress

Select from:

Yes

#### (9.2.4.2) Volume withdrawn from areas with water stress (megaliters)

3642

#### (9.2.4.3) Comparison with previous reporting year

Select from:

RESTRICTED

About the same

#### (9.2.4.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

#### (9.2.4.5) Five-year forecast

Select from:

About the same

#### (9.2.4.6) Primary reason for forecast

Select from:

Increase/decrease in business activity

#### (9.2.4.7) % of total withdrawals that are withdrawn from areas with water stress

10.92

#### (9.2.4.8) Identification tool

Select all that apply

WRI Aqueduct

#### (9.2.4.9) Please explain

*Our annual global water-risk assessment, covering all facilities with water usage exceeding 100,000 gallons per year, reveals that around 20-30% of our global physical plant assets are in waterstressed areas. This assessment identifies fewer than five of our crop protection manufacturing facilities and about 40 of our R&D and seed manufacturing facilities that are potentially exposed to water risks. These facilities are spread across various regions, including parts of North America, Europe, Asia, and Africa, which are known to face significant water stress. We acknowledge that water is a critical resource for our operations, as it is used as an ingredient in our products, and our contract growers use water for growing seeds. Therefore, any disruption in water availability could potentially impact our production capabilities and financial performance. However, we have implemented robust water stewardship policies and practices to adapt to these risks. These include encouraging the reuse and recycling of water in water-stressed regions, implementing Zero Liquid Discharge facilities, and strategically locating our most water-intensive activities, like biological fermentation, at sites where water and wastewater technology is plentiful. Given the global presence of agriculture, our seed manufacturing and R&D operations engage with regions where water risk is a significant concern, in contrast to our crop protection sites, which are strategically located in areas with plentiful water. Our seed manufacturing and R&D operations are strategically*



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*positioned to address the critical need for resilient agriculture. Our efforts underscore our dedication to enhancing agricultural productivity and supporting the global food supply by empowering farmers with solutions tailored to thrive in water limited conditions.*

*[Fixed row]*

### **(9.2.7) Provide total water withdrawal data by source.**

#### **Fresh surface water, including rainwater, water from wetlands, rivers, and lakes**

##### **(9.2.7.1) Relevance**

Select from:

Relevant

##### **(9.2.7.2) Volume (megaliters/year)**

1287

##### **(9.2.7.3) Comparison with previous reporting year**

Select from:

Lower

##### **(9.2.7.4) Primary reason for comparison with previous reporting year**

Select from:

Increase/decrease in business activity

#### **Brackish surface water/Seawater**

##### **(9.2.7.1) Relevance**

Select from:

Not relevant

#### **Groundwater – renewable**

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**(9.2.7.1) Relevance**

Select from:

Relevant

**(9.2.7.2) Volume (megaliters/year)**

18227

**(9.2.7.3) Comparison with previous reporting year**

Select from:

Higher

**(9.2.7.4) Primary reason for comparison with previous reporting year**

Select from:

Increase/decrease in business activity

**(9.2.7.5) Please explain**

*Noted as irrigation in third party assurance*

**Groundwater – non-renewable**

**(9.2.7.1) Relevance**

Select from:

Relevant

**(9.2.7.2) Volume (megaliters/year)**

1832

**(9.2.7.3) Comparison with previous reporting year**

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Select from:

About the same

#### (9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

#### (9.2.7.5) Please explain

*Noted as groundwater in third party assurance*

### Produced/Entrained water

#### (9.2.7.1) Relevance

Select from:

Relevant

#### (9.2.7.2) Volume (megaliters/year)

795

#### (9.2.7.3) Comparison with previous reporting year

Select from:

Lower

#### (9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

#### (9.2.7.5) Please explain

*Noted as water shipped offsite for treatment (recycled)*

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## Third party sources

### (9.2.7.1) Relevance

Select from:

Relevant

### (9.2.7.2) Volume (megaliters/year)

12011

### (9.2.7.3) Comparison with previous reporting year

Select from:

About the same

### (9.2.7.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.7.5) Please explain

*Noted as total municipal water suppliers (or from other utilities) in Corteva's reporting.  
[Fixed row]*

## (9.2.8) Provide total water discharge data by destination.

### Fresh surface water

#### (9.2.8.1) Relevance

Select from:

Relevant

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### (9.2.8.2) Volume (megaliters/year)

4713

### (9.2.8.3) Comparison with previous reporting year

Select from:

About the same

### (9.2.8.4) Primary reason for comparison with previous reporting year

Select from:

Increase/decrease in business activity

### (9.2.8.5) Please explain

*Water discharge is monitored at all Crop Protection facilities to prevent pollution, protect local water bodies, and ensure compliance with environmental regulations. It is important to note that the specific definition and regulations governing water discharge monitoring may vary depending on the region or country. For the purposes of this report, Corteva reports all discharges in the fresh surface water category.*

*[Fixed row]*

### (9.2.9) Within your direct operations, indicate the highest level(s) to which you treat your discharge.

#### Tertiary treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Relevant but volume unknown

### (9.2.9.6) Please explain

*Corteva records all tertiary treatment but a global number is not compiled. Not all wastewater treatment plants use tertiary treatment. Primary and secondary treatments are often sufficient for many purposes. Those that do use tertiary treatment achieve more stringent levels of cleanliness to meet the exacting standards that govern water reuse, especially in public water supplies. Some of our sites treat water using reverse osmosis, Ultrafiltration, or Dissolved Air Flotation system prior to reusing or discharging the water.*

**Secondary treatment****(9.2.9.1) Relevance of treatment level to discharge**

Select from:

- 
- Relevant but volume unknown

**(9.2.9.6) Please explain**

*Corteva records all tertiary treatment but a global number is not compiled. Secondary treatment applies additional biological processes such as aeration and activated sludge treatment prior to discharge. At Corteva, we utilize both aerobic and anaerobic biological treatment to further remove the biodegradable pollutants to meet the regulatory or third-party wastewater treatment effluent limits prior to discharge. Primary and secondary treatments typically get wastewater clean enough to discharge safely into the environment. Treatment varies at a site level to ensure compliance with all regulatory standards.*

**Primary treatment only****(9.2.9.1) Relevance of treatment level to discharge**

Select from:

- 
- Relevant but volume unknown

**(9.2.9.6) Please explain**

*Corteva records all tertiary treatment but a global number is not compiled. At some of our manufacturing facilities, our wastewater is either treated on-site wastewater treatment plant, consisting of primary and secondary treatment, with some additional preliminary methods. Corteva uses primary treatment to remove the suspended solids in wastewater and uses physical processes like filtration, precipitation, Dissolved Air Flotation, and settling to remove grit, debris, oil, grease, and some dissolved solids before the wastewater can be effectively treated in the onsite secondary suspended activated sludge stage or prior to being discharged to a third-party wastewater treatment plant.*

**Discharge to the natural environment without treatment****(9.2.9.1) Relevance of treatment level to discharge**

Select from:

- 
- Not relevant

**(9.2.9.6) Please explain**

RESTRICTED

*This criterion is not relevant to Corteva's direct crop protection operations.*

## Discharge to a third party without treatment

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Not relevant

### (9.2.9.6) Please explain

*This criterion is not relevant to Corteva's direct crop protection operations.*

## Other

### (9.2.9.1) Relevance of treatment level to discharge

Select from:

Not relevant

### (9.2.9.6) Please explain

*This criterion is not relevant to Corteva's direct crop protection operations.*

*[Fixed row]*

**(9.3) In your direct operations and upstream value chain, what is the number of facilities where you have identified substantive water-related dependencies, impacts, risks, and opportunities?**

## Direct operations

### (9.3.1) Identification of facilities in the value chain stage

Select from:

No, we have not assessed this value chain stage for facilities with water-related dependencies, impacts, risks, and opportunities, and are not planning to do so in the next 2 years

**(9.3.4) Please explain**

*Corteva is not currently reporting the number of facilities where substantive water-related dependencies, impacts, risks, and/or opportunities have been identified. However, we recognize the importance of water as a local issue and its relevance to stakeholders. Depending on the upcoming Corporate Sustainability Reporting Directive (CSRD) requirements for water-related Impact, Risk, and Opportunity (IRO) disclosures, Corteva will work to understand if reporting on these areas is necessary. This will be determined following the completion of our double materiality assessment in 2024.*

**Upstream value chain****(9.3.1) Identification of facilities in the value chain stage**

Select from:

No, we have not assessed this value chain stage for facilities with water-related dependencies, impacts, risks, and opportunities, and are not planning to do so in the next 2 years

**(9.3.4) Please explain**

*Corteva is not currently reporting where in its value-chain water-related dependencies, impacts, risks, and/or opportunities have been identified. However, we recognize the importance of water as a local issue and its relevance to stakeholders. Depending on the upcoming Corporate Sustainability Reporting Directive (CSRD) requirements for water-related Impact, Risk, and Opportunity (IRO) disclosures, Corteva will work to understand if reporting on these areas is necessary. This will be determined following the completion of our double materiality assessment in 2024.*

[Fixed row]

**(9.4) Could any of your facilities reported in 9.3.1 have an impact on a requesting CDP supply chain member?**

Select from:

This is confidential

**(9.5) Provide a figure for your organization's total water withdrawal efficiency.****(9.5.1) Revenue (currency)**

17226000000



**(9.5.2) Total water withdrawal efficiency**

516413.35

**(9.5.3) Anticipated forward trend**

*As Corteva's business continues to expand, we are investing in technologies to reduce water withdrawal and increase efficiency, including advanced irrigation, water recycling, and rainwater harvesting. Regular audits help us identify improvement areas. We foresee a positive trend in our water withdrawal efficiency over the next five years as we scale these initiatives, aiming for sustainable water management that benefits our operations, environment, and communities.*

[Fixed row]

**(9.13) Do any of your products contain substances classified as hazardous by a regulatory authority?**

	Products contain hazardous substances
	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

**(9.13.1) What percentage of your company's revenue is associated with products containing substances classified as hazardous by a regulatory authority?**

Row 1

**(9.13.1.1) Regulatory classification of hazardous substances**

Select from:

Federal Water Pollution Control Act / Clean Water Act (United States Regulation)

**(9.13.1.2) % of revenue associated with products containing substances in this list**

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Select from:

Less than 10%

### (9.13.1.3) Please explain

*Company policy requires that all operations fully meet or exceed legal and regulatory requirements. Management has noted a global upward trend in the amount and complexity of environmental laws and regulations. Such rules are subject to change by the implementing governmental agency, and the company monitors these changes closely. Corteva implements voluntary programs to reduce air emissions, minimize the generation of hazardous waste, decrease the volume of water use and discharges, increase the efficiency of energy use, and reduce the generation of persistent, bio accumulative, and toxic materials. Each site actively monitors and adheres to relevant local regulations concerning wastewater discharges, the generation, storage, handling, transportation, treatment, disposal, and remediation of hazardous substances and waste materials. Corteva incurs environmental operating costs for pollution abatement activities including waste collection and disposal, installation and maintenance of air pollution controls and wastewater treatment, emissions testing and monitoring, and obtaining permits. The company also incurs environmental operating costs related to environmental-related research and development activities including environmental field and treatment studies as well as toxicity and degradation testing to evaluate the environmental impact of products and raw materials.*

[Add row]

## (9.14) Do you classify any of your current products and/or services as low water impact?

### (9.14.1) Products and/or services classified as low water impact

Select from:

Yes

### (9.14.2) Definition used to classify low water impact

*Corteva classifies its products and services as low water impact based on a set of sustainable innovation criteria aligned with the UN Sustainable Development Goals (SDGs). These criteria are applied throughout our product development process, enabling us to continuously raise the bar in delivering sustainable solutions to farmers and exceeding global regulatory requirements. Our definition of low water impact products and services involves criteria that go above and beyond regulatory requirements that include low molecular weight, low logD, low aromatase, low regulatory score, bee friendliness, desired solubility, sourcing from the chiral pool, and the use of privileged scaffolds. Our CP and Seed criteria also benchmark our products against existing competitor or our own products via two key aspects: improving water quality and enhancing water-use efficiency against leading products on the market. About 80% of our new CP products currently on the market meet this criterion, thereby improving water quality and reducing the risk to groundwater relative to at least one target benchmark. For our seed products, the criteria focus on improving crop productivity per unit of water, compared to a current standard. All our new seed product offerings meet this criterion, thereby enhancing water-use efficiency. 100% of our new seed products on the market meet these criteria. Our internal decision criteria and processes, informed by lab and field testing, predictive essays, and models, ensure that a product meets these criteria before it is designated as a sustainable innovation. If a product does not meet these criteria, its development is halted. This rigorous approach ensures that we only bring to market*

## RESTRICTED

*products that are safe, sustainable, and have a low impact on water resources. As a result of these practices, we have recently announced that 100% of both our CP and Seed product pipeline have achieved our Sustainable Innovation criteria which we aimed to achieve in 2025. This commitment to sustainable innovation reflects our dedication to stewarding water resources and contributing to a water-secure future. About 80% of Corteva's new crop protection products on the market meet design criteria that improve water quality and reduce the risk to groundwater relative to at least one target benchmark. 100% of Corteva's new seed product offerings on the market meet design criteria that improve water-use efficiency per unit of water, compared to current standards.*

### **(9.14.4) Please explain**

*Corteva's AQUAmax trait technology is designed to improve the water use efficiency of crops by enhancing their ability to capture and retain water, particularly under drought conditions. Corteva introduced Sosdia Stress, a new biological solution that protects row crops from environmentally stressful conditions like drought, heat, excess salinity, and excess sunlight. Crops treated with Sosdia Stress lose less water vapor, maximizing the conversion of water into crop biomass for better yield potential.*  
[Fixed row]

### **(9.15) Do you have any water-related targets?**

Select from:

No, and we do not plan to within the next two years

### **(9.15.3) Why do you not have water-related target(s) and what are your plans to develop these in the future?**

#### **(9.15.3.1) Primary reason**

Select from:

Important but not an immediate business priority

#### **(9.15.3.2) Please explain**

*Approximately 80% of our new crop protection products are designed to meet criteria that enhance water quality and minimize groundwater risk, surpassing existing baseline benchmarks. Furthermore, 100% of new seed products in our pipeline are crafted to exceed existing standards in wateruse efficiency. These criteria are not only in place to support growers who may be at risk due to seasonal and longer term droughts, but also to fortify our supply chain to our customers, who rely on our innovations to manage water stress effectively. Learn more about Corteva's product-level sustainable innovation criteria on Pg. 83 of our 2023 Sustainability Report.*  
[Fixed row]

### C13. Further information & sign off

(13.1) Indicate if any environmental information included in your CDP response (not already reported in 7.9.1/2/3, 8.9.1/2/3/4, and 9.3.2) is verified and/or assured by a third party?

	Other environmental information included in your CDP response is verified and/or assured by a third party
	Select from: <input checked="" type="checkbox"/> Yes

[Fixed row]

(13.1.1) Which data points within your CDP response are verified and/or assured by a third party, and which standards were used?

Row 1

#### (13.1.1.1) Environmental issue for which data has been verified and/or assured

Select all that apply

- Climate change
- Water

#### (13.1.1.2) Disclosure module and data verified and/or assured

**Environmental performance – Climate change**

- Base year emissions
- All data points in module 7

#### (13.1.1.3) Verification/assurance standard

RESTRICTED  
General standards

ASAE 3000

Climate change-related standards

ISO 14064-3

#### (13.1.1.4) Further details of the third-party verification/assurance process

*Data and information supporting the CO2 equivalent assertion were estimated and historical in nature. The organizational boundary was established following the operational control consolidation approach. Location/boundary of the activities: Global. Physical infrastructure, activities, technologies and processes of the organization: Operational facilities, research centers and offices. GHG sources, sinks and/or reservoirs included: Scope 1 & Scope 2 Scope 3: Category 1 – Purchased Goods and Services Category 2 – Capital Goods Category 3 – Fuel and Energy activities not included in scope 1 or scope 2. Category 4 – Upstream Transportation and Distribution Category 5 – Waste Generated in Operations Category 6 – Business Travel Category 7 – Employee Commuting Category 9 – Downstream Transportation and Distribution*

#### (13.1.1.5) Attach verification/assurance evidence/report (optional)

*DOC-Corteva\_2023\_Third\_Party\_Assurance\_Statement-Global.pdf*  
[Add row]

**(13.3) Provide the following information for the person that has signed off (approved) your CDP response.**

#### (13.3.1) Job title

*Chief Strategy Officer*

#### (13.3.2) Corresponding job category

Select from:

Other C-Suite Officer

[Fixed row]