

W0. Introduction

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W0.1

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**(W0.1) Give a general description of and introduction to your organization.**

FMC Corporation is a specialty company serving global agricultural markets by providing innovative solutions, applications and quality products for more than 130 years. On November 1, 2017 FMC acquired a significant portion of DuPont's Crop Protection business. In March 2019, FMC completely divested its Lithium business to become a pure play Agricultural Sciences Company. FMC employs approximately 6,500 people throughout the world. FMC's 2019 revenue totalled approximately USD\$ 4.6 billion. FMC's product line helps meet the food and nutrient needs of a growing population as it provides innovative and cost-effective solutions to enhance crop yields and quality by controlling a broad spectrum of insects, weeds and diseases, as well as non-agricultural solutions for pest control. [\[SK1\]](#) Sustainability is an enduring, fundamental part of FMC's structure, built into who we are as a company. We continue to integrate sustainability into our innovation, operations, and business practices, which strengthens our business performance and aligns with our corporate strategy. FMC's progress helps us to address some of the world's major global challenges. With our customers' use of our products and changes to our business operations, we are addressing six "major global challenges" that are among society's most profound concerns and have significant implications. They are 1) Food Expectations: Food and crop production must meet the basic needs of a rapidly-growing population and socio-economically diverse population that seek a wider array of nutritional options. 2) Health and Safety Expectations: The need for reduced worker exposure, control of pests known to negatively impact human health. 3) Environmental Consciousness: Growing interest in natural and benign materials is driving the need for new, improved, bio-based products that reduce environmental impacts. 4) Climate Change: Reduction in greenhouse gas emissions is a necessary step in mitigating climate-warming trends. 5) Scarce Resources: To cope with limited availability of fresh water, energy, forests and other essential resources, we must carefully manage them and use more renewable alternatives. 6) Land Competition: Urbanization to accommodate a growing population and poor land management techniques limit the amount of arable land available for agriculture, which intensifies the need to increase farmland productivity and crop yields. Each of these challenges shapes the way FMC does business. FMC takes a focused approach to link the "major global challenges" with the United Nations Sustainable Development Goals (SDGs). This includes a detailed review of SDG #2 and #15, and their associated targets on which FMC can make a positive impact. FMC is committed to continuing to do its part to address climate change and its impacts. In 2019 we set new environmental goals to reflect the changes to our business with the acquisition of the DuPont Crop Protection Business and the separation of the FMC Lithium business. Our new goals aim to achieve a 20% reduction in water use intensity (on a per ton product basis) at high risk water sites, as defined by WRI's Aquaduct tool, by 2030, compared to our 2018 baseline year.

FMC representatives may from time to time make written or oral statements that are "forward-looking" and provide other than historical information. Such statements are based on our current views and assumptions regarding future events, future business conditions and the outlook for FMC based on currently available information. These statements involve known and unknown risks, uncertainties and factors that may cause actual results to be materially different from any results, levels of activity, performance or achievements expressed or implied by any forward-looking statement. We wish to caution readers not to place undue reliance on any such forward-looking statements, which speak only as of the date made.

W0.1 - Is background on DuPont acquisition and Lithium Business divestiture still necessary to include? FMC's 2020 sustainability report does not mention any of this background as it has been several years past already.

W-CH0.1a

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**(W-CH0.1a) Which activities in the chemical sector does your organization engage in?**

Other, please specify (Specialty chemicals)

W0.2

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**(W0.2) State the start and end date of the year for which you are reporting data.**

	Start date	End date
Reporting year	January 1 2020	December 31 2020

W0.3

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**(W0.3) Select the countries/areas for which you will be supplying data.**

- Australia
- Brazil
- China
- Denmark
- France
- Germany
- India
- Indonesia
- Italy
- Pakistan
- Philippines
- Russian Federation
- Thailand
- United Kingdom of Great Britain and Northern Ireland
- United States of America

**W0.4**

**(W0.4) Select the currency used for all financial information disclosed throughout your response.**

USD

**W0.5**

**(W0.5) Select the option that best describes the reporting boundary for companies, entities, or groups for which water impacts on your business are being reported.**

Companies, entities or groups over which operational control is exercised

**W0.6**

**(W0.6) Within this boundary, are there any geographies, facilities, water aspects, or other exclusions from your disclosure?**

No

**W1. Current state**

**W1.1**

**(W1.1) Rate the importance (current and future) of water quality and water quantity to the success of your business.**

	Direct use importance rating	Indirect use importance rating	Please explain
Sufficient amounts of good quality freshwater available for use	Vital	Important	FMC regularly evaluates the required water quality and quantity necessary for daily business operations and has taken action to reduce absolute water use by investing in water reuse and recycling projects. Access to sufficient quantity of good quality freshwater is critical for our operations. It is the primary use in direct operations including and vital as it is required to make many of our active ingredients and products. Direct use that we consider vital includes: • Water is the main source of cooling for many of our unit operations. • Water is used as a process fluid for many of our operations and must meet certain quality specifications. For indirect operations, access to sufficient quality fresh water is important to our operations. We consider this important since: • Water is used by large number of employees for indirect processes use throughout our worldwide operation. FMC understands the importance of minimizing water use, as apparent in our sustainability goals. In future, we plan to use less water however we do not anticipate no reliance on said water. As such, we expect these rankings to be the same in the future, with an overall less volume utilized.
Sufficient amounts of recycled, brackish and/or produced water available for use	Not important at all	Not important at all	No recycled, brackish and/or produce water are available for use in direct operations, as such, they are not used. No recycled, brackish and/or produce water are available for use in indirect operations, as such, they are not used. Because recycled, brackish and/or produced water are available for use in direct and indirect operations, this is classified as not important at all and of no use.

**W1.2**

**(W1.2) Across all your operations, what proportion of the following water aspects are regularly measured and monitored?**

	% of sites/facilities/operations	Please explain
Water withdrawals – total volumes	100%	FMC currently measures site level water withdrawal volumes and reports total water withdrawal volumes
Water withdrawals – volumes by source	100%	FMC currently measures sit level water withdrawal volumes and reports total water withdrawal volumes. Water withdrawal by source is also tracked and publicly reported (e.g. in our CDP report).
Entrained water associated with your metals & mining sector activities - total volumes [only metals and mining sector]	<Not Applicable>	<Not Applicable>
Produced water associated with your oil & gas sector activities - total volumes [only oil and gas sector]	<Not Applicable>	<Not Applicable>
Water withdrawals quality	100%	The quality of the water withdrawn from various sources are monitored regularly at the sites. Any violation to the quality requirement is reported to Corporate.
Water discharges – total volumes	100%	FMC measures quantities of treated water after use back to the original water bodies in some of our large manufacturing sites.
Water discharges – volumes by destination	Not monitored	Some of the FMC sites monitor the amount of water returned to the sources, but we do not consistently track this amount across all our sites.
Water discharges – volumes by treatment method	Not monitored	Some of the FMC sites monitor the amount of water returned to the sources, but we do not consistently track this amount across all our sites.
Water discharge quality – by standard effluent parameters	100%	FMC measures quality of water discharged to the source, as required by permits, at all our locations. This value is reported to applicable agencies as required by the permits.
Water discharge quality – temperature	100%	FMC measures the water temperature as part of the water quality measurement before discharging to the source. This may also be dictated by any applicable permits. All data associated with permits is submitted to the applicable regulatory agency.
Water consumption – total volume	Not monitored	FMC does not measure the actual amount of water consumed. Water is consumed in manufacturing process steps, as part of produced products, and evaporation loss.
Water recycled/reused	Not monitored	FMC has implemented a project to recycle and reuse condensate water at our Manati site. However FMC does not consistently measure the water recycling rate throughout the organization.
The provision of fully-functioning, safely managed WASH services to all workers	100%	FMC provides water for employee Wash use at all its locations.

**W1.2b**

**(W1.2b) What are the total volumes of water withdrawn, discharged, and consumed across all your operations, and how do these volumes compare to the previous reporting year?**

	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Total withdrawals	1517	About the same	Within 5% of 2019 Total withdrawals
Total discharges	0	About the same	FMC does not separately measure and report water discharged. However, it is expected to be about the same because of about the same water withdrawals.
Total consumption	0	About the same	FMC does not separately measure and report water consumed. However, several sites undertook projects to reduce water consumption, such as recycling water for cooling towers and condensate recovery.

**W1.2d**

**(W1.2d) Indicate whether water is withdrawn from areas with water stress and provide the proportion.**

	Withdrawals are from areas with water stress	% withdrawn from areas with water stress	Comparison with previous reporting year	Identification tool	Please explain
Row 1	Yes	11-25	Lower	WRI Aqueduct	Across all FMC sites with water stress, water conservation and recycling projects in 2020 resulted in a 13.3% decrease in water withdrawals from sites with water stress. At Manati, Puerto Rico, one of the water stress sites, water withdrawals in 2020 were 40.4% lower than in 2019. In 2021, learnings from such site initiatives are being studied for implementation at all FMC water stress sites and more broadly across all FMC operating sites. Also, FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise and our understanding of site specific water situations to identify FMC's high-risk water sites.

**W1.2h**

(W1.2h) Provide total water withdrawal data by source.

	Relevance	Volume (megaliters/year)	Comparison with previous reporting year	Please explain
Fresh surface water, including rainwater, water from wetlands, rivers, and lakes	Relevant		Please select	
Brackish surface water/Seawater	Not relevant	<Not Applicable>	<Not Applicable>	Not a source of water for FMC's operation
Groundwater – renewable	Relevant		Please select	
Groundwater – non-renewable	Not relevant	<Not Applicable>	<Not Applicable>	It is not relevant to our operation. We do not use any non-renewable ground water
Produced/Entrained water	Not relevant	<Not Applicable>	<Not Applicable>	It is not relevant to our operation. Our chemistries does not produce any measurable amount of water.
Third party sources	Relevant		Please select	Municipal water is the only third party water source we use. This water is used for indirect use such as in toilets and is vital for our continued operations.

W-CH1.3

(W-CH1.3) Do you calculate water intensity for your activities in the chemical sector?

Yes

W-CH1.3a

(W-CH1.3a) For your top five products by production weight/volume, provide the following water intensity information associated with your activities in the chemical sector.

**Product type**

Other, please specify (Specialty Chemicals)

**Product name**

Sulfonylureas

**Water intensity value (m3)**

36.7

**Numerator: water aspect**

Total water withdrawals

**Denominator**

Ton

**Comparison with previous reporting year**

This is our first year of measurement

**Please explain**

This is our first year of measurement by product categories. In prior years, water intensity values were measured and reported based on total production from all FMC operating sites. FMC produces chemical products at several operating sites. Based on production volumes from all sites, water intensity values were calculated for top five product categories. In 2020, FMC begins to track our water intensities for our big product families. This data was unavailable prior to 2020. These metrics are used to track water usage at sites in water stress areas as well as sites with the largest water consumption figures. This enables us to implement various water reduction and recovery initiatives such as reusing condensate, recycling water in other areas of the plants, and replacing water with a different solvent when applicable. With various water reduction initiatives in placed and under investigation, we anticipate that our water intensity will reduce in the upcoming years

**Product type**

Other, please specify (Specialty Chemicals)

**Product name**

Diamides

**Water intensity value (m3)**

26.2

**Numerator: water aspect**

Total water withdrawals

**Denominator**

Ton

**Comparison with previous reporting year**

This is our first year of measurement

**Please explain**

This is our first year of measurement by product categories. In prior years, water intensity values were measured and reported based on total production from all FMC operating sites. FMC produces chemical products at several operating sites. Based on production volumes from all sites, water intensity values were calculated for top five product categories. In 2020, FMC begins to track our water intensities for our big product families. This data was unavailable prior to 2020. These metrics are used to track water usage at sites in water stress areas as well as sites with the largest water consumption figures. This enables us to implement various water reduction and recovery initiatives such as reusing condensate, recycling water in other areas of the plants, and replacing water with a different solvent when applicable. With various water reduction initiatives in placed and under investigation, we anticipate that our water intensity will reduce in the upcoming years

**Product type**

Other, please specify (Specialty Chemicals)

**Product name**

Malathion

**Water intensity value (m3)**

17.7

**Numerator: water aspect**

Total water withdrawals

**Denominator**

Ton

**Comparison with previous reporting year**

This is our first year of measurement

**Please explain**

This is our first year of measurement by product categories. In prior years, water intensity values were measured and reported based on total production from all FMC operating sites. FMC produces chemical products at several operating sites. Based on production volumes from all sites, water intensity values were calculated for top five product categories. In 2020, FMC begins to track our water intensities for our big product families. This data was unavailable prior to 2020. These metrics are used to track water usage at sites in water stress areas as well as sites with the largest water consumption figures. This enables us to implement various water reduction and recovery initiatives such as reusing condensate, recycling water in other areas of the plants, and replacing water with a different solvent when applicable. With various water reduction initiatives in placed and under investigation, we anticipate that our water intensity will reduce in the upcoming years

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**Product type**

Other, please specify (Specialty Chemicals)

**Product name**

Indoxacarb

**Water intensity value (m3)**

162.1

**Numerator: water aspect**

Total water withdrawals

**Denominator**

Ton

**Comparison with previous reporting year**

This is our first year of measurement

**Please explain**

This is our first year of measurement by product categories. In prior years, water intensity values were measured and reported based on total production from all FMC operating sites. FMC produces chemical products at several operating sites. Based on production volumes from all sites, water intensity values were calculated for top five product categories. In 2020, FMC begins to track our water intensities for our big product families. This data was unavailable prior to 2020. These metrics are used to track water usage at sites in water stress areas as well as sites with the largest water consumption figures. This enables us to implement various water reduction and recovery initiatives such as reusing condensate, recycling water in other areas of the plants, and replacing water with a different solvent when applicable. With various water reduction initiatives in placed and under investigation, we anticipate that our water intensity will reduce in the upcoming years

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**Product type**

Other, please specify (Specialty Chemicals)

**Product name****Water intensity value (m3)**

1.3

**Numerator: water aspect**

Total water withdrawals

**Denominator**

Ton

**Comparison with previous reporting year**

This is our first year of measurement

**Please explain**

This is our first year of measurement by product categories. In prior years, water intensity values were measured and reported based on total production from all FMC operating sites. FMC produces chemical products at several operating sites. Based on production volumes from all sites, water intensity values were calculated for top five product categories. In 2020, FMC begins to track our water intensities for our big product families. This data was unavailable prior to 2020. These metrics are used to track water usage at sites in water stress areas as well as sites with the largest water consumption figures. This enables us to implement various water reduction and recovery initiatives such as reusing condensate, recycling water in other areas of the plants, and replacing water with a different solvent when applicable. With various water reduction initiatives in placed and under investigation, we anticipate that our water intensity will reduce in the upcoming years

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**W1.4****(W1.4) Do you engage with your value chain on water-related issues?**

Yes, our suppliers

Yes, our customers or other value chain partners

**W1.4a**

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**(W1.4a) What proportion of suppliers do you request to report on their water use, risks and/or management information and what proportion of your procurement spend does this represent?**

**Row 1**

**% of suppliers by number**

Less than 1%

**% of total procurement spend**

26-50

**Rationale for this coverage**

FMC sources high value Active Ingredients and intermediates from select number of third party companies. We track their water use monthly. FMC specifically selected the third party companies due to the fact they provide high Value Ingredients, which is based on revenue expectations as well as make up a large portion of FMC spend. These suppliers are incentivized to submit this data based on contractual obligations, as such, they comply with these requirements. The suppliers agreement to provide such information was part of the evaluation process for selection, along with many other components. Therefore, if suppliers agree to supplying this, they will be evaluated based on this and potentially selected as a supplier. FMC sources high value Active Ingredients and intermediates from select number of third party companies. We track their water use monthly. This information is used to track and rank key suppliers towards their environmental impact, cost of goods sold, total impact on production, and also determine which suppliers are world class environmental performers.

**Impact of the engagement and measures of success**

FMC provides the technology and investment to these AI contract manufacturing partners. We track their consumption of resources, including water use, and provide them with feedback on how to manage its use. This information is used as part of the overall evaluation of our suppliers, which FMC performs at a minimum annually. During this evaluation, FMC will review the supplier performance to ensure compliance with the contract requirements. FMC measures success of our partners by the amount of product produced and that the water use reported is aligned with the volume of product; this would signify an efficient operations.

**Comment**

We are currently not reporting the water use by our AI contract manufacturing sites.

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**W1.4b**

**(W1.4b) Provide details of any other water-related supplier engagement activity.**

**Type of engagement**

Onboarding & compliance

**Details of engagement**

Requirement to adhere to our code of conduct regarding water stewardship and management  
Other, please specify (Disclosure of water related metrics)

**% of suppliers by number**

1-25

**% of total procurement spend**

1-25

**Rationale for the coverage of your engagement**

FMC manufactures substantial amount of its products through tolling operation. The water conversation at its tolling partners sites will significantly reduce water consumption the supply chain. Because of the volume of production made with our tolling partners, supervision is required.

**Impact of the engagement and measures of success**

The measure is still being implemented, with the water disclosure clause incorporated in our contracting template. We have not measured the impact at this time however we expect that having this information will help us evaluate the overall performance of our partners. This information, along with others, will be utilized for any contract negotiation and/or extensions. FMC anticipates that the beneficial outcome of engagement with our suppliers will provide incentive for efficiencies in production which could result in overall reduction of water used in production, hence potentially reducing waste generated. This would have a beneficial impact on FMC's sustainability commitments. Success with the supplier would be a comparison of annual water used prior to signing the contract compared to water use the year following signing the contract. If the amount is reduced, this would be measured as successful.

**Comment**

This is currently an ongoing process, started in 2019

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**W1.4c**

**(W1.4c) What is your organization's rationale and strategy for prioritizing engagements with customers or other partners in its value chain?**

FMC recognizes that water security is extremely important for our operations as well as for our customers. Many of our operating sites fall in high-risk areas, and conserving water is of immense importance to us. Due to climate change, availability of water to our farmers are also a key factor and therefore we work towards designing our products that will save water to our value chain partners. FMC prioritizes engagements with partners in our value chain based on how much product is produced and hence forth, the focus on these partners. As stated in the sections above, one factor may be the amount of material produced and includes a focus on tollers. These partners in our value chain are engaged via relationships and contracts. Partners are evaluated at a minimum annually. In addition, as stated in Section W.1.4B FMC is currently adding contract language concerning water usage for our suppliers. Another method that FMC engages with our customers is the use of the evaluation tool EcoVadis. This is a yearly survey which includes many aspects of sustainability, including sustainable performance. FMC major B2B customers utilize EcoVadis and FMC provides them with access to our scorecard. Engagement success is measured by relationships, or networks, connected in EcoVadis as well as meeting customers needs for providing adequate performance. This is considered successful if customers who use EcoVadis continue to do business with FMC. . The score, as well as FMC's score are provided to customers to assess our performance in the various categories. One of our technologies, known as 3RIVE 3D®, advances precision agriculture. It uses 90 to 95 percent less water than traditional liquid systems for pesticide delivery, which means fewer refills and reduced risk of runoff, which is beneficial for areas facing water challenges.

## W2. Business impacts

### W2.1

**(W2.1) Has your organization experienced any detrimental water-related impacts?**

No

### W2.2

**(W2.2) In the reporting year, was your organization subject to any fines, enforcement orders, and/or other penalties for water-related regulatory violations?**

No

## W3. Procedures

### W-CH3.1

**(W-CH3.1) How does your organization identify and classify potential water pollutants associated with its activities in the chemical sector that could have a detrimental impact on water ecosystems or human health?**

On a regular basis, FMC monitors and measures key characteristics of FMC operations (identified within each site and business), products and activities that can have a significant effect on health, safety, security and the environment. At the facility level, FMC meets all federal, state, local and foreign regulatory standards for discharge water quality. To ensure water quality levels are maintained and systems are monitored to prevent spillage or leakage, FMC conducts an Environmental Hazard and Risk Assessment (H&RA) at the site level, which includes the recording of information to track performance, relevant operational controls, and conformance with the health, safety, security and environmental objectives, targets and programs. Corporate Environmental, Health and Safety Managers are responsible for monitoring federal environmental, health and safety regulations and notifying sites and the site leadership teams of changes so that the sites can update their respective H&RA if it becomes necessary as a result of new regulation or a change in a regulation. Site Environmental, Health and Safety Managers are responsible for monitoring state and local environmental, health and safety regulations and revising their respective H&RA if deemed necessary by a new or changed state or local regulation. On a monthly basis, FMC site and Corporate review environmental, health and safety performance.

### W-CH3.1a

**(W-CH3.1a) Describe how your organization minimizes adverse impacts of potential water pollutants on water ecosystems or human health. Report up to ten potential pollutants associated with your activities in the chemical sector.**

Potential water pollutant	Value chain stage	Description of water pollutant and potential impacts	Management procedures	Please explain
Spills or discharges from operation activity including chemical agents that may have potential to negatively modify/contaminate water bodies or water ecosystems or affect human health At the facility level FMC monitors and ensures that all federal, state, local and foreign regulations are met.	Direct operations	FMC's operations, if not managed properly have the potential to negatively impact the surrounding health, safety and environment through discharges to land or water, handling, treatment, disposal and remediation of hazardous waste and other materials. One potential impact of mismanaged chemical agents is the health and safety of our site workers	Compliance with effluent quality standards Measures to prevent spillage, leaching, and leakages	FMC regularly evaluates the required water quality and quantity necessary for daily business operations. To ensure water quality levels are maintained and systems are monitored to prevent spillage or leakage, FMC conducts an Environmental Hazard and Risk Assessment (H&RA) at the site level, which includes the recording of information to track performance, relevant operational controls, and conformance with the health, safety, security and environmental objectives, targets and programs. This also includes measuring and monitoring discharge water quality for compliance with local regulatory standards. FMC has developed Environmental Standards which provide processes for manages these risks. For instance, if a spill is encountered, FMC personnel would refer to the Incident Management Standard. Examples of impacts of spill, for instance, could be contamination of a nearby waterway, or risk to an employee. These risks are mitigated with site best management practices that are specific to the operating sites. FMC measures success by having a minimal, if not no potential spills and no impacts to any water bodies.
FMC products, insecticides and fungicides, are regulated. FMCs products are used per our product specifications do not have the physical, biological, or chemical that have the direct potential to negatively modify/contaminate water bodies and/or water ecosystems or affect human health.	Product use	FMC's products, if used improperly have the potential to negatively impact the surrounding soil and water qualities. An example would be if a product is not used properly, i.e., per the product specification standards for use rate or volume, a large rain event could occur, and if there is excess product, it could migrate to adjacent land or waterways	Providing best practices instructions on product use R&D into less harmful alternative products	FMC ensures that product stewardship is integrated into our business processes and used to identify, manage and minimize the environmental, health and safety impacts of a product at every stage of its life cycle. FMC is committed to promoting effective stewardship in the field, and the appropriate management and use of our products supports sustainable agriculture, safeguards the environment and promotes public health. Several years ago, FMC developed the Product Stewardship and Sustainability Assessment tool to measure and accelerate sustainability in FMC's research and development. The tool assesses the sustainability of a product from initial concept through each stage of development. It is a comparative analysis using products currently on the market, and it considers the life cycle of the product, including risks to human health and the environment. FMC is committed to introducing products that control only target pests and promote ecosystem and human health. Several years ago, FMC developed the Product Stewardship and Sustainability Assessment tool to measure and accelerate sustainability in FMC's research and development. The tool assesses the sustainability of a product from initial concept through each stage of development. It is a comparative analysis using products currently on the market, and it considers the life cycle of the product, including risks to human health and the environment. FMC is committed to introducing products that control only target pests and promote ecosystem and human health.

## W3.3

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### (W3.3) Does your organization undertake a water-related risk assessment?

Yes, water-related risks are assessed

## W3.3a

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### (W3.3a) Select the options that best describe your procedures for identifying and assessing water-related risks.

#### Direct operations

##### Coverage

Full

##### Risk assessment procedure

Water risks are assessed in an environmental risk assessment

##### Frequency of assessment

Annually

##### How far into the future are risks considered?

Up to 1 year

##### Type of tools and methods used

Tools on the market

##### Tools and methods used

WRI Aqueduct

WWF Water Risk Filter

##### Comment

To understand FMC's exposure to water risk and learn how to mitigate those potential risks, FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise and our understanding of site specific water situations to identify FMC's high-risk water sites. In 2020, we also conducted an in-depth qualitative survey to assess imminent risk to each of our high-risk water sites. Through the survey, we concluded that there is no imminent risk of disruption to operations due to water-related issues.

#### Supply chain

##### Coverage

Partial

##### Risk assessment procedure

Water risks are assessed as part of an enterprise risk management framework

##### Frequency of assessment

Annually

##### How far into the future are risks considered?

1 to 3 years

##### Type of tools and methods used

Tools on the market

Enterprise Risk Management

##### Tools and methods used

WRI Aqueduct

Other, please specify (Internal company methods)

##### Comment

FMC's Enterprise Risk Management Group conducts a company-wide enterprise risk assessment to reduce FMC's exposure to risk factors, which are generally disclosed in our 10-K. The assessment process includes engaging with FMC business functions globally on many issues, including risks and opportunities associated with climatic conditions, water supply, resource efficiency, and health and safety influencing raw material supplies.



**Other stages of the value chain**

**Coverage**

Partial

**Risk assessment procedure**

Water risks are assessed as part of an enterprise risk management framework

**Frequency of assessment**

Annually

**How far into the future are risks considered?**

1 to 3 years

**Type of tools and methods used**

Enterprise Risk Management

**Tools and methods used**

Other, please specify (Internal company methods)

**Comment**

FMC's Enterprise Risk Management Group conducts a company-wide enterprise risk assessment to reduce FMC's exposure to risk factors, which are generally disclosed in our 10-K. The assessment process includes engaging with FMC business functions globally on many issues, including risks and opportunities associated with climatic conditions affecting customer preference for agricultural chemical products due to drought or excessive rains.

**W3.3b**

**(W3.3b) Which of the following contextual issues are considered in your organization's water-related risk assessments?**

	Relevance & inclusion	Please explain
Water availability at a basin/catchment level	Relevant, always included	FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise in regulatory-, availability- and quality-risks and our understanding of site-specific water situations to identify FMC's high-risk water sites. Understanding these water situations, including water availability at a basin/catchment level are imperative for operations of our sites to determine water availability as well as water discharge.
Water quality at a basin/catchment level	Relevant, always included	FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise in regulatory-, availability- and quality risks and our understanding of site-specific water situations to identify FMC's high-risk water sites. Understanding these water situations, including water quality at a basin/catchment level are imperative for operations of our sites to determine water quality which may be used in operations.
Stakeholder conflicts concerning water resources at a basin/catchment level	Relevant, always included	The Sustainability Group conducts a biannual materiality assessment to determine key topics – those reflecting the company's economic, environmental and social impacts, that could influence the decisions of stakeholders. Through a series of interviews and meetings with internal stakeholders, including executives, legal counsel, environmental health and safety professionals, business representatives and formal surveys of employees and external stakeholders, we identified water sourcing and use as one of the material topics. The findings from the annual materiality assessment are reported to FMC's executive leadership and Board of Directors and included in the annual sustainability report.
Implications of water on your key commodities/raw materials	Relevant, always included	FMC's Enterprise Risk Management Group conducts a company-wide enterprise risk assessment to reduce FMC's exposure to risk factors, which are generally disclosed in our 10-K. The assessment process includes engaging with FMC business functions globally on many issues, including risks and opportunities associated with climatic conditions affecting customer preference for agricultural chemical products due to drought or excessive rains. Findings from this assessment are reported to the Risk Council, FMC's executive leadership and Board of Directors three times a year, and includes factors like climate change, food supply, resource efficiency, product environmental impact, and health and safety.
Water-related regulatory frameworks	Relevant, always included	FMC's Enterprise Risk Management Group conducts a company-wide enterprise risk assessment to reduce FMC's exposure to risk factors, which are generally disclosed in our 10-K. The assessment process includes engaging with FMC business functions globally on many issues, including risks and opportunities associated with environmental compliance including federal, state, local and foreign environmental and safety laws, regulations, directives, rules and ordinance concerning among other things, discharges to land and water, and the generation, handling, treatment, disposal and remediation of hazardous wastes and other materials. Findings from this assessment are reported to the Risk Council, FMC's executive leadership and Board of Directors three times a year, and includes factors like climate change, food supply, resource efficiency, product environmental impact, and health and safety. Additionally, the Sustainability Group conducts a biannual materiality assessment to determine key topics – those reflecting the company's economic, environmental and social impacts, that could influence the decisions of stakeholders. Through a series of interviews and meetings with internal stakeholders, including executives, legal counsel, environmental health and safety professionals, business representatives and formal surveys of employees and external stakeholders, we analyzed potential material topics, including regulatory frameworks and water. The findings from the materiality assessment are reported to FMC's executive leadership and Board of Directors and included in the annual sustainability report.
Status of ecosystems and habitats	Relevant, always included	FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise in regulatory-, availability- and quality-risks and our understanding of site specific water situations to identify FMC's high-risk water sites. We are actively engaging with the communities and local authorities to ensure our facilities have rigorous water management strategies, and we have made significant progress towards our 2030 goal of 20 percent reduction in water use intensity. Additionally, the Sustainability Group conducts bi-annual materiality assessments to determine key topics – those reflecting the company's economic, environmental and social impacts, that could influence the decisions of stakeholders. The status of ecosystems habitat is vital to understand the surrounding areas in which operations occur to ensure the measures are in place at the facilities to minimize the potential for any negative impacts.
Access to fully-functioning, safely managed WASH services for all employees	Relevant, always included	FMC is committed to providing clean and safe sanitation facilities for our employees. The Sustainability Group conducts biannual materiality assessment to determine key topics – those reflecting the company's economic, environmental and social impacts, that could influence the decisions of stakeholders. Through a series of interviews and meetings with internal stakeholders, including executives, legal counsel, environmental health and safety professionals, business representatives and formal surveys of employees and external stakeholders, we analyzed potential material topics, including working environment and access to clean and safe sanitation and personal hygiene for all employees.
Other contextual issues, please specify	Not relevant, explanation provided	There are no other contextual issues

**W3.3c**

**(W3.3c) Which of the following stakeholders are considered in your organization's water-related risk assessments?**

	Relevance & inclusion	Please explain
Customers	Relevant, always included	FMC considers impact of water related risks in its product and services strategy offered to our customer. Water related issues, such as drought or flooding may impact markets in which we sell our products, where, for example, a prolonged drought may result in decreased demand for our products. Our markets are affected by water related issues, which could adversely impact crop pricing and pest infestations. As a leading agricultural sciences company, we are committed to responding to customers' evolving needs with respect to water related issues. We are committed to developing sustainable solutions that can effectively increase farmers' yields and provide cost-effective alternatives even during water related events.
Employees	Relevant, always included	FMC's Risk, Control and Audit Group (RC&A) conducts risk assessment to report on FMC's exposure to risk factors, including operational risk out of non availability of water at our sites affecting our employees (labor difficulty). In addition, using our bi-annual Materiality Assessment by conducting a series of interviews and meetings with internal stakeholders, including executives, legal counsel, environmental health and safety professionals, business representatives and formal surveys of employees and external stakeholders, we identified water sourcing and use as one of the material topics. The findings from the annual materiality assessment were reported to FMC's executive leadership and Board of Directors and included in the annual sustainability report.
Investors	Relevant, always included	FMC regularly engages with investors on various topics including ESG risks and opportunities. In January 2020, we held multiple board outreach calls (representing approximately 45 percent of our shareholders) and also organized an ESG roadshow with investors later in the year. FMC engages with investors with these topics out of both our corporate responsibility. In addition, FMC is ranks on various different components by our investors, and as such, these communications and disclosures are essential for our business.
Local communities	Relevant, always included	FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise in regulatory-, availability- and quality-risks and our understanding of site specific water situations to identify FMC's high-risk water sites. We are actively engaging with the communities and local authorities to ensure our facilities have rigorous water management strategies, and we are making progress towards our 2030 goal of 20 percent reduction in water use intensity. Since FMC operates in these local communities it is very important to communicate our operations for various reasons including, if there is an emergency and assistance is needed to respond, to ensure that we follow all local regulations as necessary as well as out of our corporate responsibility.
NGOs	Relevant, always included	FMC utilizes the WRI Aqueduct tool to identify and address water-related regulatory and reputational matters in the regions where we operate. In addition, FMC is a member of CropLife International (CLI), a global trade association of agrochemical companies representing the plant science industry. On the industry's behalf, they address international developments in crop protection and agricultural biotechnology and promote approaches that enhance sustainable agriculture in the interests of agricultural producers, consumers and the environment. Representatives from FMC serve on CLI's Board of Directors, Strategy Councils and steering committees (e.g., Communications, Stewardship, Regulatory, Multilateral Affairs, Operations) alongside representatives from other member companies. Through CropLife, we focus on addressing issues such as biodiversity, food security and climate change.
Other water users at a basin/catchment level	Relevant, always included	FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise in regulatory-, availability- and quality-risks and our understanding of site specific water situations to identify FMC's high-risk water sites. We are actively engaging with the communities and local authorities to ensure our facilities have rigorous water management strategies, and we are making progress towards our 2030 goal of 20 percent reduction in water use intensity. This interaction and communication is essential, if our sites are discharging into any waterways and/or utilizing high volumes of locally supplied water to ensure that we are compliant with any local regulations.
Regulators	Relevant, always included	FMC engages directly with regulators on our sites that have permit requirements for use and/or discharges of water. This is essential to keep our operations in compliance with applicable regulations, interactions include, submission of data, reports, etc. as well as any site visits directed by the regulators. An example of this would be our site located in Mobile, Alabama, where the regulatory agency, ADEM, performed a site inspection of the entire site, including our discharge points. FMC also keeps abreast of regulatory changes through our annual Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise in regulatory-, availability- and quality-risks and our understanding of site specific water situations to identify FMC's high-risk water sites. We are actively engaging with the communities and local authorities to ensure our facilities have rigorous water management strategies, and we are making progress towards our 2030 goal of 20 percent reduction in water use intensity.
River basin management authorities	Relevant, always included	FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise in regulatory-, availability- and quality-risks and our understanding of site specific water situations to identify FMC's high-risk water sites. We are actively engaging with the communities and local authorities to ensure our facilities have rigorous water management strategies, and we are making progress towards our 2030 goal of 20 percent reduction in water use intensity. This active engagement is required to ensure that we are operating in compliance with any river basin regulatory requirements.
Statutory special interest groups at a local level	Relevant, always included	FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise in regulatory-, availability- and quality-risks and our understanding of site specific water situations to identify FMC's high-risk water sites. We are actively engaging with the communities and local authorities to ensure our facilities have rigorous water management strategies, and we are making progress towards our 2030 goal of 20 percent reduction in water use intensity. FMC recognizes the importance of involving local level special interest groups.
Suppliers	Relevant, always included	FMC recognizes that major components of the environmental and social footprint exist outside its own manufacturing. As the network grows in scale and complexity, there is increasing opportunity for collaboration with the supply chain. Currently FMC measures water use by our active ingredient contract manufacturers (i.e., suppliers) in addition to energy, greenhouse gas emissions and waste. FMC engages suppliers through surveys, category management, regular meetings. Suppliers are engaged in our procurement process which includes contractual requirements that may be included to address any water related issues.
Water utilities at a local level	Relevant, always included	FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise in regulatory-, availability- and quality-risks and our understanding of site specific water situations to identify FMC's high-risk water sites. We are actively engaging with the communities and local authorities to ensure our facilities have rigorous water management strategies, and we are making progress towards our 2030 goal of 20 percent reduction in water use intensity. In order for FMC to operate it is imperative to communicate with the local water utilities, since they are involved with providing water to the site and may even require maintenance to a water main that could impact the operations. As such, FMC makes sure to have contacts at the local water authority to ensure our operations can continue to run smoothly.
Other stakeholder, please specify	Not relevant, explanation provided	There are no other relevant stakeholders considered as part of the water-risk assessment

**W3.3d**

**(W3.3d) Describe your organization's process for identifying, assessing, and responding to water-related risks within your direct operations and other stages of your value chain.**

It is well known that rapid urbanization and climate change are creating substantial concerns about water availability in specific areas of the world. FMC works to address the major global challenges and the UN Sustainable Development Goals (SDGs) at our manufacturing sites by conserving resources and reducing our footprint. UN SDG 15 targets "life on land" and seeks to ensure the conservation, restoration and sustainable use of terrestrial and inland freshwater ecosystems. To understand FMC's exposure to water risk and learn how to mitigate those potential risks, we annually conduct a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute's (WRI) "Aqueduct" water mapping tool. The assessment combines WRI's expertise and our understanding of site specific water situations to identify FMC's high-risk water sites. The WRA was first conducted in 2013, but as FMC has changed over time, we have re-assessed our manufacturing sites. In 2020, eleven of our sites fall in the high-risk water category, as defined by the World Resources Institute's aqueduct tool V2.1. In 2020, we conducted an in-depth qualitative survey to assess imminent risk to each of our high-risk water sites. Through the survey, we concluded that there is no imminent risk of disruption to operations due to water-related issues.

## W4. Risks and opportunities

### W4.1

#### (W4.1) Have you identified any inherent water-related risks with the potential to have a substantive financial or strategic impact on your business?

Yes, both in direct operations and the rest of our value chain

### W4.1a

#### (W4.1a) How does your organization define substantive financial or strategic impact on your business?

FMC assesses risks using impact and likelihood definitions defined by the Risk Council to arrive at “enterprise” level risks, those risks are considered substantive and are estimated to have a financial impact of \$50 million or more of EBIT. Impact: Considers the consequences of an event, separate from the likelihood that the event will actually occur. Impact ratings consider risk and control activities in place and whether they operate effectively. FMC rates impact on a five point scale with level of 1 (Minor) to 5 (Critical). The level of impact is determined by the effect on net income, working capital as well as non-financial indicators such as business disruption, legal regulatory compliance and reputational impact. Likelihood: Considers the probability of an event occurring over the next five years, given both the inherent probability and the preventive measures in place. FMC rates likelihood on a five point scale with level of 1 (Remote) to 5 (Likely).

The Sustainability Group conducts biannual materiality assessment that quantitatively and qualitatively analyzes material issues. This assessment was completed in accordance with GRI standards. The assessment was conducted via online surveys with internal and external stakeholders. Internal stakeholders included employees from all major functions, including operations, sales, regulatory affairs and research and development, among others. External stakeholders included customers, investors, consultants and representatives from academia, government, trade associations and non-governmental organizations. We analyzed 22 potential material topics based on GRI, SASB, United Nations Global Compact and other expert recommendations. Respondents were asked to rate topics on a scale of 1-5 based on two dimensions: The importance to the stakeholder when assessing FMC and FMC’s impact on societies, economies and/or ecosystems. Based on the results of the assessment, as well as additional analyses conducted across participant responses, we have identified six core material issues that will help inform the development of FMC’s sustainability strategy and reporting going forward. Three of the six – innovation, stewardship and safety – are foundational to FMC’s business and work with growers across the globe. The remaining three – climate, biodiversity and food security – are areas where we see opportunities to take bigger, bolder steps to affect positive change related to some of the world’s most urgent challenges. In addition to this, our most material topics are reported to FMC’s executive leadership team, Sustainability Steering Committee, Board Sustainability Team and in our Sustainability Report.

The Sustainability Group reports on the company’s energy consumption, GHG emissions, water use and waste generation data. FMC’s sites collect and report this data to the Sustainability Group, ensuring FMC is able to measure its environmental impact. The Sustainability Group conducts water risk assessments, energy audits and social responsibility audits at FMC facilities and results are applied at other sites as needed.

. An example of a substantive impact as it related to water related risks includes the continued availability of water for our operations activities, including our manufacturing site in Ronald, which uses a local waterbody as the source of water for use as well as discharge after treatment on-site. On an asset level, Risk Management conducts an annual risk assessment for our manufacturing sites and physical assets. It has a review process for potential natural catastrophes and possible sources of risks, which are generally disclosed in our 10-K. The Risk Management process has an Enterprise Risk Assessment component, which includes interviews of FMC’s top leaders annually. FMC assesses risks using impact and likelihood definitions as previously defined by the Risk Council to arrive at “enterprise” level risks, those estimated to have a financial impact of \$50 million or more of EBIT. Based on this initial assessment, a preliminary report is presented to the Risk Council. After incorporating the Risk Council’s input, enterprise risks are validated and the top risks prioritized in facilitated workshops with risk owners. These facilitated workshops use voting technology to find greater consensus on key risk impact, likelihood and owner. The final results are reported to the executive committee and Board each year.

### W4.1b

#### (W4.1b) What is the total number of facilities exposed to water risks with the potential to have a substantive financial or strategic impact on your business, and what proportion of your company-wide facilities does this represent?

	Total number of facilities exposed to water risk	% company-wide facilities this represents	Comment
Row 1	11	1-25	To understand FMC’s exposure to water risk and learn how to mitigate those potential risks, we annually conduct a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute’s (WRI) “Aqueduct” water mapping tool. The assessment combines WRI’s expertise and our understanding of site specific water situations to identify FMC’s high-risk water sites. The WRA was first conducted in 2013, but as FMC has changed over time, we have re-assessed our manufacturing sites and today identify 11 facilities in high risk areas. We are actively engaging with the communities and local authorities to ensure our facilities have rigorous water management strategies.

### W4.1c

#### (W4.1c) By river basin, what is the number and proportion of facilities exposed to water risks that could have a substantive financial or strategic impact on your business, and what is the potential business impact associated with those facilities?

##### Country/Area & River basin

China	Yangtze River (Chang Jiang)
-------	-----------------------------

**Number of facilities exposed to water risk**

3

**% company-wide facilities this represents**

1-25

**Production value for the metals & mining activities associated with these facilities**

<Not Applicable>

**% company's annual electricity generation that could be affected by these facilities**

<Not Applicable>

**% company's global oil & gas production volume that could be affected by these facilities**

<Not Applicable>

**% company's total global revenue that could be affected**

21-30

**Comment**

This refers to Jinshan, Suzhou, and Pudong manufacturing sites.

**Country/Area & River basin**

India	Mahi River
-------	------------

**Number of facilities exposed to water risk**

2

**% company-wide facilities this represents**

1-25

**Production value for the metals & mining activities associated with these facilities**

<Not Applicable>

**% company's annual electricity generation that could be affected by these facilities**

<Not Applicable>

**% company's global oil & gas production volume that could be affected by these facilities**

<Not Applicable>

**% company's total global revenue that could be affected**

21-30

**Comment**

This refers to Panoli and Salvi manufacturing sites.

**Country/Area & River basin**

Indonesia	Brantas
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**Number of facilities exposed to water risk**

3

**% company-wide facilities this represents**

1-25

**Production value for the metals & mining activities associated with these facilities**

<Not Applicable>

**% company's annual electricity generation that could be affected by these facilities**

<Not Applicable>

**% company's global oil & gas production volume that could be affected by these facilities**

<Not Applicable>

**% company's total global revenue that could be affected**

1-10

**Comment**

This refers to Surabaya, Ungaran, and Pasuran manufacturing sites.

**Country/Area & River basin**

Puerto Rico	Other, please specify (Groundwater extracted from a well in Manati Puerto Rico)
-------------	---------------------------------------------------------------------------------

**Number of facilities exposed to water risk**

1

**% company-wide facilities this represents**

1-25

**Production value for the metals & mining activities associated with these facilities**

<Not Applicable>

% company's annual electricity generation that could be affected by these facilities

<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities

<Not Applicable>

% company's total global revenue that could be affected

1-10

**Comment**

This refers to the Manati manufacturing site.

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**Country/Area & River basin**

Pakistan	Other, please specify (Ravi)
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**Number of facilities exposed to water risk**

1

% company-wide facilities this represents

1-25

**Production value for the metals & mining activities associated with these facilities**

<Not Applicable>

% company's annual electricity generation that could be affected by these facilities

<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities

<Not Applicable>

% company's total global revenue that could be affected

1-10

**Comment**

This refers to the Lahore manufacturing site.

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**Country/Area & River basin**

Singapore	Other, please specify (Singapore River)
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**Number of facilities exposed to water risk**

1

% company-wide facilities this represents

1-25

**Production value for the metals & mining activities associated with these facilities**

<Not Applicable>

% company's annual electricity generation that could be affected by these facilities

<Not Applicable>

% company's global oil & gas production volume that could be affected by these facilities

<Not Applicable>

% company's total global revenue that could be affected

1-10

**Comment**

This refers to the Tuas manufacturing site.

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**W4.2**

**(W4.2) Provide details of identified risks in your direct operations with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.**

**Country/Area & River basin**

Indonesia	Other, please specify (Java-Timor, Minor Basins: Central Java North Coast, Brantas)
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**Type of risk & Primary risk driver**

Physical	Increased water scarcity
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**Primary potential impact**

Reduction or disruption in production capacity

**Company-specific description**

The three sites in Indonesia have high projected Water Stress (BWS). We do not anticipate any significant adverse impact to our operations

**Timeframe**

More than 6 years

**Magnitude of potential impact**

Medium

**Likelihood**

Unlikely

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

<Not Applicable>

**Potential financial impact figure - minimum (currency)**

<Not Applicable>

**Potential financial impact figure - maximum (currency)**

<Not Applicable>

**Explanation of financial impact**

Our site in Ungaran is relatively important strategically to our business as a form & pack site for multiple chemical products, and thus is prioritized for further analysis of potential water impact. Surabaya and Pasuruan are minor sites; disruptions there would have a relatively minor impact on FMC's profitability.

**Primary response to risk**

Adopt water efficiency, water reuse, recycling and conservation practices

**Description of response**

Throughout our plants in Indonesia, we have undertaken several water conservation projects to minimize water use at our operations.

**Cost of response**

**Explanation of cost of response**

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**Country/Area & River basin**

Mexico	Bravo
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**Type of risk & Primary risk driver**

Physical	Increased water scarcity
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**Primary potential impact**

Reduction or disruption in production capacity

**Company-specific description**

FMC's partner site at Viakem, Mexico has high projected Water Stress (BWS). Water stress may have a moderate impact on operations, since water use is required for production but, since the site is of low criticality to FMC overall, it does not pose a large enterprise risk.

**Timeframe**

More than 6 years

**Magnitude of potential impact**

Medium

**Likelihood**

Unlikely

**Are you able to provide a potential financial impact figure?**

No, we do not have this figure

**Potential financial impact figure (currency)**

<Not Applicable>

**Potential financial impact figure - minimum (currency)**

<Not Applicable>

**Potential financial impact figure - maximum (currency)**

<Not Applicable>

**Explanation of financial impact**

The site at Viakem is an active ingredient manufacturer for two insecticides and a nematicide, thus we could have an impact to profitability due to climate-related impact. However, this site is relatively less critical financially to the others considered in FMC's scenario analysis.

**Primary response to risk**

Adopt water efficiency, water reuse, recycling and conservation practices

**Description of response**

Response would include reviewing the operation activities to determine where potential efficiencies can be included. If efficiencies can be identified, FMC's team of engineers would work with the site personnel to modify said operations and perform any equipment or operational work required.

**Cost of response**

**Explanation of cost of response**

## W4.2a

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**(W4.2a) Provide details of risks identified within your value chain (beyond direct operations) with the potential to have a substantive financial or strategic impact on your business, and your response to those risks.**

## W4.3

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**(W4.3) Have you identified any water-related opportunities with the potential to have a substantive financial or strategic impact on your business?**

Yes, we have identified opportunities, and some/all are being realized

## W4.3a

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**(W4.3a) Provide details of opportunities currently being realized that could have a substantive financial or strategic impact on your business.**

**Type of opportunity**

Efficiency

**Primary water-related opportunity**

Improved water efficiency in operations

**Company-specific description & strategy to realize opportunity**

The list of descriptions for all projects include: Ramp down the HGW ACN and water charging quantity, Use azeotrope or solvent instead of water to back flush the centrifuge in J2, Recovery ACN without neutralization, Bixlozone 1st water wash ml to be recycle as process water in Cyclization step of F-57091Na, Bixlozone 2nd water wash ml from ANF to be recycle as 1st water wash, Re-use condensate from HVAC units in lab as make-up in cooling tower, Re-use condensate from HVAC units in lab as make-up in cooling tower - Stage 2 Rainwater harvesting as supplemental water supply, Rainwater harvesting as supplemental water supply - Stage 2, To reduce quantity from JB SLZ and CRZ line, dry vacuum pumps were installed to replace the original water ring pumps, Installed some tanks and piping to collect the good quality of steam condensate and reuse it to non-main process unit: scrubbers, RTO and agent preparation of ABA bio-pool treatment. Our strategy to improve water efficiency in operations is to focus on water recovery and water reduction projects. There is a great emphasis on improving our current equipment to either reduce water usage or reuse it in other areas of the manufacturing site. By changing to a different solvent and reusing condensate in other process unit, we effectively reduce the water intensity of our products, thereby reducing the water risks faced at our high-water-stress manufacturing sites. This is a strategic opportunity for FMC to implement such projects which ensure the continual future state of operations for these locations as water scarcity can become more prevalent. It would be in FMC's best interest to keep the current sites in operations, since these are strategically tied to our supply plan, have products specifically registered at certain locations and have all the necessary permits, etc. to operate. If FMC is required to operate at a different location, it would take not only capital but also time, which could affect production and as such sales of product.

**Estimated timeframe for realization**

1 to 3 years

**Magnitude of potential financial impact**

Medium

**Are you able to provide a potential financial impact figure?**

Yes, a single figure estimate

**Potential financial impact figure (currency)**

1168515

**Potential financial impact figure – minimum (currency)**

<Not Applicable>

**Potential financial impact figure – maximum (currency)**

<Not Applicable>

**Explanation of financial impact**

These projects include the cost of piping and tanks for water collection.

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## W5. Facility-level water accounting

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### W5.1

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**(W5.1) For each facility referenced in W4.1c, provide coordinates, water accounting data, and a comparison with the previous reporting year.**

**Facility reference number**

Facility 1

**Facility name (optional)**

Jinshan

**Country/Area & River basin**

Please select

**Latitude**

31.2184

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**Longitude**

121.43456

**Located in area with water stress**

Yes

**Primary power generation source for your electricity generation at this facility**

<Not Applicable>

**Oil & gas sector business division**

<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**

17.15

**Comparison of total withdrawals with previous reporting year**

Lower

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**Withdrawals from brackish surface water/seawater**

0

**Withdrawals from groundwater - renewable**

0

**Withdrawals from groundwater - non-renewable**

0

**Withdrawals from produced/entrained water**

0

**Withdrawals from third party sources**

17.15

**Total water discharges at this facility (megaliters/year)**

**Comparison of total discharges with previous reporting year**

About the same

**Discharges to fresh surface water**

**Discharges to brackish surface water/seawater**

**Discharges to groundwater**

**Discharges to third party destinations**

**Total water consumption at this facility (megaliters/year)**

**Comparison of total consumption with previous reporting year**

About the same

**Please explain**

No material changes from previous year

**Facility reference number**

Facility 3

**Facility name (optional)**

Suzhou

**Country/Area & River basin**

China	Yangtze River (Chang Jiang)
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**Latitude**

35.49145

**Longitude**

111.5642

**Located in area with water stress**

Yes

**Primary power generation source for your electricity generation at this facility**

<Not Applicable>

**Oil & gas sector business division**

<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**

15.01

**Comparison of total withdrawals with previous reporting year**

About the same

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0



Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

15.01

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Please select

Discharges to fresh surface water

0

Discharges to brackish surface water/seawater

0

Discharges to groundwater

0

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please select

Please explain

No material changes from previous year

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Facility reference number

Facility 4

Facility name (optional)

Panoli

Country/Area & River basin

India	Mahi River
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Latitude

21.56272

Longitude

72.99047

Located in area with water stress

Yes

Primary power generation source for your electricity generation at this facility

<Not Applicable>

Oil & gas sector business division

<Not Applicable>

Total water withdrawals at this facility (megaliters/year)

157.39

Comparison of total withdrawals with previous reporting year

About the same

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

157.39

Total water discharges at this facility (megaliters/year)

**Comparison of total discharges with previous reporting year**

Please select

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

**Comparison of total consumption with previous reporting year**

Please select

Please explain

---

**Facility reference number**

Facility 5

**Facility name (optional)**

Savli

**Country/Area & River basin**

India	Mahi River
-------	------------

**Latitude**

22.564

**Longitude**

73.223

**Located in area with water stress**

Yes

**Primary power generation source for your electricity generation at this facility**

<Not Applicable>

**Oil & gas sector business division**

<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**

6.72

**Comparison of total withdrawals with previous reporting year**

About the same

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**Withdrawals from brackish surface water/seawater**

0

**Withdrawals from groundwater - renewable**

0

**Withdrawals from groundwater - non-renewable**

0

**Withdrawals from produced/entrained water**

0

**Withdrawals from third party sources**

6.72

**Total water discharges at this facility (megaliters/year)**

**Comparison of total discharges with previous reporting year**

Please select

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

**Comparison of total consumption with previous reporting year**

Please select

Please explain

---

**Facility reference number**

Facility 6

**Facility name (optional)**

Surabaya

Country/Area & River basin

Indonesia	Other, please specify (Surabaya)
-----------	----------------------------------

Latitude

-7.249

Longitude

112.748

Located in area with water stress

Yes

Primary power generation source for your electricity generation at this facility

<Not Applicable>

Oil & gas sector business division

<Not Applicable>

Total water withdrawals at this facility (megaliters/year)

2.01

Comparison of total withdrawals with previous reporting year

About the same

Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes

0

Withdrawals from brackish surface water/seawater

0

Withdrawals from groundwater - renewable

0

Withdrawals from groundwater - non-renewable

0

Withdrawals from produced/entrained water

0

Withdrawals from third party sources

2.01

Total water discharges at this facility (megaliters/year)

Comparison of total discharges with previous reporting year

Please select

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

Total water consumption at this facility (megaliters/year)

Comparison of total consumption with previous reporting year

Please select

Please explain

---

Facility reference number

Facility 7

Facility name (optional)

Pasaruan

Country/Area & River basin

Indonesia	Rajang
-----------	--------

Latitude

-7.6478

Longitude

112.9065

Located in area with water stress

Yes

Primary power generation source for your electricity generation at this facility

<Not Applicable>

Oil & gas sector business division

<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**

7.58

**Comparison of total withdrawals with previous reporting year**

About the same

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**Withdrawals from brackish surface water/seawater**

0

**Withdrawals from groundwater - renewable**

0

**Withdrawals from groundwater - non-renewable**

0

**Withdrawals from produced/entrained water**

0

**Withdrawals from third party sources**

7.58

**Total water discharges at this facility (megaliters/year)**

**Comparison of total discharges with previous reporting year**

Please select

**Discharges to fresh surface water**

**Discharges to brackish surface water/seawater**

**Discharges to groundwater**

**Discharges to third party destinations**

**Total water consumption at this facility (megaliters/year)**

**Comparison of total consumption with previous reporting year**

Please select

[Please explain](#)

---

**Facility reference number**

Facility 8

**Facility name (optional)**

Ungaran

**Country/Area & River basin**

Indonesia	Sungai Kajan
-----------	--------------

**Latitude**

-7.136

**Longitude**

110.4017

**Located in area with water stress**

Yes

**Primary power generation source for your electricity generation at this facility**

<Not Applicable>

**Oil & gas sector business division**

<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**

7.67

**Comparison of total withdrawals with previous reporting year**

Lower

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**Withdrawals from brackish surface water/seawater**

0

**Withdrawals from groundwater - renewable**

0

**Withdrawals from groundwater - non-renewable**

0

**Withdrawals from produced/entrained water**

0

**Withdrawals from third party sources**

7.67

**Total water discharges at this facility (megaliters/year)**

**Comparison of total discharges with previous reporting year**

Please select

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

**Total water consumption at this facility (megaliters/year)**

**Comparison of total consumption with previous reporting year**

Please select

Please explain

---

**Facility reference number**

Facility 9

**Facility name (optional)**

Tuas

**Country/Area & River basin**

Singapore	Other, please specify (Singapore River)
-----------	-----------------------------------------

**Latitude**

1.2959

**Longitude**

103.631

**Located in area with water stress**

Yes

**Primary power generation source for your electricity generation at this facility**

<Not Applicable>

**Oil & gas sector business division**

<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**

3.38

**Comparison of total withdrawals with previous reporting year**

Higher

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**Withdrawals from brackish surface water/seawater**

0

**Withdrawals from groundwater - renewable**

0

**Withdrawals from groundwater - non-renewable**

0

**Withdrawals from produced/entrained water**

0

**Withdrawals from third party sources**

3.38

**Total water discharges at this facility (megaliters/year)**

**Comparison of total discharges with previous reporting year**

Please select

Discharges to fresh surface water

Discharges to brackish surface water/seawater

Discharges to groundwater

Discharges to third party destinations

**Total water consumption at this facility (megaliters/year)**

**Comparison of total consumption with previous reporting year**

Please select

Please explain

**Facility reference number**

Facility 10

**Facility name (optional)**

LAHORE

**Country/Area & River basin**

Pakistan	Other, please specify (Ravi River)
----------	------------------------------------

**Latitude**

31.5418

**Longitude**

74.332

**Located in area with water stress**

Yes

**Primary power generation source for your electricity generation at this facility**

<Not Applicable>

**Oil & gas sector business division**

<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**

10.12

**Comparison of total withdrawals with previous reporting year**

Higher

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**Withdrawals from brackish surface water/seawater**

0

**Withdrawals from groundwater - renewable**

10.12

**Withdrawals from groundwater - non-renewable**

0

**Withdrawals from produced/entrained water**

0

**Withdrawals from third party sources**

0

**Total water discharges at this facility (megaliters/year)**

**Comparison of total discharges with previous reporting year**

Please select

**Discharges to fresh surface water**

**Discharges to brackish surface water/seawater**

**Discharges to groundwater**

**Discharges to third party destinations**

**Total water consumption at this facility (megaliters/year)**

**Comparison of total consumption with previous reporting year**

Please select

**Please explain**

---

**Facility reference number**

Facility 11

**Facility name (optional)**

Manati

**Country/Area & River basin**

Please select

**Latitude**

18.4358

**Longitude**

-66.4826

**Located in area with water stress**

Yes

**Primary power generation source for your electricity generation at this facility**

<Not Applicable>

**Oil & gas sector business division**

<Not Applicable>

**Total water withdrawals at this facility (megaliters/year)**

47.21

**Comparison of total withdrawals with previous reporting year**

Lower

**Withdrawals from fresh surface water, including rainwater, water from wetlands, rivers and lakes**

0

**Withdrawals from brackish surface water/seawater**

0

**Withdrawals from groundwater - renewable**

47.21

**Withdrawals from groundwater - non-renewable**

0

**Withdrawals from produced/entrained water**

0

**Withdrawals from third party sources**

0

**Total water discharges at this facility (megaliters/year)**

**Comparison of total discharges with previous reporting year**

Please select

**Discharges to fresh surface water**

**Discharges to brackish surface water/seawater**

**Discharges to groundwater**

**Discharges to third party destinations**

**Total water consumption at this facility (megaliters/year)**

**Comparison of total consumption with previous reporting year**

Please select

Please explain

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W5.1a

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(W5.1a) For the facilities referenced in W5.1, what proportion of water accounting data has been externally verified?

**Water withdrawals – total volumes**

% verified  
76-100

What standard and methodology was used?  
Limited assurance, ISAE3000

**Water withdrawals – volume by source**

% verified  
76-100

What standard and methodology was used?  
Limited assurance, ISAE3000

**Water withdrawals – quality**

% verified  
76-100

What standard and methodology was used?  
Limited assurance, ISAE3000

**Water discharges – total volumes**

% verified  
1-25

What standard and methodology was used?  
Limited assurance, ISAE3000

**Water discharges – volume by destination**

% verified  
1-25

What standard and methodology was used?  
Limited assurance, ISAE3000

**Water discharges – volume by treatment method**

% verified  
Not verified

What standard and methodology was used?  
<Not Applicable>

**Water discharge quality – quality by standard effluent parameters**

% verified  
Not verified

What standard and methodology was used?  
<Not Applicable>

**Water discharge quality – temperature**

% verified  
Not verified

What standard and methodology was used?  
<Not Applicable>

**Water consumption – total volume**

% verified  
Not verified

What standard and methodology was used?  
<Not Applicable>

**Water recycled/reused**

% verified  
Not verified

What standard and methodology was used?  
<Not Applicable>

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**W6. Governance**

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**W6.1**

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**(W6.1) Does your organization have a water policy?**

No, but we plan to develop one within the next 2 years

**W6.2**

**(W6.2) Is there board level oversight of water-related issues within your organization?**

Yes

**W6.2a**

**(W6.2a) Identify the position(s) (do not include any names) of the individual(s) on the board with responsibility for water-related issues.**

Position of individual	Please explain
Director on board	The highest level of responsibility for water-related initiatives at FMC is the Chairman of the Board of Directors' Sustainability Committee, one of five of the Board of Directors' standing sub-committees. The Board of Directors established the Sustainability Committee and elected a Chairman as part of formalizing sustainability at FMC. The Board of Directors adopted a written charter outlining the Sustainability Committee's duties, which are: •Meeting three times per year •Conducting an annual self-assessment •Monitoring FMC's Sustainability Program, including program development and advancement, goals and objectives, and progress toward achieving those objectives •Monitoring FMC's environmental responsibility, employee occupational safety and health and process safety programs •Monitoring FMC's programs with regard to the American Chemistry Council's Responsible Care initiative. Monitoring and reviewing all high water stress sites and updates on progress towards water intensity goal reduction as well reviewing business case solutions for addressing water impacted sites.

**W6.2b**

**(W6.2b) Provide further details on the board's oversight of water-related issues.**

	Frequency that water-related issues are a scheduled agenda item	Governance mechanisms into which water-related issues are integrated	Please explain
Row 1	Scheduled - all meetings	Reviewing and guiding strategy Reviewing and guiding corporate responsibility strategy Reviewing innovation/R&D priorities Setting performance objectives	The highest governance body responsible for climate-related initiatives at FMC is the Board of Directors' Sustainability Committee. This committee was established when sustainability was formalized at FMC in 2011. The committee meets three times per year to review and direct sustainability programs and submit summary reports to the full Board of Directors. The Sustainability Committee of the Board of Directors (the "Committee") is composed of at least three outside members of the Board, one of whom shall be Chairman. The Committee and its Chairman shall be nominated by the Nominating and Corporate Governance Committee, and elected annually at the organizational meeting of the Board. The Committee's scope encompasses FMC's safety, environmental and sustainability programs. It reviews these programs (objectives, plans, and performance) and recommended actions, as necessary, to ensure continuous performance improvement and alignment with constituent expectations (both internal and external). The Committee will also monitor program goals in light of market, environmental and social trends and expectations. The Committee meets as scheduled by its Chairman, nominally three times per year in conjunction. Assisting the Committee is the Vice President, Global Procurement, Global Facilities and Corporate Sustainability, who will serve as the Committee's executive secretary.

**W6.3**

**(W6.3) Provide the highest management-level position(s) or committee(s) with responsibility for water-related issues (do not include the names of individuals).**

**Name of the position(s) and/or committee(s)**

Chief Sustainability Officer (CSO)

**Responsibility**

Both assessing and managing water-related risks and opportunities

**Frequency of reporting to the board on water-related issues**

Quarterly

**Please explain**

The Chief Sustainability Officer (CSO) oversees the implementation and integration of sustainability at FMC and reports directly to the CEO. This position communicates directly with the Board of Directors' Sustainability Committee on sustainability three times a year. The CSO with the Vice President of Operations and FMC's Operations, Human Resource and R&D directors to develop and ensure the achievement of FMC's 2025 and 2030 safety, environmental, innovation and social metrics and targets. The CSO is responsible for reporting on the status of water goals for the organization and reviewing with operations on progress.

**W6.4**

**(W6.4) Do you provide incentives to C-suite employees or board members for the management of water-related issues?**

	Provide incentives for management of water-related issues	Comment
Row 1	No, not currently but we plan to introduce them in the next two years	

W6.5

**(W6.5) Do you engage in activities that could either directly or indirectly influence public policy on water through any of the following?**

Yes, direct engagement with policy makers

W6.5a

**(W6.5a) What processes do you have in place to ensure that all of your direct and indirect activities seeking to influence policy are consistent with your water policy/water commitments?**

FMC annually conducts a Water Risk Assessment (WRA) that cross-references water use details from our manufacturing sites with the World Resources Institute’s (WRI) “Aqueduct” water mapping tool. The assessment combines WRI’s expertise and our understanding of site specific water situations to identify FMC’s high-risk water sites. The WRA was first conducted in 2013, but as FMC has changed we have re-assessed our manufacturing sites. In 2019, we had 11 sites in high risk areas. This process includes the evaluation of water uses at the 11 sites. This evaluation will also be used to help develop our water policy as stated in W6.1. This policy will also provide guidance for what to do if an inconsistency is encountered. We are actively engaging with the communities and local authorities to ensure our facilities have rigorous water management strategies. The results of the annual WRA are reported to FMC’s internal Sustainability Steering Team (SST). The SST includes leaders of FMC Agricultural Sciences as well as group leaders from Manufacturing, EHS, R&D, Finance, Communications, Procurement, Human Resources, Legal and Government Affairs. It is the responsibility of this team to ensure our direct engagement with policy makers aligns with FMC’s global sustainability strategy.

W6.6

**(W6.6) Did your organization include information about its response to water-related risks in its most recent mainstream financial report?**

No, but we plan to do so in the next two years

W7. Business strategy

W7.1

**(W7.1) Are water-related issues integrated into any aspects of your long-term strategic business plan, and if so how?**

	Are water-related issues integrated?	Long-term time horizon (years)	Please explain
Long-term business objectives	Yes, water-related issues are integrated	5-10	FMC’s Enterprise Risk Management Group conducts a company-wide enterprise risk assessment to reduce FMC’s exposure to risk factors, which are generally disclosed in our 10-K. The assessment process includes engaging with FMC business functions globally on many issues, including water-related risks and opportunities. Findings from this assessment are reported to the Risk Council, FMC’s executive leadership and Board of Directors three times a year, and includes factors like climate change, water scarcity, food supply, resource efficiency, product environmental impact, and health and safety. Water-related issues are incorporated in the long term strategic planning of the organization to better determine business continuity and risk/opportunity. Water related issues that may be included are those associated with operations in high risk areas, impacts on waterways due to climate change, impacts of water supply to our customers. Our business plans will take into consideration these potential impacts when looking into the future. An example of this could be locations of site.
Strategy for achieving long-term objectives	Yes, water-related issues are integrated	5-10	According to the U.S. Global Change Research Program’s National Climate Assessment we will experience increases in extreme weather events as well as changes in sea levels, mean temperatures, precipitation levels and precipitation patterns in the future. The interaction of these physical parameters could have significant impacts on natural resources in the locations in which FMC operates. Several FMC properties are at or near sea level. Dramatic changes in sea levels and more intense storm surges could cause a need to protect both these natural resources and FMC properties from storm surges and flooding. FMC is examining options to protect our resources and sites close to sea level against sea level changes and stronger storm surges, like at our Ronland, Denmark site plans to strengthen its dike system. To mitigate potential risks to water quality and supply, we first conducted a Water Risk Assessment in 2013 that compared our sites’ water use with the World Resources Institute’s Aqueduct™ water mapping tool.
Financial planning	Yes, water-related issues are integrated	5-10	FMC utilizes a cross-functional team as part of the financial planning process to provide insight into changing market conditions, research and development, and short-, medium- and long-term business strategy. This team is responsible for preparing monthly forecasts, quarterly updates, annual budgets and long-term financial planning. Growers in many regions will face potential impacts on crop yields and livestock development because of changes in growing seasons, diseases, weeds, insect vectors and species distributions. As such, FMC customers could be affected. FMC provides products and technologies that increase crop yields and/or water efficiency, reducing the effects of climate change. Specific risks include water supply to our customers, whether too little (can not apply product or can not irrigate to grow crops) or too much, flooding of local waterways resulting in oversaturation and soils and inability to grow crops. Water related issues is integrated into our business plan and strategy, specifically as it is related to research and development. Products requiring little or no water use are being explored as well as any potential changes to the markets, eg., crop type in countries or regions change due to water related issues and as such, product use needs to pivot either to a different crop type or to a different region to respond. This scenario along with many others are evaluated in the discovery phase annually to ensure that potential changes are captured.

W7.2

(W7.2) 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?

Row 1

Water-related CAPEX (+/- % change)

10

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

5

Water-related OPEX (+/- % change)

0

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

5

Please explain

There is an increasing forward trend in CAPEX spending for water related expenditures. Large capital projects forecasted for realized water management improvements and savings. We anticipate this trend to increase moving forward since we are continuously attempting to improve our operational efficiency and specifically reduce amounts of water used. This includes projects performed to provide efficiencies to our production to reduce the amount of water used and waste generated. OPEX related spend did not increase over last year mainly due to the fact that CAPEX projects were recently performed and any associated cost increase would not be recognized until the following year. This could include costs to increase water management. OPEX spending may need to increase with increasing water management. At this time any significant increase or decrease is not defined.

### W7.3

(W7.3) Does your organization use climate-related scenario analysis to inform its business strategy?

	Use of climate-related scenario analysis	Comment
Row 1	Yes	FMC is currently completing a TCFD Climate Change Scenario Analysis for Physical and Transition Risk.

### W7.3a

(W7.3a) Has your organization identified any water-related outcomes from your climate-related scenario analysis?

No

### W7.4

(W7.4) Does your company use an internal price on water?

Row 1

Does your company use an internal price on water?

No, and we do not anticipate doing so within the next two years

Please explain

We currently do not consider internal price for water.

## W8. Targets

### W8.1

(W8.1) Describe your approach to setting and monitoring water-related targets and/or goals.

	Levels for targets and/or goals	Monitoring at corporate level	Approach to setting and monitoring targets and/or goals
Row 1	Company-wide targets and goals Other, please specify (Targets and Goals at sites with high risk water use as defined by WRI's Aqueduct tool Version 2.1)	Targets are monitored at the corporate level	FMC collects information to determine our environmental impacts, such as energy usage, GHG emissions, water usage and waste generation, which are our key sustainability performance indicators. This data was used in developing our 2030 targets to reduce our environmental impacts, including water usage at our high-risk sites. To determine the new water related goal, we developed a mathematical model that used base-year sustainability data and extrapolated our yearly environmental footprint to 2030 based on anticipated future production volumes. Collaborating with our operations team, we then incorporated various scenarios and sustainability project commitments into the model to develop our final water-related goal. If our goal is met early, we will refine and reset them to ensure that we are continuously improving our environmental profile. Our 2030 target is to reduce our water use intensity in high-risk locations by 20%. In 2020, we achieved significant progress against our goal through projects aimed at using water more efficiently in our operating plants.

### W8.1a

**(W8.1a) Provide details of your water targets that are monitored at the corporate level, and the progress made.**

**Target reference number**

Target 1

**Category of target**

Water withdrawals

**Level**

Company-wide

**Primary motivation**

Reduced environmental impact

**Description of target**

In 2019, FMC created our 2030 targets to reduce our water use intensity (cubic meter of water per ton of product produced) in high-risk locations by 20%.

**Quantitative metric**

% reduction in total water withdrawals

**Baseline year**

2018

**Start year**

2019

**Target year**

2030

**% of target achieved**

98

**Please explain**

Water intensity reduction at high risk locations was achieved by improving process water efficiency and recycling water after treatment.

**W9. Verification**

**W9.1**

**(W9.1) Do you verify any other water information reported in your CDP disclosure (not already covered by W5.1a)?**

Yes

**W9.1a**

**(W9.1a) Which data points within your CDP disclosure have been verified, and which standards were used?**

Disclosure module	Data verified	Verification standard	Please explain
W8 Targets	Water use totals and intensities	ISAE 3000	FMC has total water withdrawal and intensity verified, in addition to total water use and intensity in high-risk locations.

**W10. Sign off**

**W-FI**

**(W-FI) Use this field to provide any additional information or context that you feel is relevant to your organization's response. Please note that this field is optional and is not scored.**

**W10.1**

**(W10.1) Provide details for the person that has signed off (approved) your CDP water response.**

	Job title	Corresponding job category
Row 1	Chief Executive Officer	Chief Executive Officer (CEO)

**W10.2**

(W10.2) Please indicate whether your organization agrees for CDP to transfer your publicly disclosed data on your impact and risk response strategies to the CEO Water Mandate's Water Action Hub [applies only to W2.1a (response to impacts), W4.2 and W4.2a (response to risks)].

Yes

## SW. Supply chain module

### SW0.1

(SW0.1) What is your organization's annual revenue for the reporting period?

	Annual revenue
Row 1	4600000000

### SW0.2

(SW0.2) Do you have an ISIN for your organization that you are willing to share with CDP?

No

### SW1.1

(SW1.1) Could any of your facilities reported in W5.1 have an impact on a requesting CDP supply chain member?

We do not have this data but we intend to collect it within two years

### SW1.2

(SW1.2) Are you able to provide geolocation data for your facilities?

	Are you able to provide geolocation data for your facilities?	Comment
Row 1	Yes, for all facilities	

### SW1.2a

(SW1.2a) Please provide all available geolocation data for your facilities.

Identifier	Latitude	Longitude	Comment
Wyoming	41.06287	-89.773127	Located in USA
Bangpoo	13.546362	100.65595	Thailand
Wyong	-33.261961	151.443417	Australia
Flintshire	53.201658	-3.007946	UK
Song Than	10.894777	106.752681	Vietnam
San Colombano	41.864874	12.600763	Italy
Barra Mansa	-22.544043	-44.188837	Brazil
Stine-Haskell	39.664592	-75.785564	USA
Middleport	43.206986	-78.474827	USA
Stade	53.625029	9.505444	Germany
Uberaba	-19.722649	-47.91598	Brazil
Uffholtz	47.814501	7.207403	France
Mobile	30.953021	-88.018828	USA
Cheboksary	56.070592	47.505367	Russia
Ronland	56.656607	8.201101	Denmark
Other sites that are in high stress water areas are given in W5.1	0	0	Please see remarks

### SW2.1

(SW2.1) Please propose any mutually beneficial water-related projects you could collaborate on with specific CDP supply chain members.

### SW2.2

---

(SW2.2) Have any water projects been implemented due to CDP supply chain member engagement?

No

SW3.1

---

(SW3.1) Provide any available water intensity values for your organization's products or services.

**Product name**

Chemicals

**Water intensity value**

2.95

**Numerator: Water aspect**

Other, please specify (Water intensity at high risk areas)

**Denominator**

Metric Ton of product at high risk location

**Comment**

High Risk Water Intensity (Cubic Meters/Metric tonne production at high risk locations).

---

Submit your response

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**In which language are you submitting your response?**

English

**Please confirm how your response should be handled by CDP**

	I am submitting to	Public or Non-Public Submission	Are you ready to submit the additional Supply Chain questions?
I am submitting my response	Investors Customers	Public	Yes, I will submit the Supply Chain questions now

**Please confirm below**

I have read and accept the applicable Terms