

FMC ESG Data Download
Last Updated: 2 June 2021

Metric	2018	2019	2020	Notes	TCFD Indexing	SASB Indexing
Environmental						
General						
Environmental Boundary	SR 2018 p. 36	SR 2019 p. 35	SR 2020 p. 34			
External Assurance of Environmental Data	SR 2018 p. 38	SR 2019 p. 38	SR 2020 p. 38	In 2020, we engaged ERM CVS to perform limited assurance of our select environmental and safety data. The scope of assurance is in line with our environmental boundary and does not include active ingredient contract manufacturers. Our partner's assurance letter is included in the annual sustainability report.		
Activity Metrics						
Production by reportable segment (Metric Tonnes)	306,032.04	341,096.79	342,922.53			SASB- Chemical Sector
Energy						
FMC Energy Use (KTJ)	2.16	2.09	2.11	Does not include active ingredient contract manufacturers and independent companies	TCFD	SASB- Chemical Sector
FMC Energy Intensity (GJ/Metric Tonnes production)	7.05	6.12	6.14	Does not include active ingredient contract manufacturers and independent companies	TCFD	
Active Ingredient Contract Manufacturing Energy Use (KTJ)	2.08	1.92	1.22	FMC works with several third-party contract manufacturing sites to produce select AIs and intermediate products. Many of the materials produced at our contract manufacturing sites are energy and waste intensive and we have an important responsibility to work with them to reduce their environmental footprint. Many of these sites utilize FMC's prescribed technology packages (technical information on how to produce specific products), which we consistently work to improve.	TCFD	
Independent Companies Energy Use (KTJ)	0.09	0.08	0.05	At select FMC-owned manufacturing sites, independent companies operate within our premises and use FMC-owned utilities and waste treatment facilities. These companies are not under FMC's operational control and are therefore excluded from our 2030 environmental goals. However, as they reside within our physical boundary, their energy footprint is included with our Scope 1 emissions as per the GHG protocol.	TCFD	
Percentage grid electricity	26%	27%	27%		TCFD	SASB- Chemical Sector
Percentage Renewable Energy	0%	0%	2%		TCFD	SASB- Chemical Sector
Total Self-generated Energy	0%	0%	0%		TCFD	SASB- Chemical Sector
GHG Emissions						
Gross Scope 1 Emissions (Metric Tonnes Co2e)	86,736.56	83,039.89	83,584.41	2018 data from former FMC Lithium sites have been removed for consistency. Our Lithium business began trading as Livent Corporation on the New York Stock Exchange on October 11, 2018. Full separation of Livent was completed in March 2019. For historical FMC Lithium data, please refer to the 2018 Sustainability Report.	TCFD	SASB- Chemical Sector
Scope 2 Emissions Location-Based (Metric Tonnes Co2e)	72,025.20	69,095.65	68,360.00	2018 data from former FMC Lithium sites have been removed for consistency. Our Lithium business began trading as Livent Corporation on the New York Stock Exchange on October 11, 2018. Full separation of Livent was completed in March 2019. For historical FMC Lithium data, please refer to the 2018 Sustainability Report.	TCFD	
Scope 2 Emissions Market-Based (Metric Tonnes Co2e)	Not reported in this year	Not reported in this year	67,031.00	FMC began reporting this metric in 2020	TCFD	
Scope 3 Emissions (Metric Tonnes Co2e)	210,370.00	941,241.85	This metric will be available in July 2021	In 2018, FMC reported two Scope 3 categories (Purchased Goods and Services and Business Travel). In 2019, FMC reported 8 Scope 3 categories. For more details on our Scope 3 assessment, please refer to our 2020 CDP Climate Change Questionnaire available on or website	TCFD	
Percentage of sites covered under emissions limiting regulations	31%	34%	30%	Includes all EU sites	TCFD	SASB- Chemical Sector

FMC GHG emissions (kT CO2e)	160.24	152.14	150.61	Does not include active ingredient contract manufacturers and independent companies. In 2020, GHG emissions were calculated using market-based emissions while 2018 and 2019 intensities were calculated using locations-based emissions.	TCFD	
FMC GHG emissions intensity (T CO2e/MT Production)	0.52	0.44	0.44	Does not include active ingredient contract manufacturers and independent companies. In 2020, GHG emissions intensity were calculated using market-based emissions while 2018 and 2019 intensities were calculated using locations-based emissions.	TCFD	
Active Ingredient Contract Manufacturing emissions (kT CO2e)	207.18	180.31	124.72	FMC works with several third-party contract manufacturing sites to produce select AIs and intermediate products. Many of the materials produced at our contract manufacturing sites are energy and waste intensive and we have an important responsibility to work with them to reduce their environmental footprint. Many of these sites utilize FMC's prescribed technology packages (technical information on how to produce specific products), which we consistently work to improve.	TCFD	
Independent Companies emissions (kT CO2e)	9.43	8.72	7.25		TCFD	
Strategy to manage scope 1 emissions, emission reduction targets, and an analysis of performance against those targets.	SR 2018 p. 36-37, 2019 CDP Climate Change Response	SR 2019 p. 5, 35, 36, 2020 CDP Climate Change Response	SR 2020 p.24-26, 2021 CDP Climate Change Response		TCFD	SASB- Chemical Sector
Water						
Total Water Withdrawn (Thousand m3)	1,449.93	1,462.00	1,517.38		TCFD	SASB- Chemical Sector
Total Water Withdrawn Intensity (m3/MT production)	4.74	4.29	4.42		TCFD	
Percentage of sites at High Risk Water Locations	24%	23%	19%	As of 2021, eleven of our sites fall in the high-risk water category, as defined by WRI's aqueduct tool V2.1. In 2020, we conducted an in-depth qualitative survey to assess imminent risk to each of our high-stress water sites. Through the survey, we concluded that there is no imminent risk of disruption to operations due to water-related issues.	TCFD	SASB- Chemical Sector
Water Withdrawn at High Risk Locations (thousand m3)	349.43	330.06	285.90		TCFD	
Water Withdrawn Intensity at High Risk Locations (m3/Metric Tonnes production)	3.67	2.78	2.95		TCFD	
Number of incidents of non-compliance associated with water quality permits, standards, and regulations	Not reported in this year	0.00	1.00		TCFD	SASB- Chemical Sector
Description of water management risks and discussion of strategies and practices to mitigate those risks	SR 2018 p. 37	SR 2019 p. 36	SR 2020 p. 36		TCFD	SASB- Chemical Sector
Waste						
Total Waste Generated (Kilo Tonnes)	65.25	70.54	72.63	Total waste generated is the sum of waste disposed and waste to beneficial reuse	TCFD	
Total Waste Intensity (kg/Metric Tonnes production)	213.20	206.80	211.80		TCFD	
Waste Disposed (Kilo Tonnes)	46.44	47.24	50.21	Does not include waste from Active ingredient contract manufacturing	TCFD	
Waste Disposed Intensity (kg/Metric Tonnes production)	151.76	138.50	146.40	Does not include waste from Active ingredient contract manufacturing	TCFD	
Waste Disposed at Active Ingredient Contract Manufacturing (Kilo Tonnes)	4.51	3.61	9.70	FMC works with several third-party contract manufacturing sites to produce select AIs and intermediate products. Many of the materials produced at our contract manufacturing sites are energy and waste intensive and we have an important responsibility to work with them to reduce their environmental footprint. Many of these sites utilize FMC's prescribed technology packages (technical information on how to produce specific products), which we consistently work to improve.	TCFD	
Waste to Beneficial Reuse (Kilo Tonnes)	18.80	23.30	22.40	Total waste - Waste Disposed	TCFD	
Hazardous Waste Generated (Metric Tonnes)	38,786.94	42,776.23	45,199.73	As per FMC's definition of Hazardous waste	TCFD	SASB- Chemical Sector
Hazardous Waste Disposed (Metric Tonnes)	25,881.71	26,839.51	28,802.15	Hazardous waste that was used for energy recovery or recycled (waste that was not disposed)		
Non-Hazardous Waste Generated (Metric Tonnes)	26,464.70	27,759.99	27,428.63	As per FMC's definition of non Hazardous waste (includes both process and non-process waste)	TCFD	
Non-Hazardous Waste Disposed (Metric Tonnes)	20,605.15	20,455.08	21,434.50	Non Hazardous waste that was used for energy recovery or recycled (waste that was not disposed)		

Total Waste Recycled (Metric Tonnes)	8,687.37	10,278.05	9,351.98	Waste recycled for beneficial use	TCFD	SASB- Chemical Sector
Air Quality						
NOx - excluding N2O (Metric Tonnes)	Not reported in this year	26.10	34.00	Only includes North America data		SASB- Chemical Sector
SOx (Metric Tonnes)	Not reported in this year	2.60	3.00	Only includes North America data		SASB- Chemical Sector
VOCs (Metric Tonnes)	Not reported in this year	Not reported in this year	27.00	Only includes North America data		SASB- Chemical Sector
Hazardous Air Pollutants (Metric Tonnes)	Not reported in this year	24.00	20.00	Only includes North America data		SASB- Chemical Sector
Stewardship						
Percentage of products that contain Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Category 1 and 2 Health and Environmental Hazardous Substances				FMC has a robust SDS authoring process in place based upon the product composition, hazard profile of formulation components and product-level test data. Each product is classified for physical, human health, and environmental hazards following the guidance and criteria of GHS for the relevant country/countries of interest. As appropriate, the classification of our products is mainly based on product-level test data when available. Following GHS criteria, the classification for some hazard endpoints will be impacted by certain substance-level data only if present in the product above GHS-threshold concentrations.		SASB- Chemical Sector
Percentage of such products that have undergone a hazard assessment				Due to the acquisition of products from various companies, the product-level and substance-level data used in the development of our SDSs is not available in a single system. Therefore, this data cannot be compiled at this time. However, a new authoring system encompassing all of this data is currently being implemented.		SASB- Chemical Sector
Discussion of strategy to (1) manage chemicals of concern and (2) develop alternatives with reduced human and / or environmental impact	SR 2018, p. 25-31	SR 2019, p. 8, 30, 31	SR 2020, p. 25-31			SASB- Chemical Sector
Highly Hazardous Pesticides (HHPs) as a % of total sales	SR 2018 p. 31	SR 2019 p. 31	0.35%	We evaluate HHPs using the criteria and process defined by the United Nations Food and Agriculture Organization (FAO) which is the globally accepted regulatory classification scheme. Risk assessments and product stewardship programs for the remaining HHPs in the specific countries of sales continues so we are aware of any issues that may occur and can address them immediately.		
Social						
Community Relations Index	90.00	81.00	82.00	To monitor Community Engagement, all manufacturing facilities and select R&D facilities report on their community engagement activities quarterly. Their activities are measured quantitatively using the Community Engagement (CE) Index. Other facilities such as regional offices and shared service centers are also encouraged to give back to their surrounding communities and are monitored qualitatively but are not included in the index.		SASB- Chemical Sector
Stakeholder Outreach and Example of Community Initiatives	SR 2018 p. 34	SR 2019 p. 33	SR 2020 p. 21			SASB- Chemical Sector
Innovation						
Percentage R&D spending on Sustainably-Advantaged Products	87%	93%	97%	A sustainably advantaged product is one that positively impacts at least one of the six major Global Challenges: Food Expectations, Health and Safety Expectations, Environmental Consciousness, Climate Change, Scarce Resources and Land Competition, but does not retreat in any of the five other areas.		
Safety						
Total Recordable incident Rate	0.11	0.13	0.08	Recordable injury is defined per OSHA Standard 1904.7, if it results in any of the following: death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, or loss of consciousness.		SASB- Chemical Sector
Recordable Injuries (All FMC employees)	9.00	12.00	7.00	Recordable injury is defined per OSHA Standard 1904.7, if it results in any of the following: death, days away from work, restricted work or transfer to another job, medical treatment beyond first aid, or loss of consciousness.		
Recordable Injuries (All Workers)	8.00	8.00	8.00	For all workers (excluding FMC employees), whose work or workplace is controlled by FMC.		

Occupational Disease Rate	0.00	0.00	0.00	The Occupational Disease Rate is defined per GRI Standards as frequency of disease arising from a work situation or activity, or from a work-related injury relative to the total time worked by all workers per year.		
Work Related Fatalities (All FMC employees)	0.00	0.00	0.00	Work-Related fatalities is defined as the death of a worker occurring in the current reporting period, arising from an occupational disease or injury sustained or contracted while performing work that is controlled by the organization or that is being performed in workplaces that the organization controls.		SASB- Chemical Sector
Work Related Fatalities (All workers)	2.00	1.00	0.00	For all workers (excluding FMC employees), whose work or workplace is controlled by FMC.		SASB- Chemical Sector
Process Safety Incidents Count (PSIC)	3.00	9.00	3.00	Process Safety incidents include Tier 1 and Tier 2 incidents according to the API 754 2nd edition definitions.		
Near Miss Frequency Rate	Not reported in this year	67.60	47.18	FMC began reporting this metric in 2019		
Number of Environmental Violations	Not reported in this year	Not reported in this year	4.00	Letter or notice received from an EHS regulatory authority alleging violation of a law, regulation or permit.		
Percent of Operations Certified under OHSAS or ISO	Not reported in this year	Not reported in this year	42%	Including OHSAS and ISO 14001 certifications		
Workforce						
Total Workforce	6,283	6,225	6,192	Includes full-time regular employees globally as of December 31 of the reporting year.		
Percentage of Women at FMC	29%	29%	30%	Includes full-time regular employees globally as of December 31 of the reporting year.		
Percentage of employees under 30	11%	10%	10%	Includes full-time regular employees globally as of December 31 of the reporting year.		
Percentage of employees from 30 - 50	65%	65%	66%			
Percentage of employees over 50	25%	24%	25%			
Percentage of Women in Professional Roles	30%	30%	31%	Professional roles are defined by certain types of responsibilities or requirements, such as independent judgment and decision making that impact the business.		
Percentage of Women in Senior Management	28%	32%	34%	Senior management roles (grades 25+) are those that have significant responsibility to oversee and direct a functional discipline or business area within FMC.		
Total New Hires	876	2,035	558			
Total Voluntary Turnover	444	399	349			
Percentage of Women in Governance Bodies	33%	28%	26%			
Miscellaneous						
Percentage of products by revenue that contains genetically modified organisms (GMOs)				This metric is not applicable to our business		SASB- Chemical Sector

Key

SR = Sustainability Report

TCFD = Taskforce for Climate Related Financial Disclosures

SASB = Sustainability Accounting Standards Board