

Sustainability Accounting Standards Board(SASB) Index

BIOTECHNOLOGY & PHARMACEUTICALS

Sustainability Disclosure Topics & Accounting Metrics

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting						
Safety of Clinical Trial	Discussion, by world region, of management process for	HC-BP- 210a.1	Bayer, similar to many major pharmaceutical and biotechnology companies, utilizes clinical research organizations (CROs) to deliver some of our clinical trial portfolio. This is done through two models.						
Participants	ensuring quality and patient safety during clinical trials		 The first model comprises functional service provision where CRO staff are engaged by Bayer in order to supplement internal resources. In this case, the CRO personnel works on clinical trials using Bayer processes and Bayer IT systems. 						
			2. The second model is where Bayer outsources the clinical trial in full. For these situations, we have large, global CROs with extensive geographical reach, which gives Bayer the opportunity to manage them centrally by appropriate integration into Clinical and Study Teams at the global level. Both Bayer and our CROs adhere to Good Clinical Practice (GCP) and country-specific legal, data privacy, ethical (Declaration of Helsinki) and regulatory requirements.						
			To manage our CRO partners and our outsourcing model, a global process is in place applying to all regions.						
			There are three components to the full outsourcing model:						
			Contingent Contracting Model, containing fixed price and bonus/penalty						
			2. Operating Model, with clear responsibilities and the CRO operating with its own resources, processes and IT systems						
			3. Risk-based Oversight Model, with Bayer staff focusing on oversight activities that are critical for overseeing patient safety and data integrity						
			To facilitate the full outsourcing model, Bayer works on industry platforms and to recognized regulatory, industry and data standards.						
			With regard to patient safety, assessment and reporting to health authorities, we use Bayer IT systems, people and processes, receiving reports from the investigator. With respect to audit and inspection, these are outlined in our quality agreement, which is appended to the Master Service Agreement, or corresponding supplier agreements. Bayer assesses which clinical sites require audit using a risk-based method. Additional CROs providing supplementary services (e.g. imaging, laboratory analysis) are also utilized and oversight is conducted via a similar mechanism to the full outsourcing model, with Bayer staff focusing on activities that are critical to overseeing patient safety and data integrity.						
			Before any activities can be outsourced to a potential CRO, the CRO is subjected to a qualification process. An integral part of this process is a risk-based assessment whether a GCP qualification audit is required.						
			Bayer publishes information on clinical trials in compliance with the respective local laws. Bayer publishes information on its own clinical trials both in the publicly accessible registers and in its own Trial Finder database. Further information about our globally uniform standards, the monitoring of clinical studies and the role of the ethics committees can be found on our website.						
			For more information:						
			// Bayer 2021 Sustainability Report – Chapter 3.8 Product Stewardship – Pharmaceuticals and Consumer Health – Clinical Trials // Clinical Trials website https://pharma.bayer.com/clinical-trials // Ethics in Clinical Trials website https://pharma.bayer.com/worldwide-standards // Bayer Clinical Trials website https://clinicaltrials.bayer.com/ // https://clinicaltrials.gov/						
	Number of FDA Sponsor Inspections related to clinical trial management and pharmacovigilance that resulted in: (1) Voluntary Action Indicated (VAI) and (2) Official Action Indicated (OAI)	HC-BP- 210a.2	During 2021, a total of 3 FDA Good Clinical Practice (GCP) inspections took place at clinical investigator sites participating in Bayer-sponsored trials. Two of the inspections were completed with no findings raised. Findings were raised following an inspection at one investigator site for which a response was submitted to the Agency by the site personnel; no FDA classification for this inspection has yet been received either by the site or sponsor for this inspection. In addition, one post marketing approval pharmacovigilance inspection took place at a Bayer facility and was concluded with no findings.						

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting
	Total amount of monetary losses as a result of legal proceedings associated with clinical trials in developing countries	HC-BP- 210a.3	Not reported
Access to Medicines	Description of actions and initiatives to promote access to health care products for priority diseases and in priority countries as defined by the Access to Medicine Index	HC-BP- 240a.1	For more information: // Bayer 2021 Sustainability Report - Chapter Sustainability Strategy // Bayer 2021 Sustainability Report - Chapter Focus on: Access to Health Care // Access to Medicine Foundation 2021 ranking https://accesstomedicinefoundation.org/access-to-medicine-index/report-cards/bayer-ag
	List of products on the WHO List of Prequalified Medicinal Products as part of its Prequalification of Medicines Programme (PQP)	HC-BP- 240a.2	// Bayer 2021 Sustainability Report - Chapter Focus on: Access to Health Care // Access to Medicine Foundation 2021 ranking https://accesstomedicinefoundation.org/access-to-medicine-index/report-cards/bayer-ag
Affordability & Pricing	Number of settlements of Abbreviated New Drug Application (ANDA) litigation that involved payments and/or provisions to delay bringing an authorized generic product to market for a defined time period	HC-BP- 240b.1	Not reported
	Percentage change in: (1) average list price and (2) average net price across U.S. product portfolio compared to previous year	HC-BP- 240b.2	From 2020 to 2021, the Bayer U.S. portfolio WAC for prescription products increased by 3.7%
	Percentage change in: (1) list price and (2) net price of product with largest increase compared to previous year	HC-BP- 240b.3	Not reported
Drug Safety	List of products listed in the Food and Drug Administration's (FDA) MedWatch Safety Alerts for Human Medical Products database	HC-BP- 250a.1	See FDA Adverse Event Reporting Website
	Number of fatalities associated with products as reported in the FDA Adverse Event Reporting System	HC-BP- 250a.2	See FDA Adverse Event Reporting Website

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting https://www.fda.gov/safety/recalls-market-withdrawals-safety-alerts?search_api_fulltext=Bayer&field_regulated_product_field=All_(1 for 2021, 1 for 2020) https://www.accessdata.fda.gov/scripts/ires/index.cfm#tabNav_advancedSearch					
	Number of recalls issued, total units recalled	HC-BP- 250a.3						
	Total amount of product accepted for takeback, reuse, or disposal Legislation prohibits the recycling and processing/treatment of a large proportion of our materials, especially pharmaceuticals are products. In our divisions, we make use of the opportunities for recycling within the framework of legal regulations. In the Pharmaceuticals and Consumer Health divisions, production-specific recycling is carried out in compliance with the specific given production site. The disposal of pharmaceutical products is subject to strict safety criteria, which means that recycling is reportfolios of the Pharmaceuticals and Consumer Health divisions. Material-based recycling takes place at the Pharmaceuticals segments, in the form of the recovery of solvents used in production. Through a returns program, we enable doctors' offices and hospitals to send remaining stock or unused supplies of the iodinate Ultravist™ back to us. This in turn makes it possible to properly reuse the iodine in an industrial cycle while at the same time help emissions into the environment. // Bayer 2021 Sustainability Report − Chapter 8.4 Environmental Protection and Safety − Waste and Recycling − Disposal, recycling and processing/treatment of a large proportion of our materials, especially pharmaceuticals are products. In our divisions, we make use of the opportunities for recycling within the framework of legal regulations. In the Pharmaceuticals and Consumer Health divisions, production-specific recycling is carried out in compliance with the specific recycling is carried out in compliance with the specific recycling is carried out in compliance. In the Pharmaceuticals and Consumer Health divisions, production-specific recycling is carried out in compliance with the specific recycling is carried out in compliance. In the Pharmaceuticals and Consumer Health divisions, production-specific recycling is carried out in compliance with the specific recycling is carried out in compliance.							
	Number of FDA enforcement actions taken in response to violations of current Good Manufacturing Practices (cGMP), by type	HC-BP- 250a.5	None. All our sites are classified as NAI (no action indicated) or VAI (voluntary action indicated) by FDA.					
Counterfeit Drugs	Description of methods and technologies used to maintain traceability of products throughout the supply chain and prevent counterfeiting	HC-BP- 260a.1	// Bayer 2021 Sustainability Report - Chapter 3.5 Product Stewardship - Protection against Product Counterfeiting					
	Discussion of process for alerting customers and business partners of potential or known risks associated with counterfeit products	HC-BP- 260a.2	// Bayer 2021 Sustainability Report - Chapter 3.5 Product Stewardship - Protection against Product Counterfeiting					
	Number of actions that led to raids, seizure, arrests, and/or filing of criminal charges related to counterfeit products	HC-BP- 260a.3	In addition to the process established in the quality management system, we have introduced a data management tool for the corporate security and legal functions. This enables assessments and reports to be compiled on activities by law enforcement authorities in connection with pharmaceutical counterfeiting that were triggered by information and analyses we submitted. For more information: // Bayer 2021 Sustainability Report – Chapter 3.5 Product Stewardship – Protection against Product Counterfeiting					
Ethical Marketing	Total amount of monetary losses as a result of legal proceedings associated with false marketing claims	HC-BP- 270a.1	Not reported					

SASB Topic	SASB Accounting Metric	SASB Code	e Bayer Reporting							
	Description of code of ethics governing promotion of off-label use of products	HC-BP- 270a.2	We do not tolerate any improper exertion of influence on our business partners. As part of our compliance management system, we record and investigate any suspected violation of our responsible marketing principles, irrespective of whether the complaints come from internal or external sources. The most important Bayer Group regulation in this context is our Group Regulation on Anti-Corruption, which is supplemented by the rules of conduct for responsible marketing. Furthermore, we are committed to ethical advertising and communication for all our products and services. Industry codes for pharmaceutical products and medical devices that have been adopted by major national and international associations and organizations also apply to marketing and distribution at Bayer. In many countries, these standards are further underpinned by local codes – all of which apply to prescription pharmaceuticals and some of which also apply to nonprescription medicines, dietary supplements, medical devices and medicated skincare products. All codes of the International Federation of Pharmaceutical Manufacturers & Associations (IFPMA) serve as a binding minimum global standard for all of Bayer's human pharmaceutical products in their area of application. In addition, Bayer observes the codes of the European Federation of Pharmaceutical Industries and Associations (EFPIA) in its interaction with healthcare professionals and patient organizations. Regarding the advertising of human pharmaceutical products, Bayer complies with the regulations set out in the IFPMA Code of Practice as the minimum global standard along with those set forth in regional and national codes. The aforementioned codes contain provisions governing, among other matters, advertising materials, the distribution of samples, cooperation with members of specialist groups in connection with speaker and consultancy contracts, and scientific studies. Bayer Pharmaceuticals observes the applicable transparency rules (e.g. the Physician Payments Sunshine Act in the Uni							
Employee Recruitment, Develop- ment & Retention	Discussion of talent recruitment and retention efforts for scientists and research and development personnel	HC-BP- 330a.1	To maintain an enthusiasm for Bayer among top researchers and scientists, we offer them special development opportunities that are tailored to their requirements. These include new scientific challenges, special advanced training offerings and a career path either as experts or as managers in various Bayer regions, functions or divisions. Through our Science Fellows Community, we talk to our scientific specialists about their own career development. Special mentoring programs are established to support employees' early development and their regular networking with experienced scientists and managers.							
			For more information // Bayer 2021 Sus		– Chapter 6.6	S Employees	- Employee De	velopment and Integration		
	(1) Voluntary and (2)	HC-BP-	M Bayer Zoz r Gao	tamaomity Hoport	Onaptor o.c	Linployees	Employee Be	roopmont and integration		
	involuntary turnover rate for: (a) executives/senior	330a.1	Fluctuation		Voluntary		Total			
	managers (h) mid-level									
	managers, (b) mid-level managers, (c) professionals,		%	2020	2021	2020	2021			
	0 ,		% Women	2020 5.1	6.7	2020 12.3	2021 12.6			
	managers, (c) professionals,		-	. <u> </u>						

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting						
Supply Chain Management	Percentage of (1) entity's facilities and (2) Tier I suppliers' facilities participating in the Rx-360 International Pharmaceutical Supply Chain Consortium audit program or equivalent third-party audit programs for integrity of supply chain and ingredients	HC-BP- 430a.1	Bayer is an active member of Rx-360, with representation on the Board of Directors and operational engagement on relevant committees and working groups, such as Audit Operations, Supply Chain Security, Cell & Gene Therapy, and Data Integrity. All of our own relevant facilities are taking part in Rx36 Extremely stringent safety standards for patients and medical professionals apply to pharmaceuticals and medical devices. That's why both the development and manufacture of pharmaceuticals and medical devices are subject to very strict quality requirements. The quality management system of Bayer's Pharmaceuticals and Consumer Health divisions is based on internationally recognized standards and applicable legal, regulatory and ethical requirements for all stages of the provision of a pharmaceutical or a medical device – from development to registration, production and distribution. These standards particularly include the rules for good working practices (GxP) in the development and manufacture of pharmaceuticals – such as Good Manufacturing Practices (GMP), Good Distribution Practices (GDP) and Good Clinical Practices (GCP), ISO certifications like those for the manufacture of medical devices (e.g. ISO 17025 and 13485) and the guidelines of the ICH (International Conference on Harmonization of Technical Requirements for Registration of Pharmaceuticals for Human Use).						
			in development and production as well as for registered product specifications. Such audits also cover institutes subcontracted by Bayer, service providers, our suppliers and contract manufacturers. Observations made during these audits are systematically evaluated and compliance with corrective measures verified at regular intervals. The quality requirements derived from regulatory requirements, permits and authorizations, and from relevant standards are regularly reviewed and integrated into our quality management system.						
			In addition to the internal quality assurance mechanisms, all our sites are regularly inspected by the health authorities of the respective countries to verify compliance with the various national and international requirements, and certified according to the respective product category (e.g. through GMP certificates or in the form of an official producer permit). All our sites received the targeted certifications in 2021.						
			For more information: // Bayer 2021 Sustainability Report – Chapter 3.8 Product Stewardship – Pharmaceuticals and Consumer Health – Quality and safety of pharmaceuticals and medical devices						
Business Ethics	Total amount of monetary losses as a result of legal proceedings associated with corruption and bribery	HC-BP- 510a.1	Not reported						
	Description of code of ethics governing interactions with health care professionals	HC-BP- 510a.2	We do not tolerate any improper exertion of influence on our business partners. As part of our compliance management system, we record and investigate any suspected violation of our responsible marketing principles, irrespective of whether the complaints come from internal or external sources. The most important Bayer Group regulation in this context is our Group Regulation on Anti-Corruption, which is supplemented by the rules of conduct for						
	main care professionale		responsible marketing. Furthermore, we are committed to ethical advertising and communication for all our products and services.						
			Industry codes for pharmaceutical products and medical devices that have been adopted by major national and international associations and organizations also apply to marketing and distribution at Bayer. In many countries, these standards are further underpinned by local codes – all of which apply to prescription pharmaceuticals and some of which also apply to nonprescription medicines, dietary supplements, medical devices and medicated skincare products.						
			All codes of the International Federation of Pharmaceutical Manufacturers & Associations (IFPMA) serve as a binding minimum global standard for all of Bayer's human pharmaceutical products in their area of application. In addition, Bayer observes the codes of the European Federation of Pharmaceutical Industries and Associations (EFPIA) in its interaction with healthcare professionals and patient organizations. Regarding the advertising of human pharmaceutical products, Bayer complies with the regulations set out in the IFPMA Code of Practice as the minimum global standard along with those set forth in regional and national codes.						
			The aforementioned codes contain provisions governing, among other matters, advertising materials, the distribution of samples, cooperation with members of specialist groups in connection with speaker and consultancy contracts, and scientific studies. Bayer Pharmaceuticals observes the applicable transparency rules (e.g. the Physician Payments Sunshine Act in the United States) and participates in voluntary programs such as the EFPIA Disclosure Code.						
			For more information: // Bayer 2021 Sustainability Report— Chapter 2.6 Corporate Governance — Compliance — Marketing compliance // Bayer Responsible Marketing & Sales website https://www.bayer.com/en/sustainability/responsible-marketing-sales-regulation // Bayer Corporate Compliance Policy website https://www.bayer.com/sites/default/files/bayer-corporate-compliance-policy-en.pdf						

Activity Metrics

SASB Activity Metric	SASB Code	
Number of patients treated		Not reported
Number of drugs (1) in portfolio and (2) in research and development (Phases 1-3)		// Bayer 2021 Annual Report - Chapter 1.1.2 Corporate Structure // Bayer 2021 Annual Report - Chapter 1.3 Focus on Innovation - Pharmaceuticals

CHEMICALS

Sustainability Disclosure Topics & Accounting Metrics

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting			
Greenhouse Gas Emissions	Gross global Scope 1 emissions, percentage covered under emissions- limiting regulations	RT-CH- 110a.1		eration plants		ndations of the Greenhouse Gas Protocol (GHG Protocol). Direct emissions ion facilities (Scope 1) are determined at all environmentally relevant sites
			Greenhouse Gas Emissions (Scope 1)			
			Million metric tons of CO ₂ equivalents	2020	2021	
			Scope 1: Direct emissions ¹	2.01	1.93	
			of which carbon dioxide (CO ₂)	1.96	1.90	
			of which ozone-depleting substances	0.012	0.011	
			of which partially fluorinated hydrocarbons	0.022	0.014	
			of which nitrous oxide (N2O)	0.008	0.007	
			of which methane (CH ₄)	0.003	0.003	
			For more information: // Bayer 2021 Sustainability Report – Chapter 7. // Bayer CDP Report Climate www.bayer.com/cd		ection – Gi	eenhouse Gas Emissions
	Discussion of long-term and short-term strategy or plan to	RT-CH- 110a.2	// Bayer CDP Report Climate www.bayer.com/cd We support the Paris Agreement and the objective	dp-climate e of limiting gl for 2030 withi	obal warmi n our clima	g to 1.5°C relative to the pre-industrial level. In 2019, therefore, we made a program. We plan to attain this target partly by reducing our emissions

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting						
			// We will offset our own emissions (Scope 1 and 2) that still remain following reduction through technological measures and cannot be avoided (such as greenhouse gas emissions generated by chemical processes) by purchasing certificates from climate protection projects that meet recognized quality standards. These projects need to have a connection to our own business. Here as well, we have established specific criteria for our own procurement of certificates from climate protection projects. In this process, we focus on nature-based climate solutions, preferably concerning forestry and agriculture projects. We will also invest in innovative projects to promote the development of voluntary carbon markets.						
			In 2021, we looked at the risks and opportunities stemming from the effects of climate change from various perspectives to better evaluate them as regards our company and integrate them into our strategy and measures. Climate-related risks are already accounted for in our Group-wide Enterp Risk Management (ERM) system. Based on the Paris Agreement, the most important countries and regions in which Bayer operates have committed to limit global warming by reduct their greenhouse gas emissions.						
			// One example is the European Union's Green Deal, the goal of which is to accelerate the transition to an emissions-free future and achieve c neutrality by 2050. The EU is consequently expected to further increase costs for the emission of greenhouse gases (e.g. through CO ₂ regul such as the EU emissions trading system (EU-ETS) or a CO ₂ tax), adjust financing incentives (e.g. through the EU taxonomy) and drive forwatechnological changes (e.g. through the promotion of renewable energies and hydrogen technologies). // China has committed to attain net zero emissions by 2060 and is therefore expected to introduce further regulations in this connection.						
				enhouse gas emissions on the pathway to a 1.5°C scenario, we are reducing the					
			For more information: // Bayer 2021 Sustainability Repor // Bayer 2021 Sustainability Repor // Bayer 2021 Sustainability Repor // Bayer 2021 TCFD Report www. // Bayer CDP Report Climate www.	<u>t</u> – Chapter 7.2 Climate Pro <u>t</u> – Chapter 7.3 Climate Pro <u>bayer.com/tcfd</u>	otection				
Air Quality	Air emissions of the following pollutants: (1) NO _x (excluding	RT-CH- 120a.1	Air Emissions			_			
	N ₂ O), (2) SO _x , (3) volatile	1200.1	1,000 metric tons	2020	20	21			
	organic compounds (VOCs), and (4) hazardous air		ODS ¹	0.0043	0.00				
	pollutants (HAPs)		VOCs ²	0.69		43			
			NO _x (nitrogen oxides)	4.16		57			
			SO _x (sulfur oxides)	1.32		28			
			2020 figures restated 1 Ozone-depleting substances (ODS) accord 2 Volatile organic compounds (VOCs) exclud	ding to the Montreal Protocol, in 0	OFC-11 ec	uivalents			
			For more information: // Bayer 2021 Sustainability Repor	<u>t</u> – Chapter 8.2 Environme	ntal Prot	ection and Safety – Air Emissions			

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting		
Energy	(1) Total energy consumed,	RT-CH-			
Management	(2) percentage grid electricity,	130a.1	Energy Consumption		
	(3) percentage renewable, (4) total self-generated energy		TJ	2020	2021
	g		Primary energy consumption	17,836	18,071
			Natural gas	10,911	10,682
			Coal	566	608
			Liquid fuels	2,901	2,653
			of which for vehicle fleet/transport	2,480	2,194
			Waste	416	499
			Other ¹	932	1,068
			Primary energy consumption for third-party companies	2,111	2,561
			Secondary energy consumption	18,022	16,764
			Electricity ²	12,166	11,059
			of which electricity from power grid	11,451	8,325
			of which electricity from renewable energies	715	2,734
			Steam	4,485	4,381
			of which steam from renewable energies	25	82
			Steam from waste heat (process heat)	550	574
			Cooling energy	691	632
			Secondary energy consumption for third-party companies	131	118
			Total energy consumption	35,858	34,835

² The proportion of primary energy sources used in generating the electricity consumed depends on the respective electricity mix of our energy suppliers.

Primary and secondary energy consumption is usually dependent on the production volume: the more that is produced, the greater the energy consumption and also the associated greenhouse gas emissions. Energy management systems such as ISO 50001 help to identify potential energy savings both in production processes and when developing new production processes or converting existing ones. This not only conserves valuable energy resources, but also takes into account economic factors associated with long-term savings. In our Report to CDP, we also describe the projects to save energy that were implemented at various sites.

Investment in efficiency measures and renewable energies: to achieve an absolute reduction in our remaining emissions, we intend to invest €500 million through 2030 in renewable energies and in increasing the energy efficiency of our facilities and buildings. We are investing in process innovations, more efficient facilities and building technology, as well as in the implementation and optimization of energy management systems, particularly at our production sites. Capital expenditure projects are under way at various sites to advance the use of climate-neutral technologies such as geothermal energy or emissions-free steam production.

For more information:

- // Bayer 2021 Sustainability Report Chapter Sustainability Strategy
- // Bayer 2021 Sustainability Report Chapter 7.2 Climate Protection Climate Strategy
- // Bayer 2021 Sustainability Report Chapter 7.5 Climate Protection Energy
- // Bayer CDP Report Climate www.bayer.com/cdp-climate

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting						
Water	(1) Total water withdrawn, (2)	RT-CH-							
Management	total water consumed,	140a.1	Water Sourced						
	percentage of each in regions with High or Extremely High		Million m ³	2020	2021				
	Baseline Water Stress		Groundwater	21	21				
			Surface water	15	10				
			Drinking water supply	13	15				
			Rainwater	4	6				
			Wastewater from a different organization	1	1				
			Third parties ¹	3	2				
			Total water sourced	57	55				
			of which in water-scarce areas or areas threatened by water scarcity ²	3	3				
			¹ e.g. process water, water contained in raw materials ² As defined by the World Resources Institute, Aqueduct Water Risk Atlas						
	Number of incidents of non-	RT-CH- 140a.2	For more information: // Bayer 2021 Sustainability Report – Chapter 8.3 Environmental Protection and Safety – Water and Wastewater // Bayer CDP Report Water www.bayer.com/cdp-water The St. Louis site received a notice of violation from a permitting agency for initiating a construction project without obtaining a stormwater permit.						
	compliance associated with water quality permits, standards, and regulations		// Bayer 2021 Sustainability Report - Chapter 8.5 Environmental Protection	and Safety – E	Environmental Incidents				
	Description of water management risks and discussion of strategies and practices to mitigate those risks	RT-CH- 140a.3	Responsible water usage is a cornerstone of our commitment to sustainable development and is described in the Group Regulation on HSE Management and HSE Key Requirements. Clean water in sufficient quantities is essential for the health of people, animals and plants. That is why it is crucial that industrial water usage will continue not to lead to local problems such as water shortages for the people living in the catchment areas of our production sites. In our Water Position, we undertake to comply with international, national and local legislation to protect water resources, use them as sparingly as possible and further reduce emissions into water. In our water stewardship strategy, we address a variety of factors connected with water, from operational water use and innovative products, such as drought-resistant crops with a reduced water requirement, to our commitment in the value chain and cooperation with partners. We support the CEO Water Mandate of the U.N. Global Compact with the goal of working with key stakeholders to develop sustainable strategies for water usage. Since 2021, furthermore, we have been a member of the Water Resilience Coalition (WRC), the goals of which substantiate and supplement the ambitions of the CEO Water Mandate at the private-sector level. We also participate in the Water and Climate Leaders group of the World Meteorological Organization (WMO) to improve the global political framework and enhance the perceived relevance of this issue among the public. We are currently further developing our water strategy to better address the opportunities and risks associated with water stewardship in the future, especially in view of changing climatic conditions. In our annual response to the CDP Water Disclosure, we report in detail on our handling of water and the company-specific water footprint. This equates to a progress report for the CEO Water Mandate. We received an A- rating in 2021.						

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting					
		SASS GODE	Sites in water-scarce regions We aim to identify potential for improvement particularly at sites located in water-scarce areas or in areas identified as being threatened by water scarcity, and use as little water there as possible. The regions in which water consumption exceeds the available renewable surface and groundwater resources were identified using the Aqueduct Water Risk Atlas of the World Resources Institute (WRI). By the end of 2020, we had already established water management systems at all relevant sites in regions threatened by water scarcity. The relevant Bayer sites in this context are all locations with energy consumption of at least 1.5 terajoules per year that at the same time account for at least 0.1% of the Group's global water consumption. The key characteristics of a sustainable water management policy are a balance between water consumption and availability, as well as the optimal conservation of water resources. Due to widely varying local situations, each water management system is designed individually on the basis of a detailed risk analysis that takes into account local circumstances and the main parameters of our water supply and disposal. The identified risks necessitate locally adapted countermeasures such as the establishment of alternative supply sources, the improvement of wastewater quality or wastewater recirculation. These activities are accompanied by management measures such as regular employee training in water management or participation in round tables with regulatory authorities and residents. We are aware that climate change will further exacerbate the problem of water scarcity in the future. To avert future risks for our production capacities and the local communities, we will establish by 2023 suitable water management systems at all relevant sites that will be threatened by water scarcity by 2030. We identify such sites using the base scenario of the WRI. For more information: // Bayer 2021 Sustainability Report - Chapter 8.3 Environmental Protection and Saf					
Hazardous Waste Management	Amount of hazardous waste generated, percentage recycled	RT-CH- 150a.1	Hazardous Waste Generated					
anagoon	100,0.00		1,000 metric tons	2020	2021			
			Total hazardous waste generated	305	316			
			of which from production	301	303			
			of which from construction work	4	13			
			2020 figures restated The proportion of hazardous waste that was recy For more information: // Bayer 2021 Sustainability Report – Chapter 8		Protection and	I Safety – Waste and Recycling		
Community Relations	Discussion of engagement processes to manage risks and opportunities associated with community interests	RT-CH- 210a.1	or more information: / Bayer 2021 Sustainability Report - Chapter 8.4 Environmental Protection and Safety - Waste and Recycling / Bayer 2021 Sustainability Report - Chapter 1.3 The Company - Value Added / Bayer 2021 Sustainability Report - Chapter 2.2 Corporate Governance - Behavioral Principles (BASE) / Bayer 2021 Sustainability Report - Chapter 2.8 Corporate Governance - Risk Management / Bayer 2021 Sustainability Report - Chapter 2.10 Corporate Governance - Stakeholder Dialogue / Bayer 2021 Sustainability Report - Chapter 8.8 Environmental Protection and Safety - Plant Safety / Bayer 2021 Sustainability Report - Chapter 8.10 Environmental Protection and Safety - Emergency and Crisis Management / Bayer 2021 Sustainability Report - Chapter 9.2 Charitable Giving and Foundations - Our Giving in 2021					

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting			
Workforce	(1) Total recordable incident	RT-CH-				
Health &	rate (TRIR) and (2) fatality	320a.1	Recordable Occupational Injuries ¹			
Safety	rate for (a) direct employees and (b) contract employees			2020	2021	
			Number of occupational injuries	390	441	
			of which Bayer employees	335	375	
			of which employees of contractors under direct Bayer supervision	55	66	
			Overall rate of occupational injuries (RIR²)	0.32	0.37	
			Rate of occupational injuries with lost workdays (LTRIR³)	0.20	0.21	
			Fatal occupational injuries	6	6	
			of which Bayer employees	2	2	
			of which employees of contractors under direct Bayer supervision	4	4	
			¹ The figures include Bayer employees and employees of contractors whose accidents ² RIR = Recordable Incident Rate ³ LTRIR = Lost Time Recordable Incident Rate The basis of our reporting on occupational injuries is the Recordable by Bayer employees and employees of contractors under the direct s As a result, the RIR covers injuries and occupational illnesses both wi worked, which is equivalent to 441 occupational injuries worldwide (2 statistical terms, this means that one recordable incident occurred for constituted 249 of the total of 441 occupational injuries, meaning tha rose slightly from 0.20 in 2020 to 0.21 in 2021. The continued low nu which was considerably expanded as a protective measure in connect Regrettably, two employees lost their lives in work-related accidents i City, Missouri, United States, an employee died after contracting COV worktime. For more information:	Incident Rate (RI upervision of Bay th and without to 020: 390). The Formore than every the correspond mber of occupation with the CO n 2021. An emple	R), which cover leading to best workdays. RIR thus came 7534,000 ho ing paramete ional injuries VID-19 pando oyee died in sections.	vers all occupational injuries and illnesses suffered o medical treatment that goes beyond basic first aid. In 2021, it rose to 0.37 cases per 200,000 hours e in below the defined target for 2021 of 0.39. In burs worked. Recordable injuries with lost workdays er, the Lost Time Recordable Incident Rate (LTRIR), was due in part to increased working from home, lemic. a road accident in Isando, South Africa. In Kansas
	Description of efforts to	RT-CH-	// Bayer 2021 Sustainability Report – Chapter 8.6 Environmental Pro The workplaces of our employees and those of contractors under the		•	•
	assess, monitor, and reduce exposure of employees and contract workers to long-term (chronic) health risks	320a.2	related risk assessment and hazard analysis by Bayer experts that als measures are set out in a Group regulation. Measures derived from this analysis to protect the health of our employee organizational protective measures and 4) personal protective measures. In addition to the appraisals by experts, both our employees and thos dangerous situations to their supervisors or via the compliance hotline. On top of country-specific regulations regarding mandatory examinati mandatory basis – in all countries in which this is legally permissible. Within the context of our occupational health and safety management prevention of accidents and safety incidents and promotion and main special training courses on the safe handling of chemical substances environment that promotes health. Overall, more than 83,481 employ	so covers possible of covers possible of contractors of contractors on cons, we offer out, Bayer employed tenance of employed to web-based tr	e exposure of hierarchy: 1) and targeted so are urged to remployees and those byee health.	of employees to chemicals. Details of these a) substitution, 2) technical protective measures, 3) studies are designed to prevent occupational illnesses. b immediately report work-related hazards or regular medical examinations – in some cases on a e of contractors receive extensive training in the The measures range from safety briefings and lighlights the advantages and possibilities of a work

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting
			For more information: // Bayer 2021 Sustainability Report – Chapter 8.6 Environmental Protection and Safety – Occupational Health and Safety // Bayer 2021 Sustainability Report – Chapter 8.7 Environmental Protection and Safety – Biological Safety // Bayer 2021 Sustainability Report – Chapter 8.8 Environmental Protection and Safety – Plant Safety
Product Design for Use-phase Efficiency	Revenue from products designed for use-phase resource efficiency	RT-CH- 410a.1	Global agriculture and food systems are confronted with major challenges, such as climate change, water scarcity and population growth. Scientists and U.N. organizations expect the world population to grow to around 10 billion people by 2050 – an increase of around two billion people relative to 2020. In addition, both the Food and Agriculture Organization (FAO) of the United Nations and the World Resources Institute (WRI) envisage a 50% increase in the demand for food and animal feed by 2050. The demand for animal-based protein and thus also for animal feed is expected to increase further, especially in the emerging markets. At the same time, the already limited farmland will decline due to climate change, water problems, soil erosion and other factors. The agricultural sector therefore has to meet the needs of a growing population, while at the same time promoting sustainability and protecting our ecosystems.
			Intensive agriculture with high yields per hectare of farmland is a crucial factor for ensuring the continued availability of high-quality and affordable food. Agricultural intensification leads to less land being required for the same amount of food produced. While agricultural yields have grown by 60% over the past 40 years, the amount of agricultural land has increased by only 5%. This productivity increase was substantially enabled by technological developments in the areas of plant breeding and – since the 1990s – plant biotechnology as well as fertilization, irrigation and crop protection. Insecticides and fungicides have played a crucial part in minimizing harvest losses. Crops compete with weeds for water, nutrients and light; herbicides help to reduce this competition.
			Bayer helps farmers cultivate more food for a growing population while at the same time reducing the environmental impact of agriculture. Digital technologies play an important role here, as do improved seed and good agricultural practices. To reduce harvest losses caused by insect pests, competitors for nutrients or fungal infestation, we combine our high-performance seeds with the targeted use of crop protection products. We can therefore offer farmers a selection of these innovations and recommend optimal combinations that enable the use of agricultural production factors at the correct time and in the correct place.
			Our innovations in the areas of plant breeding and crop protection are designed to further improve both the quality and the quantity of harvests, while providing highest safety standards, and to enhance plants' resilience against insect pests, diseases and a changing climate. Sales are published in the Bayer 2021 Annual Report.
			For more information:
			// Bayer 2021 Annual Report - Chapter 1.3 Focus on Innovation - Crop Science
			// <u>Bayer 2021 Annual Report</u> - Chapter 2.2.2 Business Development by Division - Crop Science // Bayer 2021 Sustainability Report - Chapter Focus on: Agriculture
			// Bayer 2021 Sustainability Report – Chapter Focus on: Agriculture // Bayer 2021 Sustainability Report – Chapter 3.6 Product Stewardship – Crop Science
Safety & Environ- mental	(1) Percentage of products that contain Globally Harmonized System of	RT-CH- 410b.1.	The active ingredients we use in most of our finished products, such as pharmaceuticals and crop protection products, are or contain Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Category 1 and 2 Health and Environmental Hazardous Substances. Details on sales from relevant products are published in our <u>Bayer 2021 Annual Report</u> .
Stewardship of Chemicals	Classification and Labeling of Chemicals (GHS) Category 1 and 2 Health and Environmental Hazardous Substances, (2) percentage of such products that have undergone a hazard assessment		Bayer's finished products, such as pharmaceuticals, crop protection products, seeds and biocides, are subject to very stringent regulations prescribing specific and detailed approval and authorization procedures. As a result, our products cannot be sold on the market until they have been approved by a competent authority or an official registration has been granted. The prescribed efficacy and safety of the individual products must always be demonstrated as proven as a condition of their approval. An approval therefore only applies for a particular product with the formulation registered in the marketing authorization. Changes in the product composition (such as new formulations for crop protection products) require an additional authorization or registration. In addition to the regulation of finished products, extensive statutory regulations also apply to the chemical substances handled by Bayer during product manufacture. Chemical substances are subject to the respective regional chemical regulations. These include REACH in the European Union, the Lautenberg Chemical Safety Act (formerly TSCA) in the United States and the Measures for Environmental Management of New Chemical Substances (Order No. 7) of the Ministry of Environmental Protection (MEP) in China. To fulfill these requirements, we have approved Group-wide and division-specific regulations.

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting
			For more information: // Bayer 2021 Annual Report – Chapter 1.1.2 Group Structure // Bayer 2021 Annual Report – Chapter 2.2.2 Business Development by Division – Crop Science // Bayer 2021 Sustainability Report – Chapter 3.2 Product Stewardship – Regulatory Conditions // Bayer 2021 Sustainability Report – Chapter 3.6 Product Stewardship – Crop Science // Bayer 2021 Sustainability Report – Chapter 3.8 Product Stewardship – Pharmaceuticals and Consumer Health
	Discussion of strategy to (1) manage chemicals of concern and (2) develop alternatives with reduced human and/or environmental impact	RT-CH- 410b.2	Bayer's finished products, such as pharmaceuticals, crop protection products, seeds and biocides, are subject to very stringent regulations prescribing specific and detailed approval and authorization procedures. As a result, our products cannot be sold on the market until they have been approved by a competent authority or an official registration has been granted. The prescribed efficacy and safety of the individual products must always be demonstrated as proven as a condition of their approval. An approval therefore only applies for a particular product with the formulation registered in the marketing authorization. Changes in the product composition (such as new formulations for crop protection products) require an additional authorization or registration. In addition to the regulation of finished products, extensive statutory regulations also apply to the chemical substances handled by Bayer during product manufacture. Chemical substances are subject to the respective regional chemical regulations. These include REACH in the European Union, the Lautenberg Chemical Safety Act (formerly TSCA) in the United States and the Measures for Environmental Management of New Chemical Substances (Order No. 7) of the Ministry of Environmental Protection (MEP) in China. To fulfill these requirements, we have approved Group-wide and division-specific regulations.
			For more information: // <u>Bayer 2021 Sustainability Report</u> – Chapter 3.2 Product Stewardship – Regulatory Conditions // <u>Bayer 2021 Sustainability Report</u> – Chapter 3.6 Product Stewardship – Crop Science // <u>Bayer 2021 Sustainability Report</u> – Chapter 3.8 Product Stewardship – Pharmaceuticals and Consumer Health
Genetically Modified Organisms	Percentage of products by revenue that contain genetically modified organisms (GMOs)	RT-CH- 410c.1	Bayer is the world's leading agriculture enterprise, with businesses in crop protection, seeds and traits, and digital farming. We offer a broad portfolio of high-value seeds, improved plant traits, innovative chemical and biological crop protection products, digital solutions and extensive customer service for sustainable agriculture. Bayer specializes in high-quality seeds with groundbreaking traits that offer not just higher yields, but also improved weed control and more effective defense against insects. Our genetically modified plants containing Bacillus thuringiensis (Bt) control specific insect pests attempting to directly feed on the plant. Our herbicide-tolerant plants are tolerant to certain herbicides such as glyphosate or dicamba. This enables weeds in fields to be eliminated using herbicides without damaging the crops. Sales are published in the Bayer 2021 Annual Report. For more information: // Bayer 2021 Annual Report - Chapter 1.2 Strategy and Targets // Bayer 2021 Annual Report - Chapter 1.3 Innovation - Crop Science // Bayer 2021 Annual Report - Chapter 2.2.2 Business Development by Division - Crop Science // Bayer 2021 Sustainability Report - Chapter Focus on: Agriculture
Management of the Legal & Regulatory Environment	Discussion of corporate positions related to government regulations and/or policy proposals that address environmental and social factors affecting the industry	RT-CH- 530a.1	As a global life science enterprise, we are exposed to a wide range of internal and external developments and events that could significantly impact the achievement of our financial and nonfinancial targets. Opportunity and risk management is therefore an integral part of corporate management at Bayer. We have implemented a holistic and integrated risk management system designed to ensure the continued existence and future target attainment of the Group through the early identification, assessment and treatment of risks. Our risk management system is aligned to internationally recognized standards and principles such as the ISO 31000 standard of the International Organization for Standardization.

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting			
			For more information: // Bayer 2021 Annual Report – Chapter 3.2 Opportunit // Bayer 2021 Sustainability Report – Chapter 2.2 Corp // Bayer 2021 Sustainability Report – Chapter 2.3 Corp // Bayer 2021 Sustainability Report – Chapter 2.4 Corp // Bayer 2021 Sustainability Report – Chapter 2.5 Corp // Bayer 2021 Sustainability Report – Chapter 2.6 Corp // Bayer 2021 Sustainability Report – Chapter 2.8 Corp // Bayer 2021 Sustainability Report – Chapter 2.10 Corp // Bayer 2021 TCFD Report www.bayer.com/tcfd // Bayer Code of Conduct for Responsible Lobbying ht // Bayer Group Positions https://www.bayer.com/en/sig	orate Govern orate Govern orate Govern orate Govern orate Govern porate Govern porate Govern tps://www.ba	nance – Be nance – Tra nance – Bio nance – Ste nance – Co nance – Ris rnance – S	Insparency Dethics Detring and Management Systems Detring and Management Systems Detring and Management Systems Detring and Management Detring and Detring
Operational Safety, Emergency Prepared- ness & Response	Process Safety Incidents Count (PSIC), Process Safety Total Incident Rate (PSTIR), and Process Safety Incident Severity Rate (PSISR)	RT-CH- 540a.1	safety. This is integrated into the Group-wide reporting some Chemical Associations (ICCA). Process safety incidents defined thresholds leak from their primary containment, incidents per 200,000 hours worked. In 2021, the PSI-F	system. Repo (PSIs) refer to such as pipe R was 0.08 (2) Process Safe	orting of thi o incidents lines, pum 020: 0.08)	(KPI) Process Safety Incident Rate (PSI-R) as an indicator for plant is indicator is based on the requirements of the International Council of during which amounts of chemical substances or energy that exceed one, tanks or drums. The PSI-R indicates the number of process safety A total of 96 process safety incidents occurred in 2021 (Process Safety to Severity Rate (PSI-SR). We report this according to the grading system
			Process Safety Incidents ¹			
				2020	2021	
			Process Safety Incident Count (PSI-C) ¹	92	96	
			Process Safety Incident Rate (PSI-R) ^{1,2}	0.08	0.08	
			Process Safety Incident Severity Rate (PSI-SR) ^{1,3}	0.21	0.14	
			 According to ICCA (International Council of Chemical Associations) Number of PSI incidents per 200,000 hours worked Degree of severity for all PSI incidents per 200,000 hours worked 			
			throughout the Bayer Group. The reporting thresholds a	re intentionall are systemati	ly set at su ically recor	I relevant findings are communicated to potentially affected sites ch a low level that even material and energy leaks that have no impact ded and reported. We pursue this preventive approach so that occur.
			For more information: // Bayer 2021 Sustainability Report - Chapter 8.8 Envir	onmental Pro	otection an	d Safety – Plant Safety

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting			
	Number of transport incidents	RT-CH- 540a.2	31 of the 32 transport incidents in 2021 constituted road transport accidents, with one being an accident at sea. Nor also an environmental incident.	ne of the t	ransport ir	ncidents w
			Transport and Environmental Incidents 2021			
				Trans- port	Environ- ment	Personal injury
			Crop Science, Des Moines, United States, January 4			
			The rear of a truck caught fire and ignited the loaded trailer. The damaged product was cleaned up and properly disposed of.	X	_	_
			Crop Science, Lubbock, United States, January 20 A vehicle overturned and 295 sacks filled with cotton seeds fell out. Local authorities were involved due to the overturning of the vehicle.	X	_	-
			Crop Science, Kansas City, United States, January 27			
			An excessive amount of product was loaded into a tank truck. The product spilled onto the loading ramp and was captured in the tank farm containment unit.	X	_	_
			Crop Science, Lubbock, United States, January 27 A truck's tandem axle caught fire, and the driver unhooked the truck from the trailer. The trailer, filled with cotton seeds, was destroyed by the fire. Local authorities were involved, and a traffic lane was blocked off.	Х	_	_
			Crop Science, Kearney, United States, February 3			
			A tractor with a trailer became caught under a bridge. Local authorities were informed, and a traffic lane was blocked off until the vehicle could be freed.	X	_	-
			Crop Science, Greensburg, United States, February 12 As a truck drove uphill, a load strap on one side of the truck's trailer came loose, causing part of the load to move and some of the seeds being transported to spill and cover the road. The road was blocked off for about an hour under police supervision. The seeds were cleaned up and properly disposed of.	X	_	_
			Crop Science, Lubbock, United States, February 22			
			A truck overturned and lost its load in the process. A traffic lane was blocked off due to the spill. The product was cleaned up and properly disposed of. Local authorities were involved.	X	-	-
			Crop Science, Waco, United States, March 10	-		
			A truck pulling a trailer went into a slide during poor weather conditions and landed in a ditch. The packages of seeds being transported were damaged. The road was blocked off, and local authorities were involved.	X	_	-
			Crop Science, Plainfield, United States, March 29			
			While unloading a truck, the driver fell from the loading area and injured himself. The driver underwent medical treatment.	X	_	X
			Crop Science, Kearney, United States, April 9	= ====		
			A truck overturned in an accident that damaged the tractor unit, trailer and product. The product was cleaned up and properly disposed of. The driver was uninjured. Local authorities were involved.	X	-	_

Crop Science, Ettrick, United States, April 23 On a serpentine road, a tanker collided with a truck carrying Bayer seeds that was traveling in the opposite direction. The truck left the road and overturned. Both drivers were injured and underwent medical treatment. The seeds were cleaned up and properly disposed of. Police officers, emergency medical personnel and local authorities were called in.	X	_	Х	
Crop Science, Des Moines, United States, April 26 A truck suffered two flat tires, an event that caused the load of seeds to shift and spill. The seeds were cleaned up and properly disposed of. Local authorities were involved.	X	_	-	
Crop Science, Malaysia, April 29 A truck's trailer caught fire, and a product pallet was damaged. Firefighters extinguished the blaze.	Χ	-	-	
Crop Science, Evans Mills, United States, April 30 While a truck was maneuvering around a utility pole, its trailer became caught on the pole and pulled the pole from its foundation. The police were called, and local authorities involved.	X	_	_	
Crop Science, Muscatine, United States, May 3 A trailer was damaged during the collision of two trucks. Police were called in and traffic lanes were blocked off.	X	_	X	
Crop Science, St. Louis – Creve Coeur, United States, May 17 A ship loaded with two product tanks reported that one of the tanks had been damaged. No leak occurred, but the contents had to be reloaded into another vessel for safety reasons before the product could be transported further by train.	Х	-	-	
Crop Science, Winnipeg, Canada, June 4 A transport trailer veered into the oncoming lane of traffic and collided with a truck. The truck was thrown into a ditch and caught fire. The transport trailer of a truck traveling behind the first vehicle also caught fire. Two people were injured, and one person was killed.	Х	_	Х	
Crop Science, Columbia, United States, June 8 A passenger car drove into a truck that had been parked for loading purposes and damaged the trailer. Local authorities were informed.	X			
Crop Science, Louisa County, United States, June 15 A tractor-trailer ran into the back of a passenger car that was standing still. The car then struck another vehicle. One person was injured and one killed in the accident. Local authorities were involved.	Х		Х	
Crop Science, Luling, United States, July 3 A tank filled with sulfuric acid leaked, and a small amount of the acid reached the area outside the diked containment.	_	X	-	
Crop Science, Hollandale, United States, July 9 A trailer's axle caught fire, and the trailer then caught fire as well. Local authorities blocked off the traffic lane. Some of the product burned, and some of it leaked.	X			
Crop Science, St. Louis – Creve Coeur, United States, September 13 An excessive amount of product was filled into a vessel during a loading operation. It then flowed into a spill basin and was disposed of.	X	_		
Crop Science, St. Louis – Creve Coeur, United States, September 14 A leak developed in one of five containers being transported in a truck's trailer. The product was cleaned up and disposed of.	X	_	_	
Crop Science, St. Louis - Creve Coeur, United States, September 26 A tractor-trailer was hit by another truck with a trailer on a parking lot. Local authorities were involved.	X			

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting			
			Crop Science, St. Louis – Creve Coeur, September 27 While making a turn, an empty tank truck was hit by a minivan. Local authorities were involved.	Х	_	_
			Crop Science, Hyderabad Shameerpet RC, India, October 24 A pedestrian was killed after being struck by a truck. Local authorities were involved.	X		X
			Crop Science, St. Louis – Creve Coeur, United States, November 1 A truck with a trailer overturned. The driver suffered minor injuries.	X		X
			Crop Science, St. Louis – Creve Coeur, United States, November 18 A truck overturned due to strong winds during a storm.	X	_	_
			Crop Science, St. Louis – Creve Coeur, United States, December 4 A truck driver drove too fast onto a ramp, causing the load to slide and the tractor-trailer to turn over onto its side.	X	_	_
			Crop Science, St. Louis – Creve Coeur, United States, December 7 A truck loaded with seeds overturned. The seeds were cleaned up and properly disposed of.	X	_	_
			Crop Science, Dormagen, Germany, December 9 During a cleaning job, a contractor employee used a 20% solution of sodium hydroxide as a flushing fluid instead of water while working with a high-pressure lance. Some of the sodium hydroxide solution was sprayed by the high-pressure lance, but most was released when a draining nozzle on the cleaning vehicle was opened. The contractor employee was killed.	-	Х	X
			Crop Science, Muscatine, United States, December 15 Natural gas was introduced into a process flaring system when the burner was not ignited. This resulted in the release of natural gas.	_	Х	_
			Crop Science, St. Louis – Creve Coeur, United States, December 20 A truck's trailer caught fire for unexplained reasons.	X		
			Crop Science, St. Louis – Creve Coeur, United States, December 23 A truck carrying a load of seeds was hit by a tractor. The road was blocked off, and local authorities were called in.	X	_	
			Crop Science, St. Louis – Creve Coeur, United States, December 27 While a truck was turning into a narrow entrance, the vehicle's trailer overturned into a ditch.	X		_

Activity Metrics

SASB Activity Metric	SASB Code	
Production by reportable segment	RT-CH- 000.A	For more information: // Bayer 2021 Annual Report – Chapter 2.2.2 Business Development by Division – Crop Science

AGRICULTURAL PRODUCTS

Sustainability Disclosure Topics & Accounting Metrics

SASB Topic	SASB Accounting Metric	SASB Code	e Bayer Reporting					
Greenhouse Gas Emissions	Gross global Scope 1 emissions	FB-AG- 110a.1	See above: Indicator Chemicals – "Greenhouse Gas Emissions – Gross global Scope 1 emissions, percentage covered under emissions-limiting regulations – RT-CH-110a.1"					
	Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets	FB-AG- 110a.2	See above: Indicator Chemicals – "Greenhouse Gas Emissions – Discussion of long-term and short-term strategy or plan to manage Scope 1 emissions, emissions reduction targets, and an analysis of performance against those targets – RT-CH-110a.2"					
	Fleet fuel consumed,	FB-AG- 110a.3						
	percentage renewable	110a.5	Primary Energy Consumption					
			Terajoules 2020 2021 Liquid fuels for vehicle fleet/transport 2,480 2,194					
			For more information: // <u>Bayer 2021 Sustainability Report</u> - Chapter 7.5 Climate Protection - Energy // Bayer CDP Report Climate <u>www.bayer.com/cdp-climate</u>					
Energy Management	(1) Operational energy consumed, (2) percentage grid electricity, (3) percentage renewable	FB-AG- 130a.1	See above: Indicator Chemicals – "Energy Management – (1) Total energy consumed, (2) percentage grid electricity, (3) percentage renewable, (4) total self-generated energy – RT-CH-130a.1"					
Water Management	(1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress	FB-AG- 140a.1	See above: Indicator Chemicals – "Water Management – (1) Total water withdrawn, (2) total water consumed, percentage of each in regions with High or Extremely High Baseline Water Stress – RT-CH-140a.1"					
	Description of water management risks and discussion of strategies and practices to mitigate those risks	FB-AG- 140a.2	See: Indicator Chemicals – "Water Management – Description of water management risks and discussion of strategies and practices to mitigate those risks – RT-CH-140a.3"					

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting
	Number of incidents of non- compliance associated with water quantity and/or quality permits, standards, and regulations	FB-AG- 140a.3	See above: Indicator Chemicals – "Water Management – Number of incidents of non-compliance associated with water quality permits, standards, and regulations – RT-CH-140a.2" For more information: // Bayer 2021 Sustainability Report – Chapter 8.5 Environmental Protection and Safety – Environmental Incidents
Food Safety	Global Food Safety Initiative (GFSI) audit (1) non-conformance rate and (2) associated corrective action rate for (a) major and (b) minor non-conformances	FB-AG- 250a.1	Not applicable
	Percentage of agricultural products sourced from suppliers certified to a Global Food Safety Initiative (GFSI) recognized food safety certification program	FB-AG- 250a.2	Not applicable
	(1) Number of recalls issued and (2) total amount of food product recalled	FB-AG- 250a.3	Not applicable
Workforce Health & Safety	(1) Total recordable incident rate (TRIR), (2) fatality rate, and (3) near miss frequency rate (NMFR) for (a) direct employees and (b) seasonal and migrant employees	FB-AG- 320a.1	See above: Indicator Chemicals – "Workforce Health & Safety – (1) Total recordable incident rate (TRIR) and (2) fatality rate for (a) direct employees and (b) contract employees – RT-CH-320a.1" Seasonal and migrant employees are included. Near miss frequency rate (NMFR) is not reported.
Environ- mental & Social Impacts of Ingredient Supply Chain	Percentage of agricultural products sourced that are certified to a third-party environmental and/or social standard, and percentages by standard	FB-AG- 430a.1	We are a member of the renowned organizations Roundtable on Sustainable Palm Oil (RSPO) and Round Table on Responsible Soy (RTRS). As regards palm oil, we use credits according to the book & claim procedure of the Roundtable on Sustainable Palm Oil (RSPO). Beginning in 2022, we will successively transition to the mass balance supply chain standard of the RSPO. For more information: // Bayer Supplier Management website https://www.bayer.com/en/sustainability/supplier-management
	Suppliers' social and environmental responsibility audit (1) non-conformance rate and (2) associated corrective action rate for (a) major and (b) minor non-conformances	FB-AG- 430a.2	The core principles of our sustainability requirements are established in Bayer's Supplier Code of Conduct, which is based on our Bayer Human Rights Policy, the principles of the U.N. Global Compact and the core labor standards of the International Labour Organization (ILO). For more information: // Bayer 2021 Sustainability Report - Chapter 4.2 Procurement - Sustainability in the Supply Chain // Bayer 2021 Sustainability Report - Chapter 5. Human Rights // Bayer Supplier Code of Conduct https://www.bayer.com/sites/default/files/supplier-code-of-conduct-guidance-EN.pdf // Bayer Supplier Code of Conduct Guidance https://www.bayer.com/sites/default/files/Bayer_Supplier-code-of-conduct-guidance-EN.pdf

SASB Topic	SASB Accounting Metric	SASB Code	Bayer Reporting
	Discussion of strategy to manage environmental and social risks arising from contract growing and commodity sourcing	FB-AG- 430a.3	We expect our suppliers to comply with the requirements of our Supplier Code of Conduct, which is based on our Bayer Human Rights Policy, the principles of the U.N. Global Compact and the core labor standards of the ILO. For more information: // Bayer 2021 Sustainability Report - Chapter 4. Procurement - Sustainability in the Supply Chain // Bayer 2021 Sustainability Report - Chapter 5. Human Rights // Bayer Supplier Code of Conduct https://www.bayer.com/sites/default/files/supplier-code-of-conduct-guidance-EN.pdf // Bayer Supplier Code of Conduct Guidance https://www.bayer.com/sites/default/files/Bayer_Supplier-code-of-conduct-guidance-EN.pdf
GMO Management	Discussion of strategies to manage the use of genetically modified organisms (GMOs)	FB-AG- 430b.1	Bayer is the world's leading agriculture enterprise, with businesses in crop protection, seeds and traits, and digital farming. We offer a broad portfolio of high-value seeds, improved plant traits, innovative chemical and biological crop protection products, digital solutions and extensive customer service for sustainable agriculture. Bayer specializes in high-quality seeds with groundbreaking traits that offer not just higher yields, but also improved weed control and more effective defense against insects. Our genetically modified plants containing Bacillus thuringiensis (Bt) control specific insect pests attempting to directly feed on the plant. Our herbicide-tolerant plants are tolerant to certain herbicides such as glyphosate or dicamba. This enables weeds in fields to be eliminated using herbicides without damaging the crops. Sales are published in the Bayer 2021 Annual Report. For more information: // Bayer 2021 Annual Report - Chapter 1.1.2 Corporate Structure // Bayer 2021 Annual Report - Chapter 1.3 Innovation - Crop Science // Bayer 2021 Annual Report - Chapter 1.3 Innovation - Crop Science // Bayer 2021 Annual Report - Chapter 5.2.2 Business Development by Division - Crop Science // Bayer 2021 Sustainability Report - Chapter Focus on: Agriculture
Ingredient Sourcing	Identification of principal crops and description of risks and opportunities presented by climate change		For more information: // Bayer 2021 Sustainability Report - Chapter 7.3 Climate Protection - Risk and Opportunity Analysis // Bayer 2021 TCFD Report www.bayer.com/tcfd
	Percentage of agricultural products sourced from regions with High or Extremely High Baseline Water Stress		Not applicable

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Activity Metrics

SASB Activity Metric	SASB Code	
Production by principal crop	FB-AG- 000.A	Not applicable
Number of processing facilities	FB-AG- 000.B	Not applicable
Total land area under active production	FB-AG- 000.C	Not applicable
Cost of agricultural products sourced externally	FB-AG- 000.D	Not applicable

Masthead

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