

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 Participants | Discussion, by world region, of management process for ensuring quality and patient | 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. 1. The first model is functional service provision, where CRO staff are engaged by Bayer in order to supplement internal resources. In this case, the |
| | safety during clinical trials | | 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 of the full outsourcing model: |
| | | | Contingent Contracting Model, containing fixed price and bonus/penalty Operating Model, with clear responsibilities and the CRO operating with its own resources, processes and IT systems 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 Clinical Trial Explorer 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: |
| | | | // <u>Bayer 2023 Sustainability Report</u> – 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/ // http://www.clinicaltrials.gov/ |

| SASB Topic | SASB Accounting Metric | SASB Code | Bayer Reporting |
|----------------------------|---|------------------|--|
| | 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 2023, no US FDA Good Clinical Practice or pharmacovigilance inspections were conducted, either at clinical investigator sites or at company facilities. |
| | 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 2023 Sustainability Report – Sustainability Strategy chapter // Bayer 2023 Sustainability Report – Focus on: Access to Health Care chapter // Access to Medicine Foundation 2022 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 | // <u>Bayer 2023 Sustainability Report</u> – Focus on: Access to Health Care chapter // Access to Medicine Foundation 2022 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 US product portfolio compared to previous year | HC-BP- 240b.2 | From 2022 to 2023, the Bayer US portfolio WAC for prescription products increased by 5.0%. |
| | 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 |

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|----------------------|---|------------------|--|--|--|--|--|--|
| 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 | | | | | |
| | Number of recalls issued, total units recalled | HC-BP- 250a.3 | https://www.fda.gov/safety/recalls-market-withdrawals-safety-alerts?search_api_fulltext=Bayer&field_regulated_product_field=All (1 for 2023, 0 for 2022) https://www.accessdata.fda.gov/scripts/ires/index.cfm#tabNav_advancedSearch | | | | | |
| | Total amount of product accepted for takeback, reuse or disposal | HC-BP- 250a.4 | The disposal of pharmaceutical products is subject to strict safety criteria. Whenever possible within the framework of legal regulations, we make use of the opportunities in our divisions to recycle solvents, catalysts and intermediates and return them to the production process following treatment. For products such as pharmaceuticals and crop protection products, reutilization and recycling are usually prohibited by legislation. Packaging materials are recycled in line with national regulations as part of the country-specific infrastructure for waste disposal. Through a returns program, we enable doctors' offices and hospitals to send remaining stock or unused supplies of the iodinated X-ray contrast agent iopromide and our gadolinium-containing contrast agent from our customers. The residues are collected in special containers that can be obtained from Bayer for free and that an external service provider picks up on our behalf. This makes our system customer-friendly and participation easier for medical personnel. A patented recycling process is employed to recover iodine and return it to the industrial supply chain. The recovered iodine can be used for many different purposes, but not for the production of contrast agents themselves as the legal quality requirements for medicinal products do not permit this. Also, old injectors are taken back, refurbished or repaired and reused as spare parts. // Bayer 2023 Sustainability Report – Chapter 3.8 Pharmaceuticals and Consumer Health // Bayer 2023 Sustainability Report – Chapter 8.4 Environmental Protection – Waste and Recycling – Disposal, recycling and processing | | | | | |
| | 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 manufacturing sites are classified as NAI (no action indicated) or VAI (voluntary action indicated) by the 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 2023 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 2023 Sustainability Report - Chapter 3.5 Product Stewardship - Protection against Product Counterfeiting | | | | | |

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|---|---|------------------|---|--|--|--|--|--|
| | 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 2023 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 | | | | | |
| | 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. 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 2023 Sustainability Report— Chapter 2.6 Corporate Governance — Compliance — Marketing compliance and the validity of recognized standards // 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 | | | | | |
| 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 2023 Sustainability Report— Chapter 6.7 Employees— Employee Development and Integration | | | | | |

| SASB Topic | SASB Accounting Metric | SASB Code | Bayer Repor | ting | | | | | | |
|------------|---|-----------|--|--|---|---|---|--|--|---|
| | (1) Voluntary and (2) | HC-BP- | Fluctuation | | | | | | | |
| | involuntary turnover rate for: (a) executives/senior | 330a.1 | | | | Voluntary | | | Total | |
| | managers, (b) mid-level | | % | 2021 | 2022 | 2023 | 2021 | 2022 | 2023 | |
| | managers, (c) professionals, and (d) all others | | Women | 6.7 | 6.2 | 5.3 | 12.6 | 12.1 | 11.2 | |
| | | | Men | 5.9 | 5.7 | 5.2 | 11.8 | 12.2 | 11.4 | |
| | | | Total | 6.2 | 5.9 | 5.2 | 12.1 | 12.2 | 11.3 | |
| | | _ | | mation on fluctu Sustainability I | , , | , , | • | oloyment in D | etail | |
| Business | 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 Total amount of monetary | HC-BP- | development a The quality ma applicable lega registration, pr manufacture o Pharmacovigila guidelines of th Internal expert in developmen providers, our corrective mea relevant standa In addition to t verify compliar GMP certificate For more inform // Bayer 2023 | and manufacture magement system and manufacture and definition and definition and definition and definition and external attand production suppliers and consures verified a pards, are regulated internal quance with the varies or in the formation: | e of pharmace of the Pharmace | ceuticals and a parmaceuticals armaceuticals purements for these standards of a cood Manufertifications surence on Harm gularly conductivers. Observals. The quand integrate e mechanisms I and internatial producer pagarmaceutical producer pagarmaceuticals. | medical devices and Consumall stages of disparticularly acturing Pracech as those for individual trisk-based product speciposervations mality requiremed into our quase, all our sites onal requiremermit). All our | tes are subjective Health divided the provision of include the strice (GMP), Courthe manufallechnical Recaudits to verallections. Subject to the manufallection of the strice of the str | ct to very st visions is bat of a pharm rules for good Distrib acture of mequirements the properties of the properties o | reuticals and medical devices. That's why both the rict quality requirements. It is a medical device – from development to aceutical or a medical device – from development to od working practice (GxP) in the development and pution Practice (GDP), Good Clinical Practice (GCP), Good Clinical Practice (GCP), Good Clinical devices (e.g. ISO 17025 and 13485), and the for Registration of Pharmaceuticals for Human Use). Index with the statutory requirements and relevant standard also cover institutes subcontracted by Bayer, service are systematically evaluated and compliance with tory requirements, permits and authorizations, and from 1. By the health authorities of the respective countries to reding to the respective product category (e.g. through ed certifications in 2023. |
| Ethics | losses as a result of legal proceedings associated with corruption and bribery | 510a.1 | поптеропеа | | | | | | | |

| SASB Topic | SASB Accounting Metric | SASB Code | Bayer Reporting | | | | | |
|------------|---|------------------|--|--|--|--|--|--|
| | Description of code of ethics governing interactions with | 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. | | | | | |
| | health care professionals | | 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. 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: | | | | | |
| | | | // <u>Bayer 2023 Sustainability Report</u> - Chapter 2.6 Corporate Governance - Compliance - Marketing compliance and the validity of recognized standards // 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 2023 Annual Report - Chapter 1.1.2 Corporate Structure // Bayer 2023 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- | RT-CH- 110a.1 | In reporting greenhouse gas emissions, we take acco from our own power plants, vehicles, waste incinerati whose annual energy consumption exceeds 1.5 terajo | on plants and p | | | | |
| | limiting regulations | | Greenhouse Gas Emissions (Scope 1 and 2) | | | | | |
| | | | Million metric tons of CO ₂ equivalents | 2021 | 2022 | 2023 | | |
| | | | Scope 1: Direct emissions ¹ | 1.93 | 1.91 | 1.89 | | |
| | | | of which carbon dioxide (CO ₂) | 1.90 | 1.85 | 1.84 | | |
| | | | of which ozone-depleting substances | 0.011 | 0.011 | 0.003 | | |
| | | | of which partially fluorinated hydrocarbons (HFCs) | 0.014 | 0.039 | 0.040 | | |
| | | | of which nitrous oxide (N ₂ O) | 0.007 | 0.007 | 0.008 | | |
| | | | of which methane (CH ₄) | 0.003 | 0.003 | 0.003 | | |
| | | | In 2023, Bayer participated in European emissions traemissions. For more information: // Bayer 2023 Sustainability Report - Chapter 7.4 Cl // Bayer CDP Report Climate www.bayer.com/cdp-c | imate Protectio | · | | | s of CO ₂ |
| | 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 | We support the Paris Agreement and the objective of climate neutrality at our own sites a Group target for absolute 42% compared to the base year 2019 by the based] from Bayer sites whose annual energy consuntacknowledged by the SBTi. We aim to reduce greenh (compared to the 2019 base year) by 2029. In accordance 3 categories of the GHG Protocol Corporate Value Chand services, (3.2) capital goods, (3.3) fuel- and energative was also reviewed and acknowledged by the Son our Group targets, please see our Sustainability Resembles as a compared with the goals of the Paris Agreement of expression of commitment to net-zero greenhouse gain partnership with the UN Global Compact and the Western side of the paris Agreement of expression in renewable energies and in increasing the more efficient facilities and building technology, an production sites. Capital expenditure projects are energy or emissions-free steam production. | 2030 within our e end of 2029 (nption exceeds ouse gas emissions in Groupe of the chain (Scope 3) / 2y-related activ BTi. An increase port 2023 - C gas emissions in the GHG Proto 2015. The targus emissions, the Mean Busing rigies: To achie energy efficier in the implement of the control of | r climate prog comprises dir 1.5 terajoules sions from relations from the criteria set out Accounting & ities, (3.4) (upsed reduction hapter 7. Clim neluding our exped). This target has been see company ares Coalition. The anabsolution our facilinentation and | ram. We intend the ect emissions [Sists]. This target on evant Scope 3 care by the Science Reporting Stand stream) transportarget is current nate Protection. The entire value chains at the entire value the entire that the entire that entire entire | to reduce our own greenhouse gas emission cope 1] and indirect emissions [Scope 2, man the pathway to a 1.5°C scenario was review at egories in our supply chain by an absolute a Based Targets initiative (SBTi), the following dard are relevant for Bayer: (3.1) purchased gottation and distribution and (3.6) business tractly being reviewed by the SBTi. For more inform by 2050 or earlier (entire Scope 1, 2 and 3 ed in accordance with the criteria of the SBT SBTi and is currently being evaluated. As an ausiness Ambition for 1.5°C, a campaign of the curremaining emissions, we intend to invest egs by 2030. We are investing in process inno energy management systems, particularly at | as by an arket-wed and 12.3% Is Scope goods avel. This armation Ti and is a external the SBTi 2500 Dovations, our |

| SASB Topic | SASB Accounting Metric | SASB Code | Bayer Reporting | | | | | | | | |
|-------------|---|------------------|--|--|---------------------|-----------|---|--|--|--|--|
| | | | // We will offset those of our emissions (Scope 1 and 2) that still remain following reduction through technological measures and cannot be a (such as greenhouse gas emissions generated by chemical processes or through business travel) by purchasing offsets from climate prote projects that meet recognized quality standards. By doing so, Bayer aims to achieve climate neutrality at all its own sites (comprises direct [Scope 1] and indirect emissions [Scope 2, market-based] from Bayer sites whose annual energy consumption exceeds 1.5 terajoules) by 2030, the remaining greenhouse gas emissions of our own operations will be fully offset by purchasing carbon offsets from verified climate projects, especially in the areas of forest conservation and agriculture. However, our focus is on further reducing our emissions. | | | | | | | | |
| | | | In 2023, we looked at the risks and opportunities stemming from the effects of climate change from various perspectives to evaluate them even better in relation to our company and integrate them into our strategy and measures. Climate-related risks are already accounted for in our Group-wide enterprise risk management (ERM) system. | | | | | | | | |
| | | | // Based on the Paris Agreement, the most important countries and regions in which Bayer operates have committed to limiting global warming by reducing 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 climate neutrality by 2050. Consequently, the EU is expected to further increase costs for the emission of greenhouse gases (e.g. through CO ₂ regulation such as the EU emissions trading system [EU-ETS] or a carbon tax), adjust financing incentives (e.g. through the EU taxonomy) and drive forward technological changes (e.g. through the promotion of renewable energies and hydrogen technologies). // China has committed to attaining net-zero emissions by 2060 and is therefore expected to introduce further regulations in this connection. | | | | | | | | |
| | | 27.00 | Through our strategy for achieving climaterisk of additional costs caused by the exp For more information: // Bayer 2023 Sustainability Report – Cha // Bayer 2023 Sustainability Report – Cha // Bayer 2023 TCFD Report www.bayer.o // Bayer CDP Report Climate www.bayer.o // Bayer CDP Rep | ected regulations. stainability Strategy chapte apter 7.2 Climate Protectic apter 7.3 Climate Protectic com/tcfd | er on – Decarbor | nization | on the pathway to a 1.5°C scenario, we are reducing the | | | | |
| Air Quality | Air emissions of the following pollutants: (1) NO _X (excluding | RT-CH- 120a.1 | Other Direct Air Emissions | | | | | | | | |
| | N ₂ O), (2) SO _x , (3) volatile organic compounds (VOCs), | | 1,000 metric tons | 2021 | 2022 | 2023 | | | | | |
| | and (4) hazardous air | | ODS ¹ | 0.0039 | 0.0042 | 0.0003 | | | | | |
| | pollutants (HAPs) | | VOCs ² | 0.43 | 0.46 | 0.44 | | | | | |
| | | | NO _x (nitrogen oxides) | 3.57 | 3.52 | 3.32 | | | | | |
| | | | SOx (sulfur oxides) 1 Ozone-depleting substances (ODS) according to tl 2 Volatile organic compounds (VOCs) excluding met | | 1.29 equivalents | 1.20 | | | | | |
| | | | For more information: // Bayer 2023 Sustainability Report - Cha | apter 8.2 Environmental Pr | rotection – Air | Emissions | | | | | |

| SASB Topic | SASB Accounting Metric | SASB Code | Bayer Reporting | | | |
|------------|--|------------------|--|--------|--------|--------|
| Energy | (1) Total energy consumed, | RT-CH- 130a.1 | Energy Consumption | | | |
| Management | (2) percentage grid electricity,(3) percentage renewable, (4) | 130a.1 | TJ | 2021 | 2022 | 2023 |
| | total self-generated energy | | Primary energy consumption | 18,071 | 17,525 | 17,283 |
| | | | Natural gas | 10,682 | 10,287 | 10,268 |
| | | | Coal | 608 | 571 | 543 |
| | | | Liquid fuels | 2,653 | 2,688 | 2,880 |
| | | | of which for vehicle fleet/transport | 2,194 | 2,121 | 2,360 |
| | | | Waste | 499 | 481 | 437 |
| | | | of which other ¹ | 1,068 | 1,162 | 1,196 |
| | | | Primary energy consumption for third-party companies | 2,561 | 2,335 | 1,959 |
| | | | Secondary energy consumption | 16,764 | 17,947 | 17,727 |
| | | | Electricity ² | 11,059 | 12,359 | 12,031 |
| | | | of which electricity from power grid | 8,325 | 8,335 | 7,771 |
| | | | of which electricity from renewable energies | 2,734 | 4,024 | 4,259 |
| | | | Steam | 4,381 | 4,259 | 4,340 |
| | | | of which steam from renewable energies | 82 | 92 | 95 |
| | | | Steam from waste heat (process heat) | 574 | 558 | 520 |
| | | | Cooling energy | 632 | 631 | 643 |
| | | | Secondary energy consumption for third-party companies | 118 | 140 | 194 |
| | | | Total energy consumption | 34,835 | 35,472 | 35,010 |

The 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 in line with 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 is also an economic factor because it enables 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 in renewable energies and in increasing the energy efficiency of our facilities and buildings by 2030.

We are investing in process innovations, more efficient facilities and building technology, and in the implementation and optimization of energy management systems, particularly at our production sites. Capital expenditure projects are underway at various sites to advance the use of climateneutral technologies such as geothermal energy or emissions-free steam production.

For more information:

- // Bayer 2023 Sustainability Report Sustainability Strategy chapter
- // Bayer 2023 Sustainability Report Chapter 7.2 Climate Protection Decarbonization
- // Bayer 2023 Sustainability Report Chapter 7.5 Climate Protection Energy
- // Bayer CDP Report Climate www.bayer.com/cdp-climate

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|---------------------|--|------------------|---|--------------------|----------------|-----------------|---|--|--|
| Water Management | (1) Total water withdrawn, (2) total water consumed, | RT-CH- 140a.1 | Water Use by Source | | | | | | |
| | percentage of each in regions | 1100.1 | Million m ³ | 2021 | 2022 | 2023 | | | |
| | with High or Extremely High | | Groundwater | 20.6 | 21.3 | 21.3 | | | |
| | Baseline Water Stress | | Surface water | 10.1 | 8.5 | 8.9 | | | |
| | | | Rainwater | 6.0 | 2.8 | 2.3 | | | |
| | | | Drinking water | 15.2 | 16.7 | 18.4 | | | |
| | | | Recycled wastewater from third parties | 0.7 | 0.6 | 0.5 | | | |
| | | | Other ¹ | 1.6 | 2.2 | 1.1 | | | |
| | | | Water content of raw materials ² | 0.7 | 0.7 | 0.7 | | | |
| | | | Total water use | 55 | 53 | 53 | | | |
| | | | of which in water-scarce areas or areas threatened by water scarcity ³ | 3 | 3 | 3 | | | |
| | | | Treated water such as distilled water, ultrapure water, mineral water Partly released by chemical reaction As defined by the World Resources Institute, Aqueduct Water Risk Atlas | | | | | | |
| | | | For more information: // Bayer 2023 Sustainability Report – Chapter 8. // Bayer CDP Report Water www.bayer.com/cdp | | otection – Wa | ter | | | |
| | Number of incidents of noncompliance associated with water quality permits, standards and regulations | RT-CH- 140a.2 | // Bayer 2023 Sustainability Report - Chapter 8. | 5 Environmental Pr | otection – Env | rironmental Inc | idents | | |
| | 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 does not lead to local problems such as water shortages for the people living in the catchment areas of our production sites in the future. To maximize impact, our activities go beyond our own sites and comprise measures throughout the value chain – from our suppliers through internal operational procedures to the farmers we supply. | | | | | | |
| | | | Our comprehensive water strategy covers potenti generate value added for society while also creati | | | alue chain. We | want to deploy Bayer's innovation capability to | | |
| | | | Cornerstones of our water strategy are: | | • | | | | |
| | | | // Resilient agriculture: Bayer is committed to increasing water productivity in farming. Our top priority is rice-growing, for which irrigation up to 43% of global water extraction. We are committed to improving water use per kilogram of crop by 25% by 2030 by transforming r systems for our smallholder customers in the relevant regions where Bayer operates, starting in India (base year calculated with data frow validation process still ongoing). Bayer plans to achieve this by transforming rice-cropping systems for smallholder farmers in the region company operates. Our goal to reduce the treated-area-weighted environmental impact per hectare of Bayer's global crop protection p 30% by 2030 against a 2014–2018 average baseline also helps to improve water quality. // Our business and investments: We want to integrate water quality and quantity into business decisions and processes that will be rolled 2024 onwards. We will develop a methodology to place value on water and incorporate it into investment processes. // Suppliers: Bayer included specific aspects relating to water and wastewater in the Supplier Code of Conduct updated in 2022, and in of the suppliers' sustainability risk. | | | | | | |

| SASB Topic | SASB Accounting Metric | SASB Code | Bayer Reporting | | | | | | |
|------------------------|--|------------------|--|---|--|--|---|--|--|
| | | | // Our sites and facilities: Bayer is committed to providing clean drinking water and sanitary facilities for all employees at our sites (WASH). We also want to continue reducing emissions into wastewater at our sites worldwide. Furthermore, we have voluntarily established very strict limits for the discharge of active ingredients into wastewater for the sites at which these products are produced. To improve water use at relevant sites in water-scarce regions, we want to build on our existing water management systems and expand them to sites located in regions that will be subjected to water stress by 2030. We want to establish context-related water targets for our own operations by 2025 that we plan to achieve by 2030. // Bayer as an ambassador and partner: It will take broad action by many supporters to deal with the water crisis. Bayer has a strong network through its participation in various initiatives. These include the World Meteorological Organization for Water and Climate Leaders and the Water Resilience Coalition, as well as our partnerships with the activist Mina Guli and the International Drought Resilience Alliance (IDRA), an initiative forged during COP27 at the ministers' meeting of the United Nations Convention to Combat Desertification (UNCCD). We want to support these strong partnerships to ensure the engagement of the private sector in the upcoming water debate. Bayer continues to support the CEO Water Mandate of the UN Global Compact with the goal of working with key stakeholders to develop sustainable strategies for water usage. We are also a member of the Water Resilience Coalition (WRC), which concretizes and complements the ambitions of the CEO Water Mandate at a private-sector level. In our Water Position, we commit to complying with international, national and local legislation, and thus to protect water resources, to use them as sparingly as possible and to further reduce emissions into water. In our annual response to the CDP Water Disclosure, we report in detail on our handling of | | | | | | |
| Hazardous Waste | Amount of hazardous waste generated, percentage | | Hazardous Waste Generated ¹ | | | | | | |
| Management | recycled | | 1,000 metric tons | 2021 | 2022 | 2023 | | | |
| | | | Total hazardous waste generated | 316 | 276 | 316 | | | |
| | | | of which from production | 303 | 273 | 312 | | | |
| | | | of which from construction work | 13 | 3 | 4 | | | |
| | | | ¹ Definition of hazardous waste in accordance with the local | laws in each instance | | | | | |
| | | | The proportion of hazardous waste that was re | cycled was around 15 | 5%. | | | | |
| | | | For more information: | | | | | | |
| | | | // Bayer 2023 Sustainability Report - Chapter | 8.4 Environmental Pro | otection – Wa | ste and Re | cycling | | |
| Community Relations | Discussion of engagement processes to manage risks and opportunities associated with community interests | RT-CH- 210a.1 | // Bayer 2023 Sustainability Report – Chapter | 2.2 Corporate Goverr 2.8 Corporate Goverr 2.10 Corporate Gove 2.12 Corporate Gove 9.5 Health and Safety | nance – Behav nance – Emerg rnance – Risk rnance – Stak / – Process ar | gency and Managem eholder Dia nd Plant Sa | Crisis Management ent alogue afety | | |

| Workforce | (1) Total recordable incident | RT-CH- | Recordable Occupational Injuries ¹ | | | | | | |
|--------------------|---|---|---|---|---|--|--|--|--|
| Health & Safety | rate (TRIR) and (2) fatality rate for (a) direct employees | 320a.1 | | 2021 | 2022 | 2023 | | | |
| | and (b) contract employees | | Number of occupational injuries | 443 | 416 | 457 | | | |
| | | | of which Bayer employees | 377 | 367 | 417 | | | |
| | | | of which employees of contractors under direct Bayer supervision | 66 | 49 | 40 | | | |
| | | | Overall rate of occupational injuries (RIR²) | 0.38 | 0.37 | 0.42 | | | |
| | | | Rate of occupational injuries with lost workdays (LTRIR³) | 0.22 | 0.38 | 0.36 | | | |
| | | | Fatal occupational injuries ⁴ | 2 | 0.18 | 0.22 | | | |
| | | | Fatal occupational injuries of employees of contractors not under Bayer supervision ⁵ | 4 | - | 7 | | | |
| | | | employees and employees of contractors under the dire RIR covers injuries and occupational illnesses both with equivalent to 457 occupational injuries worldwide (2022 | e Recordable Incept supervision of and without los and 440,000 hour arameter, the Los was due in particular architecture. | cident Rate (RI of Bayer leadin t workdays. In thus came ab- rs worked. Re ost Time Recourt to increased | R), which co g to medical 2023, it was ove the defin cordable inju rdable Incide d working from | ed target for 2023 of 0.36. In statistical terms, this means ries with lost workdays constituted 237 of the total of 457 nt Rate (LTRIR), increased from 0.18 in 2022 to 0.22 in n home. | | |
| | Description of efforts to assess, monitor and reduce exposure of employees and contract workers to long-term (chronic) health risks | health and safety (OHS) risk assessment and hazard an evaluation of the risks (i.e. probability and consequence through documentation and reviews to ensure controls on HSE Management and HSE Key Requirements. Systematic health promotion is a prerequisite for creatir in the company. Bayer's health promotion programs ain behaviors that reduce the risk of developing chronic dis development of the health literacy of all employees – this global and regional health experts are in regular contact for Bayer (e.g. health strategy, central platform House of In addition to the appraisals by Bayer experts, both our dangerous situations to their supervisors or via the computer these reports to determine suitable measures to prevent On top of country-specific regulations regarding mandal | alysis by Bayer e) that the identifi are in place to n g a health culture to effectively eleases and other s requires attract with external in f Health) and material employees and pliance hotline. It serious accident tory examination | experts. The Ced hazards cream hazards cream health progress and emillinesses and titive and targe stitutions (e.g. anage health for those of contracts with accidents from occur | DHS Risk Asseate, risk treaten | Details of this process are specified in the Group Regulation at enable a sustainably matured level of health and well-being byees, teams and work organizations to choose healthy related conditions. The focus is on supporting the ers that are derived from regular risk assessments. The borks and research institutions), provide the health framework my in close collaboration with the HR Enabling Function. Ged to immediately report work-related hazards or executally occurred, we conduct incident analyses based on a possible. | | | |
| | | | mandatory basis – in all countries in which this is legally permissible. Within the context of our occupational health and safety management, Bayer employees and employees of contractors receive extensive training in the prevention of accidents and safety incidents and in taking care of their own health. Bayer requires safety briefings and special training courses consistent with | | | | | | |

| | | | the relevant work activities in which employees are engaged to promote a healthy and safe place to work. In addition to the legally required training measures, we assign compulsory training courses to our employees from our extensive training portfolio as befits their respective field of activity. For more information: // Bayer 2023 Sustainability Report – Chapter 9 Health and 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 (in terms of both climate change mitigation and climate change adaptation), water scarcity and population growth. Scientists and United Nations (UN) organizations expect the world population to grow to around 10 billion people by 2050 – an increase of around two billion people relative to 2023. In addition, both the Food and Agriculture Organization (FAO) of the United Nations and the World Resources Institute (WR)! 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 scarcity, soil erosion and other factors. The agricultural sector therefore needs to meet the demands 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 agricultural output. 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 by management practices such as fertilization, irrigation and crop protection. Insecticides and fungicides have played a crucial part in reducing harvest losses. Crops compete with weeds for water, nutrients and light, resulting in a potential crop loss of up to 30%. Herbicides are an important tool for reducing this growth competition. Bayer helps farmers cultivate more food for a growing population, improving food security while at the same time reducing th |
| Safety & Environ- mental Stewardship of Chemicals | (1) Percentage of products that contain Globally Harmonized System of Classification and Labeling of Chemicals (GHS) Category 1 and 2 Health and Environmental Hazardous Substances, (2) percentage of such products that have undergone a hazard assessment | 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 Bayer 2023 Annual Report. 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. As a condition of their approval, the prescribed efficacy and safety of the individual products must always be demonstrated as proven. 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 approval 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 Registration of New Chemical Substances (MEP Order No. 12) of the Ministry of Ecology and Environment (MEE) in China. To fulfill these requirements, we have formulated Group-wide and division-specific regulations. For more information: // Bayer 2023 Annual Report – Chapter 1.1.2 Group Structure // Bayer 2023 Sustainability Report – Chapter 3.2 Product Stewardship – Regulatory Conditions // Bayer 2023 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. As a condition of their approval, the prescribed efficacy and safety of the individual products must always be demonstrated as proven. 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 approval 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 Registration of New Chemical Substances (MEP Order No. 12) of the Ministry of Ecology and Environment (MEE) in China. To fulfill these requirements, we have formulated Group-wide and division-specific regulations. For more information: // Bayer 2023 Sustainability Report – Chapter 3.2 Product Stewardship – Regulatory Conditions // Bayer 2023 Sustainability Report – Chapter 3.6 Product Stewardship – Crop Science // Bayer 2023 Sustainability Report – 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 by sales, with businesses in crop protection, seeds and traits. 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 2023 Annual Report. For more information: // Bayer 2023 Annual Report — Chapter 1.1.2 Group Structure // Bayer 2023 Annual Report — Chapter 1.2 Strategy and Targets // Bayer 2023 Annual Report — Chapter 1.3 Innovation — Crop Science // Bayer 2023 Annual Report — Chapter 2.2.2 Business Development by Division — Crop Science // Bayer 2023 Sustainability Report — Focus on: Agriculture chapter |
| 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 objectives. 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, and is defined and implemented with the help of binding Group regulations. For more information: // Bayer 2023 Annual Report – Chapter 3.2 Opportunity and Risk Report // Bayer 2023 Sustainability Report – Chapter 2.2 Corporate Governance – Behavioral Principles (BASE) // Bayer 2023 Sustainability Report – Chapter 2.3 Corporate Governance – Bioethics // Bayer 2023 Sustainability Report – Chapter 2.4 Corporate Governance – Steering and Management Systems // Bayer 2023 Sustainability Report – Chapter 2.6 Corporate Governance – Compliance // Bayer 2023 Sustainability Report – Chapter 2.10 Corporate Governance – Risk Management // Bayer 2023 Sustainability Report – Chapter 2.12 Corporate Governance – Stakeholder Dialogue // Bayer 2023 Total Report www.bayer.com/fcfd // Bayer Code of Conduct for Responsible Lobbying https://www.bayer.com/en/sustainability/position-biodiversity // Bayer Group Positions https://www.bayer.com/en/sustainability/position-biodiversity |

| Operational Safety, Emergency Prepared- ness & Response | Process Safety Incidents Count (PSI-C), Process Safety Total Incident Rate (PSTI-R), and Process Safety Incident Severity Rate (PSI- SR) | RT-CH- 540a.1 | integrated into the Group-wide reporting system. Repor (ICCA). Process safety incidents (PSIs) refer to incidents primary containment, such as pipelines, pumps, tanks of 2023, the PSI-R was 0.11 (2022: 0.11). A total of 124 p | ting of this i during which or drums. The rocess safe | ndicator is ch amount ne PSI-R in ty incidents | based on s of chemi- dicates the s occurred | the require cal substar e number o in 2023 (F | sty Incident Rate (PSI-R) as an indicator for plant safety. This is ements of the International Council of Chemical Associations inces or energy that exceed defined thresholds leak from their of process safety incidents per 200,000 hours worked. In Process Safety Incident Count, PSI-C), cording to the grading system of the International Council of |
|--|---|------------------|--|--|--|--|--|---|
| | | | Process Safety Incidents ¹ | | | | | |
| | | | | 2020 | 2021 | 2022 | 2023 | |
| | | | Process Safety Incident Count (PSI-C) ¹ | 92 | 96 | 122 | 124 | |
| | | | Process Safety Incident Rate (PSI-R) ^{1,2} | 0.08 | 0.08 | 0.11 | 0.11 | |
| | | | Process Safety Incident Severity Rate (PSI-SR) ^{1,3} | 0.21 | 0.14 | 0.16 | 0.15 | |
| | | | According to ICCA (International Council of Chemical Association Number of PSI incidents per 200,000 hours worked Degree of severity for all PSI incidents per 200,000 hours worked | , | | , | | |
| | Number of transport incidents | RT-CH- 540a.2 | 9 9 1 | road transp table) and transport in | Safety - Property accided in the involucidents als transport | ocess and nts. Of the ved the tra so led to a | d Plant Sa ese transp ansportation | port incidents, nine involved the transportation of ion of (treated) seeds. Four of the transport incidents led product and in six of these incidents the discharged sub- |
| | | | Significant ¹ Transport Incidents 2023 | | | | | |
| | | | Crop Science, São Jose dos Campos, Brazil, May | | | | | |
| | | | A truck belonging to a transport company transporting collision with another truck. | Bayer prod | ucts (crop | protection | products) | s) was forced to swerve off the road and into a dam to avoid |
| | | | Crop Science, São Paulo, Brazil, October A truck belonging to a transport company transporting the roadside. | Bayer prod | ucts (crop | protection | n products) | s) tipped over. The driver was killed, and the load was spilled |
| | | | Crop Science, São Paulo, Brazil, November | | | | | |
| | | | A truck belonging to a transport company transporting the roadside. | Bayer prod | ucts (crop | protection | products) | s) tipped over. The driver was killed, and the load was spilled |
| | | | Crop Science, São Paulo, Brazil, November | | | | | |
| | | | A truck belonging to a transport company transporting the roadside. | Bayer prod | ucts (crop | protection | products) | s) tipped over. The driver was killed, and the load was spilled |
| | | | Crop Science, Camaçari, Brazil, November | | | | | |
| | | | A truck belonging to a transport company transporting liquid. No spill into rainwater channels. | caustic soc | da overflow | ed at the | entrance o | of a site, spilling residue onto the asphalt. Evaporation of the |

Crop Science, Abidjan, Ivory Coast, November

A truck belonging to a transport company lost a pallet of crop protection product, causing a leakage on the road. 140 liters of herbicides were spilled away by rain.

Crop Science, São Paulo, Brazil, December

A truck belonging to a transport company transporting Bayer products (crop protection products) tipped over. The load was spilled next to the roadside.

Crop Science, Creve Coeur, USA, December

A truck belonging to a transport company transporting Bayer products (crop protection products) tipped over, spilling herbicides.

¹ In accordance with the definition and reporting criteria of the ICCA/Responsible Care <u>agreement between the CEFIC and the ECTA</u>, we have reported since 2022 on the significant transport and environmental incidents in connection with the transport of hazardous materials or dangerous goods or of chemicals.

For more information:

// Bayer 2023 Sustainability Report - Chapter 9.2 Health and Safety - Occupational Safety - Transportation and Storage Safety

Activity Metrics

| SASB Activity Metric | SASB Code | |
|---|-----------------|---|
| Production by Reportable Segment | RT-CH- 000.A | For more information: // Bayer 2023 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 | 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" 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" Primary Energy Consumption | | | | | |
| | 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 | | | | | | |
| | Fleet fuel consumed, | FB-AG- | | | | | | |
| | percentage renewable | 110a.3 | Terajoules | 2021 | 2022 | 2023 | | |
| | | | Liquid fuels for vehicle fleet/transport | 2,194 | 2,121 | 2,360 | | |
| | | | For more information: // Bayer 2023 Sustainability Report - Chapter // Bayer CDP Report Climate www.bayer.com | | n – Energy | | | |
| 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 or Extremely High Baseline Water Stress – RT-CH-140a.1" | | | | nsumed, percentage of each in regions with High | |
| | Description of water management risks and discussion of strategies and practices to mitigate those risks | FB-AG- 140a.2 | See: Indicator Chemicals – "Water Managemerrisks – RT-CH-140a.3" | nt – Description of wat | er manageme | nt risks and discus | ssion of strategies and practices to mitigate those | |

| SASB Topic | SASB Accounting Metric | SASB Code | Bayer Reporting |
|---------------------------------|--|------------------|--|
| | Number of incidents of noncompliance 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 noncompliance associated with water quality permits, standards and regulations – RT-CH-140a.2" For more information: // Bayer 2022 Sustainability Report – Chapter 8.5 Environmental Protection and Safety – Environmental Incidents |
| Food Safety | Global Food Safety Initiative (GFSI) audit (1) nonconformance rate and (2) associated corrective action rate for (a) major and (b) minor nonconformances | 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. |

| SASB Topic | SASB Accounting Metric | SASB Code | Bayer Reporting | | | | | |
|---|--|------------------|---|---|--|---|--|--|
| Environ- mental & products sourced that at social certified to a third-party environmental and/or so standard, and percentage by standard | | FB-AG- 430a.1 | deforestation includes the ambition to source sus of the Accountability Framework and cover the prassessment and due diligence. In our current reportant procurement spend, Bay procurement spend). A detailed and comprehensi Bayer has participated in the Roundtable for Sust | tainable palm (kerr roducts that we dir ort to CDP Forest, ver only sources a ve traceability of the rainable Palm Oil (Fore are various chal | rnel) oil rectly p , we ha small r the orig RSPO) illenges | deriva burcha ve inc numbe in of to | r, traceability and certification. Bayer's commitment to net-zero tives and soy derivatives. Our activities are aligned with the elements se. As part of our initial assessment, we have conducted a risk luded further information. For of palm (kernel) oil derivatives for our businesses (less than 1% of our hese already processed products is generally not possible. 2004. We started to transition our supply chain to RSPO mass balance ding the availability of products, we aim for 100% of palm oil | |
| | | | Roundtable for Responsible Palm Oil (RSPO) | | | | | |
| | | | | 2022 | 2 | 2023 | | |
| | | | Volumes of palm oil derivatives purchased ¹ | 10,947 | 11 | ,467 | | |
| | | | of which RSPO mass balance certified | 18% | | 28% | | |
| | | | ¹ Metric tons | | | | | |
| | | | We support the production of sustainable soy via the purchase of credits certified by the Round Table on Responsible Soy (RTRS). Bayer has been a member in the RTRS board since 2017, and 100% of our purchases of soy derivatives are covered by RTRS credits. Since 2022, we have also significantly increased our efforts to gain more insights into the value chain, with the result that we can trace approximately 80% of our purchases to a jurisdictional area. For more information: // Bayer 2023 Sustainability Report — Chapter 4.2 Procurement — Procurement Activities // Bayer Supplier Management website https://www.bayer.com/en/sustainability/supplier-management | | | | | |
| | Suppliers' social and environmental responsibility audit (1) nonconformance rate and (2) associated corrective action rate for (a) major and (b) minor nonconformances | FB-AG- 430a.2 | Rights Policy, our Compliance Policy, the principle For more information: // Bayer 2023 Sustainability Report – Chapter 4. // Bayer 2023 Sustainability Report – Chapter 5. | s of the UN Global 3 Procurement – S Human Rights bayer.com/sites/d | l Comp Sustain default/ | act ar ability | ayer-supplier-code-of-conduct-english-version-dec-22.pdf | |
| manage environmental and social risks arising from contract growing and commodity sourcing 430a.3 Conduct is based on the principles of the UN Glob For more information: Bayer 2023 Sustainability Report - Chapter 4.1 | | | | bal Compact and to the second | the cor Manage | re labo ement files/b | Approach ayer-supplier-code-of-conduct-english-version-dec-22.pdf | |

| SASB Topic | SASB Accounting Metric | SASB Code | Bayer Reporting |
|------------------------|--|------------------|--|
| 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 by sales, with businesses in crop protection, seeds and traits. 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 <u>Bayer 2023 Annual Report</u> . For more information: |
| | | | // Bayer 2023 Annual Report - Chapter 1.1.2 Corporate Structure // Bayer 2023 Annual Report - Chapter 1.2 Strategy and Targets // Bayer 2023 Annual Report - Chapter 1.3 Innovation - Crop Science // Bayer 2023 Annual Report - Chapter 2.2.2 Business Development by Division - Crop Science // Bayer 2023 Sustainability Report - Focus on: Agriculture chapter |
| Ingredient Sourcing | Identification of principal crops and description of risks and opportunities presented by climate change | | For more information: // Bayer 2023 Sustainability Report - Chapter 7.3 Climate Protection - Risk and Opportunity Analysis // Bayer 2023 TCFD Report www.bayer.com/tcfd |
| | Percentage of agricultural products sourced from regions with High or Extremely High Baseline Water Stress | | Not applicable |

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 |

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Masthead

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Forward-Looking Statements:

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