



The Good Growth Plan

Progress 2022

#goodgrowthplan

Helping farmers. Fighting climate change.



About this Good Growth Plan Progress Report 2022

This is the Good Growth Plan Progress Report ('Report') for Syngenta AG group, also referred as 'Syngenta' in this report. Syngenta AG group encompasses Syngenta AG, a company domiciled and incorporated in Switzerland, and all of its more than 150 subsidiaries globally, and covers the following operations of Syngenta Group: **Syngenta Crop Protection, Syngenta Seeds** and **operations of Syngenta AG group that now form part of Syngenta Group China**. The information and data contained in this report relate to the activities within this scope unless otherwise specified.

Information and data in this Report is presented more extensively in Syngenta AG group's Environmental, Social and Governance (ESG) Report 2022. Detailed information on KPI definitions, scope and reporting processes is presented in the document entitled Basis of Preparation: ESG Report 2022. Both documents can be found at:

www.esg-reporting.syngenta.com

Data presented in this report represents the period October 1 to September 30 unless otherwise specified in the ESG Report. Selected non-financial performance indicators aggregated as of and for the twelve months ending September 30, 2022 or December 31, 2022 presented in the Non-financial performance summary of the ESG Report have been externally assured.

The Good Growth Plan Progress Report 2022 was published on May 11, 2023.

Should you have any questions, please contact us at: sustainability.syngenta@syngenta.com



Delivering on our Good Growth Plan

Our Good Growth Plan puts sustainability at the center of our business and innovation. It is key to ensure our success and it helps us meet our commitment to the UN SDGs.

Our first Good Growth Plan, launched in 2013, set new standards for sustainable agriculture. Our current Good Growth Plan, launched in 2020, focuses on accelerating innovation for farmers and puts the urgent fight against climate change at the heart of farming's productive future.

We report on our progress in our annual [ESG Report](#) and, in summary form, in this document.

The Good Growth Plan: 2020 commitments and targets for 2025



Accelerate innovation for farmers and nature

- Invest USD 2 billion in **sustainable agriculture breakthroughs**
- Deliver two new sustainable technology **breakthroughs** per year
- Strive for the **lowest residues** in crops and the environment



Strive for carbon neutral agriculture

- Measure and **enable carbon capture** and mitigation in agriculture
- **Enhance biodiversity and soil health** on 3 million hectares of rural farmland every year
- Reduce the **carbon intensity** of our operations* by 50% by 2030



Help people stay safe and healthy

- Goal **zero incidents** in our operations
- Train 8 million farm workers on **safe use** every year
- Strive for **fair labor** across our entire supply chain



Partnering for impact

- Build **cohesive partnerships** and publish their sustainability objectives
- Launch **innovation dialogues** for inclusive consultation on sustainability
- Board-level **governance** of sustainability

HELPING FARMERS. FIGHTING CLIMATE CHANGE.

* Syngenta AG group operations

The Good Growth Plan: Our progress in 2022*



Accelerate innovation for farmers and nature

USD 289 million invested in sustainable agriculture breakthroughs, reaching USD 1.3 billion since 2020

Launch of three sustainable technology breakthroughs:

- TYMIRIUM® technology
- CROPWISE™ Sustainability app
- Digital solution to detect stresses from nematodes

2.1 million tonnes of crop produced with programs for lowest residues in crops



Strive for carbon neutral agriculture

2.9 million tonnes CO₂e of carbon benefit potential on farmland**

6 million hectares of farmland benefited by soil conservation and biodiversity enhancement measures

12% increase in CO₂e emissions intensity of our operations since our 2016 baseline



Help people stay safe and healthy

0.30 recordable injury and illness rate (IIR) per 200,000 hours

12.9 million people trained on the responsible handling and use of crop protection products

99.5% of suppliers included in sustainability and fair labor programs



Partnering for impact

Scaled up strategic collaboration programs with The Nature Conservancy and Solidaridad

Continued working with partners in the food value chain

Pursued collaboration with academic and research organizations

* Covers Syngenta AG group, which includes the following operations of Syngenta Group: Syngenta Crop Protection, Syngenta Seeds and the operations of Syngenta AG group that now form part of Syngenta Group China

** Value calculated based on annual mitigation potentials outlined in the IPCC fourth assessment report for soil conservation and biodiversity enhancement projects

Contributing to the UN Sustainable Development Goals (SDGs)

The UN SDGS underscore the relevance of our **Good Growth Plan**



In focus: Working to reduce greenhouse gas emissions

As a leader in agriculture, we are committed to **providing technologies, services and training** to help farmers **mitigate and adapt to climate change** as well as **reducing the carbon footprint** of our operations. We articulate this ambition in one of our Good Growth Plan commitments: **Strive for carbon neutral agriculture**

We are making good progress in developing ways to reduce our emissions and have delivered an intensity reduction in our **scope 1+2 emissions**. However, the recent rapid growth of our business has outstripped those reductions, especially with regards to **scope 3 emissions**.

We reviewed and prompted adjustments to our **carbon emissions reduction plan**. To support the execution of our revised plan, the business is increasing internal capacity and resources for 2023.

While we remain committed to reducing carbon emissions generated in our operations, we also believe **our solutions can help farmers mitigate climate change**. Our product and service innovations improve the water productivity of plants, increase yield and feed efficiency, reduce food loss and waste, and help sequester and mitigate loss of carbon in the soil.

Seed treatment technology, such as our **TYMIRIUM® technology** nematicide and fungicide, supports stronger, healthier root mass, which helps sequester carbon in the soil and increase yield. Productivity gains allow leaving existing untouched land in its natural state.

Our innovative **Enogen® corn for feed** delivers feed efficiency gains over regular corn by improving starch and organic matter digestibility. Greater feed efficiency means that farmers need less feed to achieve the same outcomes, which leads to a reduction in overall greenhouse gas production per unit of milk or beef output relative to a conventional feed alternative. We estimated that Enogen® use in 2022 accounted for about 1.8 million tonnes of avoided CO₂e emissions.

In 2022, our **soil conservation and biodiversity enhancement projects** benefited 6 million hectares of farmland and generated a carbon benefit potential of almost 3 million tonnes of CO₂e.



Accelerating innovation for farmers and nature

Delivering game-changing tools that address the needs of farmers and consumers



USD 289 million

invested in sustainable agriculture breakthroughs

3 sustainable technology breakthroughs

- TYMIRIUM[®] technology
- CROPWISE[™] Sustainability app
- Digital solution to detect stresses from nematodes

2,093,000 tonnes

of crop produced with programs for lowest residues in crops

Accelerating innovation for farmers and nature

Proof points

We invested **USD 289 million** in 2022

reaching over USD 1.3 billion in three years of our renewed Good Growth Plan. Our 2022 investment was mainly driven by investments in Crop Protection and Seeds R&D.

Our new **TYMIRIUM® technology**

provides powerful activity against plant-parasitic nematodes and soil-borne diseases.

Our new **CROPWISE™ Sustainability app**

provides a simple way for growers to capture data and deliver continuous improvements from regenerative agriculture practices.

Our **digital solution to detect stresses from harmful nematodes**

combines satellite imagery, artificial intelligence and agronomic expertise to help increase growers' awareness about these devastating pests.

Our programs for lowest residues helped farmers produce **2.1 million tonnes** of crop

– this equals the recommended daily intake of fruits and vegetables for more than 5.2 million people.



Striving for carbon neutral agriculture

The health of agricultural land is directly linked to the health of the broader ecosystem



2,931,000

tonnes CO₂e of carbon benefit potential on farmland

6 million

hectares of farmland benefited by soil conservation and biodiversity enhancement measures

12%

increase in CO₂e emissions intensity of our operations* since our 2016 baseline

* Syngenta AG group operations



Striving for carbon neutral agriculture

Proof points

We conducted **111 soil health** projects and **70 biodiversity** projects benefiting **6 million hectares** of farmland.

Latin America accounted for more than half of the soil hectares and Europe, Africa and Middle East and North America for most of the biodiversity hectares.

These projects generated a **carbon benefit potential** on farmland of **2.9 million tonnes** of CO₂e.

Introduced in 2020, this KPI was developed by Syngenta as a first attempt to quantify the contribution our solutions can make to mitigate climate change.

Scope 1+2+3 emissions intensity increased by **12%** since our 2016 baseline.*

We continued reducing our intensity-based scope 1+2 carbon emissions but faced challenges with scope 3 emissions. We are developing new plans to tackle emissions across our largest supply chains and working with our suppliers to deliver on our scope 3 emission reductions.

At the same time, we continue to enable agricultural practices and provide innovative solutions that help farmers mitigate climate change.



* Syngenta AG group operations

Help people stay safe and healthy

Creating and maintaining safe, healthy and fair working environments



0.30

recordable injury and illness rate (IIR) per 200,000 hours*

12.9 million

people trained on the responsible handling and use of crop protection products

99.5%

of suppliers included in sustainability and fair labor programs*

* Syngenta AG group operations



Help people stay safe and healthy

Proof points

In 2022, the recordable **injury and illness rate** (IIR) increased to 0.30.*

In 2022, a slight increase of IIR compared to the previous year was driven by an increase in injury cases mainly due to motorcycle injuries in Bangladesh and India, as well as injuries related to the operation of agricultural machines leading to hand injuries in Latin America. We aim to achieve an IIR target of 0.25 by 2025, and we continue implementing HSE programs to reach this target.

In 2022, 99.5% of our suppliers continued to be included in our **sustainability and fair labor programs***.

These well-established programs cover our crop protection, seed and flower supply chains.

Thanks to a significantly higher outreach to growers compared to 2021, **12.9 million people** were **trained on the responsible handling and use of crop protection products**, including 10.1 million smallholders.

The number of training programs in Asia Pacific grew exponentially resulting in a 51% increase for both the number of people and smallholders trained. Asia Pacific and China accounted for 98% of people and 99% of smallholders trained. Loosening of COVID-19 restrictions in some countries facilitated face-to-face training, enabling us to reach more smallholder farmers.



* Syngenta AG group operations

Partnering for impact

Changing the face of agriculture together



Scaled up strategic collaboration programs with **The Nature Conservancy** and **Solidaridad**

Continued working with partners in the **food value chain**

Pursued collaboration with **academic and research organizations**



Partnering for impact

Proof points

In 2022, we continued our strategic collaboration with **TNC**.

Following a pilot, we expanded our joint **Reverte** program in Brazil's Cerrado to include new partners such as financial service providers. Reverte aims to convert 1 million hectares of degraded pastureland into productive cropland.

TNC is advising Syngenta's **Sustainable Agriculture South Africa** regenerative agriculture project. With climate change on the rise, we aim to bring better yield stability and higher seed quality to local brassica seed producers by assessing conservation agriculture practices. In 2022, we continued to collect soil and yield data and further improved the program.



We also strengthened our partnership with **Solidaridad** to develop and implement sustainable solutions for smallholders.

We commissioned Solidaridad to assess Syngenta Seeds' Fair Labor Program to identify improvement opportunities.

In **Guatemala and Honduras**, we are working with Solidaridad to address gaps in labor standards.

In **China**, together with Solidaridad, we are helping vegetable seed farmers to improve their livelihood by supporting the adoption of sustainable, climate-resilient practices.

Partnering for impact

Proof points (cont.)



We kept engaging with **food value chain** companies and other organizations to contribute to food supply security.

Under our partnership with **Kellogg's**, we supported InGrained™, a program to reduce methane emissions from rice production in North America.

In Costa Rica, we are partnering with **Walmart** to help tomato farmers implement Operation Pollinator and LIVINGRO™ principles to increase their yields and protect the environment.

We also started implementing agronomic methods from our science-driven soil health and biodiversity initiative LIVINGRO™ for **Fresh Del Monte** on melon fields in Costa Rica.

In 2022, **LIVINGRO™** brought together academic and research organizations

to generate, capture and assess data on more than 50 different parameters to develop protocols that **support regenerative farming practices**.

Multi-year pilots are underway in seven countries, where independent local centers of expertise are collecting samples in the field and assessing the data gathered.

Results will be published in peer-reviewed scientific journals and shared with researchers and academics.



ESG 2022 Highlights

What we've achieved beyond the **Good Growth Plan**

We delivered strong financial results and overall business growth and continued providing innovations to help farmers tackle climate change and food security

We engaged with organizations and governments at the UN Biodiversity Conference (COP15), which aimed to agree on new goals and 2030 targets for nature outlined in the post-2020 global biodiversity framework

We advanced on our journey to create a more diverse and inclusive (D&I) workplace by engaging our employees in D&I discussions and campaigns. We also launched an Inclusion Index to assess our company's inclusiveness

We created the role of Chief Soil Scientist to drive our soil health strategy and leverage our soil science activities and R&D capabilities

As part of the digital transformation of our HSE processes and systems, we launched a new internal reporting tool that collects more detailed environmental data

We made progress toward equal pay, reducing our global raw mean gender pay gap from -3.90% in 2021 to -2.86% in 2022

Completion rate of our Code of Conduct commitment remained at 99.9%

We ran a year-long Mental Health program – with about 16,000 participants – to highlight the importance of mental health and why it matters

As part of our support to smallholder communities, we sponsored USD 375,000 of scholarship fees for five female students at the Asian University for Women



Reporting on sustainability

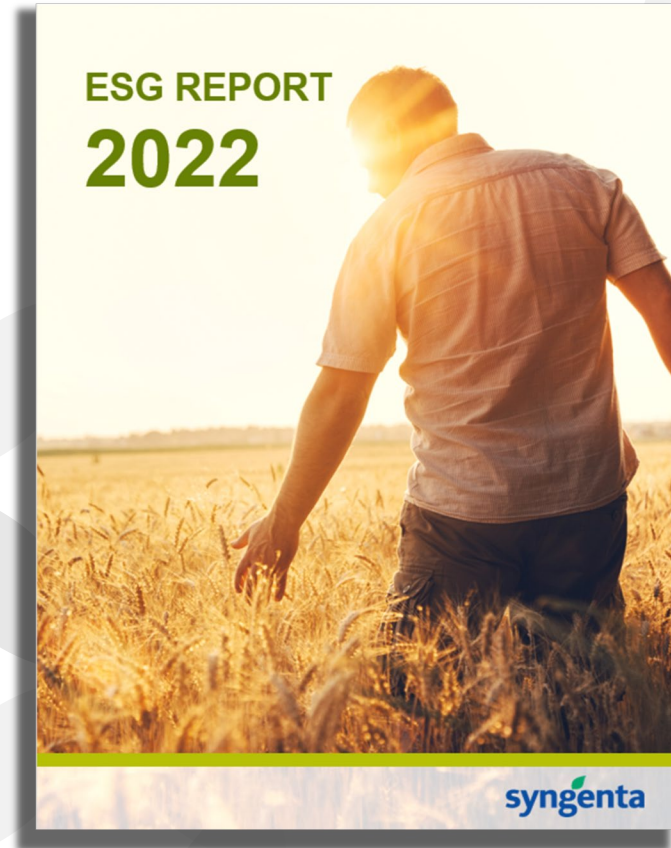
Syngenta has been **reporting** on a wide range of **sustainability** topics for many years.

Our **Environment, Social and Governance (ESG) Report** covers Syngenta Crop Protection, Syngenta Seeds and operations of Syngenta AG group that now form part of Syngenta Group China (i.e., **Syngenta AG group**).

It addresses non-financial reporting requirements from selected **reporting standards and frameworks** (GRI, SASB, TCFD, UNGC) and information needs from ESG rating agencies, investors and other stakeholders.

Importantly, it also includes the KPIs that measure our progress toward the goals of our **Good Growth Plan**.

→ We have started to transition our ESG reporting to cover the entire **Syngenta Group**. We expect to publish our first Syngenta Group report in the upcoming months.

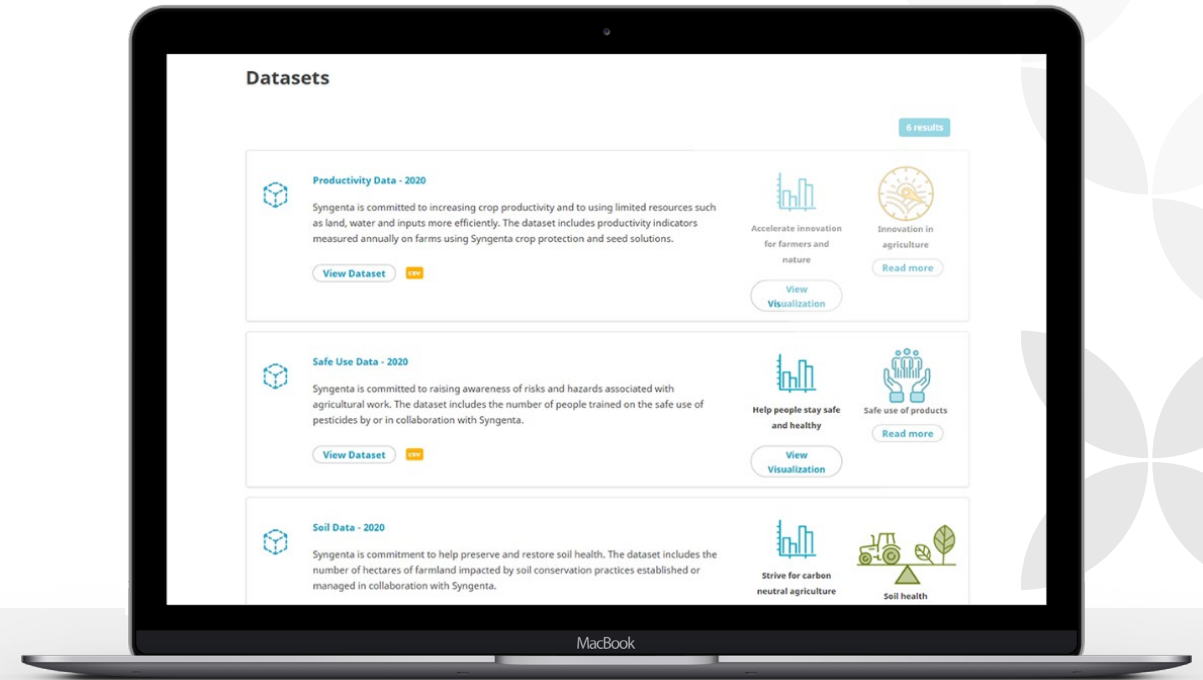


www.esg-reporting.syngenta.com

Good Growth Plan Open Data

Building transparency to better inform about **sustainable farming practices**

www.data.syngenta.com



Since we launched the first Good Growth Plan in 2013, Syngenta has publicly shared Good Growth Plan Open Data. We use Open Data Institute (ODI) certificates to ensure best practice standards that make data searchable, usable by all and shareable are applied.

With our current Good Growth Plan, we are continuing with this practice and publishing open data on the following topics: soil health, biodiversity, carbon benefit potential on farmland and safe use of products.

All **micro-level farm data** from our first Good Growth Plan has been shared with the Food and Agriculture Organization (FAO) to support the monitoring of development trends such as the SDGs. The data is available in the Food and Agriculture Microdata Catalogue (**FAM**). Moving forward, we will continue sharing farm data with the FAO from specific areas of the world.



Thank you
for staying with us on our
sustainability journey!

As we continue to navigate the challenges of the world, we remain committed to finding solutions to help transform our global food system and to achieving a sustainable future for all.

Thank you for your interest in the vital work we are doing at Syngenta. We invite you to partner with us on the exciting work ahead.

DANIEL VENNARD
Chief Sustainability Officer



Syngenta AG
P.O. Box
CH-4002 Basel
Switzerland

Investor Relations
E global.investor_relations@syngenta.com

Media Relations
E media.relations@syngenta.com

Sustainability
E sustainability.syngenta@syngenta.com

Syngenta switchboard
T +41 61 323 1111
F +41 61 323 2424

www.syngenta.com

This publication is available on the Internet:
www.syngenta.com

© 2023 Syngenta. All rights reserved.

Editorial completion: May 2023

® Registered trademarks of a Syngenta
Group Company

™ Trademarks of a Syngenta Group Company

The SYNGENTA GROUP logo is a trademark
of a Syngenta Group company

Cautionary statement regarding forward-looking statements and linked websites:
This document may contain forward-looking statements, which can be identified by terminology such as “expect,” “would,” “will,” “potential,” “plans,” “prospects,” “estimated,” “aiming,” “on track” and similar expressions. Such statements may be subject to risks and uncertainties that could cause the actual results to differ materially from these statements. For Syngenta, such risks and uncertainties include risks relating to legal proceedings, regulatory approvals, new product development, increasing competition, customer credit risk, general economic and market conditions, compliance and remediation, intellectual property rights, implementation of organizational changes, impairment of intangible assets, consumer perceptions of genetically modified crops and organisms or crop protection chemicals, climatic variations, fluctuations in exchange rates and/or grain prices, single source supply arrangements, political uncertainty, natural disasters, and breaches of data security or other disruptions of information technology. Syngenta assumes no obligation to update forward-looking statements to reflect actual results, changed assumptions or other factors.

Material contained on linked websites, Syngenta’s own or from a third party, is not part of and is not incorporated by reference in this report. Syngenta is not responsible for the content provided on third-party websites. The individual authors of the linked websites are responsible for the information, opinions and facts presented on their websites as well as for their technical security. Syngenta is therefore not liable for any damages that occur through use of either the information contained on these weblinks or the use of the weblinks themselves. Weblinks were last accessed on May 11, 2023.