

the
good
growth
plan

Progress Report 2019



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The Good Growth Plan

Delivering our commitments and looking to the future

The Good Growth Plan is a core element of our strategies for both our Crop Protection and Seeds businesses to ensure their success and long-term viability. It defines six commitments in areas where improvement is essential to secure the future of agriculture and our planet's ecosystems.

When we launched The Good Growth Plan in 2013, we set hard, stretch targets to be met by 2020. By 2019, we have already reached most of our goals – a year earlier than scheduled.

Since embarking on this journey, we have learned some very important lessons that will now shape the next evolution of The Good Growth Plan, which we plan to announce in 2020.

When we started our Good Growth Plan journey, we did not anticipate how much the world would change within this timeframe: political and societal trends, technologies in agriculture and even our own business strategy look very different six years on.

So, when it comes to setting future commitments, experience has taught us that flexibility is essential and five-year targets are often the most pragmatic option.

Capturing the power of partnership

One of the most important lessons we have learned is the true power of partnership. We would never have achieved so much through The Good Growth Plan without the support and buy-in of our partners. We are truly excited by the global “Innovation for Nature” collaboration we announced together with The Nature Conservancy (TNC) in 2019. The multi-year collaboration aims to promote soil health, resource efficiency and habitat protection in major agricultural regions worldwide, and brings together Syngenta’s research and development capabilities and TNC’s scientific and conservation expertise to scale up sustainable agricultural practices.

We know the rich value that derives from working with partners in pursuit of shared goals.

In China, Eastern Europe and Latin America, we have seen that real positive change – and scale – is possible when we close the gaps between factors such as science and technology, policy and commercial issues, notably financing mechanisms and markets.

For example, in Matto Grosso, Brazil, our Soja+Verde project is an environmental partnership involving Syngenta, NGOs including TNC, as well as the local government. It aims to help farmers comply with the Brazilian Forest Code, a policy framework that protects native forest areas and reforest parts of agricultural lands. Only by working together can neighboring farmers improve the connectivity of their land for wildlife species and help build more suitable corridors for animals.

In Hungary, our CONTIVO® solution continues to help farmers to reduce erosion and maintain soil health.

We’ve also partnered with leading policy and decision makers, together with the United Nations Convention to Combat Desertification (UNCCD), providing farmers and policy makers with the support they need to take care of their land and their business.

In China, we have partnered with the National Agricultural Extension & Service Center (NATESC) and the Ministry of Agriculture and Rural Affairs (MARA) to train farmers on the safe use of pesticides and better farming practices. Since 2000, the trainings have taken place at farmers’ meetings all over China, organized by Syngenta and local partners. We train farmers how to protect themselves while handling and spraying pesticides, using techniques which conform to safety regulations.

In 2019, we also started training farmers in safe practices when using drones.

The track record we have established through The Good Growth Plan has contributed towards winning the trust of credible and influential partners such as GLOBALG.A.P., which sets voluntary standards for the certification of safe, sustainable agricultural products worldwide.

Through the Plan, we have proved that we can access and train farmers – with impact. GLOBALG.A.P. recognizes this and now entrusts us with training farmers in Argentina, Costa Rica, India, Mexico, and the US who are seeking GLOBALG.A.P. certification. This gives us a valuable opportunity to embed a sustainability-first mindset among growers.

Turning data into knowledge

Digital technology is having a transformative impact on agriculture. Since we launched The Good Growth Plan, the use of digital technology in agriculture has increased exponentially, and it will continue to do so. Expanding the use of digital tools when measuring our progress will be important to ensuring our next Plan keeps delivering benefits to growers and stakeholders alike.

As the first agricultural company to advocate an open data approach, we have worked with the Open Data Institute (ODI) over several years to apply best practice standards to our data, making them more usable by other stakeholders. Making it easier to share and access the unprecedented volumes of data we collect through The Good Growth Plan enables academics and other partners to produce richer, more informed and useful insights.



Year after year, Syngenta confirms its commitment to creating a positive impact in the agricultural sector not only through its technology but also via collaborations. Thanks to Syngenta’s commitment, different communities all around the world are able to get first-hand knowledge on safe and sustainable farming practices.

Flavio Alzueta

Vice President & Chief Marketing Officer
GLOBALG.A.P.

Our engagement with the Global Open Data for Agriculture and Nutrition (GODAN) is designed to achieve a common metric that allows researchers to further sharpen their insights by standardizing the way we combine and exchange data.

Further simplifying and standardizing the way we source, share and analyze data will provide farmers with the insight generated and tailored agronomic advice in good time for the current growing season.

Building trust, credibility and pride

Thanks to The Good Growth Plan, farmers trust us as a credible and reliable source of information on how to implement the principles of sustainable farming. The productivity data generated at farm level allow them to hold more informed conversations with their customers further down the food value chain. This has contributed significantly towards optimizing sustainable food production. One example in the US is where Kellogg's, The Nature Conservancy and Syngenta have been working to create a more sustainable supply chain by helping farmers document and demonstrate how conservation practices enhance natural resource management and support water quality both in Saginaw Bay and the larger Great Lakes watershed.

At the same time, Good Growth Plan projects have also enabled farmers to hold different, more informed conversations within their communities.

For example, the largest potato grower in the US, R.D. Offutt, planted non-productive corners of its potato fields in Minnesota with our Operation Pollinator regionally-tailored seed mixes to create environmentally diverse wildflower habitats and increase the number of pollinating insects. As well as substantially increasing biodiversity, it also enabled conversations with the community about encouraging pollinators in their local area.

Not only has The Good Growth Plan proved beneficial to farmers and other stakeholders, but it has also fostered a sense of pride among employees and, crucially, attracted interest from potential recruits. Making a meaningful contribution to society in the workplace has become more and more important to people. An employer with demonstrable sustainability credentials is more likely to win the race for their talent and commitment.

The Good Growth Plan continues to be a key factor in recruiting and retaining the brightest people in our industry to keep accelerating the breakthrough innovations that drive sustainable agriculture.

Looking to the future










Since its launch, The Good Growth Plan's principles and priorities have become deeply embedded in the way we do business. It has enabled us to enhance our commercial offer, deliver real and measurable benefits to farmers, rural communities and the environment. The next step is to build on the progress we have made and the lessons we have learned.

Moving ahead will also involve acting on the feedback from the listening sessions we held with a wide variety of stakeholders in 2018. These sessions were crucial to giving us a better understanding of what society expects from Syngenta and our industry, and what sustainable agriculture really means to different groups.

The commitment we made following the listening sessions – to accelerate our innovation and invest \$2 billion over five years into technological breakthroughs specifically aimed at advancing sustainable agriculture – will be integral to the next evolution of The Good Growth Plan.

As this first stage of The Good Growth Plan draws to a close, we would like to thank all those who have accompanied us along this journey to date. They include, among many others, farmers, employees, national and local authorities, food value chain partners, NGOs and academics. Their expertise, insight and energy continue to help us to turn our commitments into real, measurable benefits for farmers, the people they feed and the planet we all share. We invite everyone to join us as we continue into the next exciting phase of The Good Growth Plan.



 <h3>Make crops more efficient</h3>	 <h3>Rescue more farmland</h3>	 <h3>Help biodiversity flourish</h3>	 <h3>Empower smallholders</h3>	 <h3>Help people stay safe</h3>	 <h3>Look after every worker</h3>
<p>Increase the average productivity of the world's major crops by 20 percent without using more land, water or inputs</p>	<p>Improve the fertility of 10 million hectares of farmland on the brink of degradation</p>	<p>Enhance biodiversity on 5 million hectares of farmland</p>	<p>Reach 20 million smallholders and enable them to increase productivity by 50 percent</p>	<p>Train 20 million farm workers on labor safety, especially in developing countries</p>	<p>Strive for fair labor conditions throughout our entire supply chain network</p>
<h4>Progress and key achievements 2014–2019</h4>					
<h1>18.8%</h1>	<h1>14.1m</h1>	<h1>8.2m</h1>	<h1>26.5m</h1>	<h1>42.4m</h1>	<h1>99.0%</h1>
<p>Land productivity increase¹</p>	<p>Hectares of benefited farmland²</p>	<p>Hectares of benefited farmland²</p>	<p>Smallholders reached through training and sales³</p>	<p>People trained on safe use⁵</p>	<p>Suppliers included in sustainability and fair labor programs⁶</p>
			<h1>28.5%</h1>		
<p>We have increased reference farm yields ahead of their benchmarks and recorded efficiency improvements of more than 20 percent for nutrients and pesticide field application</p>	<p>We've already exceeded our 2020 target by almost 5 million hectares – and we're continuing to raise awareness for the importance of soil health</p>	<p>Our biodiversity projects around the world continued to deliver measurable benefits to farmers and their wider communities</p>	<p>We have reached over 20 million smallholders and substantially increased their productivity, but there is still a way to go</p>	<p>We have trained unprecedented numbers, exceeding our 2020 target of 20 million by reaching 42.4 million people</p>	<p>We've covered 99 percent of our supply chain, and we're leading the industry to increase wages in the seed supply chain in India</p>

1 On reference farms compared to baseline 2014
2 Cumulative since baseline 2014

3 In 2019
4 On smallholder reference farms compared to baseline 2014

5 Cumulative since baseline 2014. Includes smallholders reached through training reported under "Empower smallholders"
6 In 2019

Make crops more efficient

UN Sustainable Development Goals
2, 12, 17

To ensure sustainable food security, within planetary boundaries, the world needs a step change in crop productivity. We are committed to boost productivity of the world's most important crops in partnership with growers without using more inputs like land or water.

We report the percentage increase achieved in land productivity, nutrient efficiency, pesticide field application efficiency and greenhouse gas (GHG) emission efficiency across a farm network. In 2019, the network comprised 1,659 reference and 1,928 benchmark farms. The farms are grouped

in clusters of uniform agro-climatic conditions and grower characteristics, and between them grow 19 crops in 39 countries. Reference farms are selected by Syngenta and recommended to use Syngenta products and to follow optimized protocols. Benchmark farms are randomly selected by a third-party research agency and represent typical grower practice for each cluster. Aggregated and anonymized data generated on the farms in the network is publicly available on our website as open data to enable others to use it, for example, in their own research.

Farm network

	2019	2018	2017
No. of reference farms	1,659	1,443	1,459
No. of benchmark farms	1,928	2,316	2,630

Reference farms continue to outperform

Crop yields, input use and GHG emissions depend on environmental and market conditions and vary widely from country to country and year to year. However, with six years of data now available, we are in a position to report robust positive trends.

We achieved significant improvements against our 2014 baseline when it came to GHG emission efficiency (36.7 percent), nutrient efficiency (46.8 percent) and pesticide field application efficiency (33.4 percent). Although we recorded an 18.8 percent improvement in land productivity, this was 1.2 percentage point short of our ambitious 20 percent target by 2020.

Land productivity increase¹ %

18.8%



1 On reference farms compared to baseline 2014

Reference farms continued to outperform the benchmark farms for GHG emission and nutrient efficiencies over the six-year monitoring period. Land productivity on reference farms was better than the average 12.4 percent increase on benchmark farms.

Overall, the improvements we saw on reference farms were a strong validation of our sustained and continuing efforts to improve crop efficiency. The use of modern crop protection and seeds technologies has had the biggest impact on increasing productivity. This has been particularly noticeable among corn growers across the globe and tomato growers in South America and Europe.

Measuring sustainability

Case study



Sustainability increasingly matters to consumers, so food processors and retailers are looking for ways to track their footprint and be transparent about it. For more than five years, Rita Herford, a wheat farmer in Michigan, US, has participated in the Great Lakes Origin Project with Kellogg's, Syngenta and a milling company. She tracks the inputs on her farm using Syngenta's farm management software Land.db and shares the data with Kellogg's. The data enables Rita to apply inputs very specifically, which improves her resource efficiency. Kellogg's, in turn, uses the data to inform its customers – retailers – of the sustainability of its products such as the carbon footprint.

Rita Herford tracks and shares sustainability information with customers 

Rescue more farmland

UN Sustainable Development Goals
2, 13, 15, 17

Today, over 50 percent of farmland is affected by soil degradation. Our response involves actively working with farmers to promote conservation agriculture. As a core element in climate-smart farming, it helps sequester carbon in soil, prevent land degradation, improve food security, reinforce farm and community resilience, enhance soil health and fertility, and deliver better crops to the value chain.

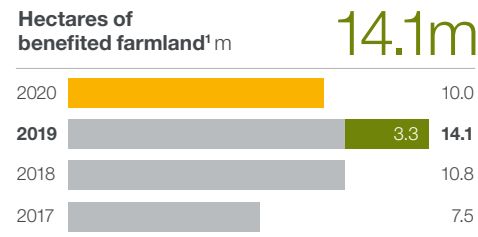
As well as working with farmers, we are also raising awareness of soil conservation among value chain partners, academics, government institutions and others. For example, Syngenta has been the private-sector partner of the UN Convention to Combat Desertification (UNCCD) for six years, alongside the World Business Council for Sustainable Development (WBCSD).

In 2019, we co-sponsored the WBCSD Business Day on Soil, Land and Agriculture at the UNCCD COP 14 in India. This event brought together business representatives and key stakeholders with a collective interest in combating land degradation worldwide. The day's main outcome was the UNCCD Delhi Declaration from Business on focusing perspectives, commitments and policy priorities towards achieving this shared goal.

Benefiting more farmland

Under our Good Growth Plan, we report on the hectares of land positively impacted by sustainable soil management using practices such as conservation tillage, crop rotation and permanent ground cover.

Since 2014, we have implemented 261 projects in 44 countries and have benefited a total of 14.1 million hectares of farmland – surpassing the overall 2020 target of improving the fertility of 10 million hectares of farmland on the brink of degradation. In 2019, our projects benefited 3.3 million hectares of farmland.



¹ Cumulative since baseline 2014

Demand for digital solutions is growing strongly worldwide. For the third consecutive year, the SmartBio initiative in sugarcane in Brazil was our largest project in the country. Benefiting 1.9 million hectares, it exemplifies how the combination of digital agriculture

Case study

More efficient practices make for a healthier farm

Soil health is crucial to the longevity of any farm – something that Péter Szabadka pays close attention to on his family farm in Hungary. Péter has been using our CONTIVO® solution since 2015, helping improve the vitality of his soil and prevent it washing away in heavy rain. Now an advocate of conservation agriculture, he has been investing in new machinery for cover cropping on his farm – further protecting the soil – as well as sharing these experiences with other farmers. As a sign of healthier soil, Péter is finding more and more earthworms in soil samples across his farm.



Conservation agriculture keeps Péter Szabadka's soil healthy and strong

and integrated pest management is helping growers. SmartBio is a third-party platform developed in partnership with Syngenta that allows sugarcane mill companies to map areas susceptible to different stress factors and select the best crop management mix for each of them.

We also continue to develop sustainable soil and digital solutions across Asia, EAME and North America. In China, we have seen a positive trend in the last two years, thanks to projects such as soil health training in Dingxi and straw incorporation in Qihe.

Help biodiversity flourish

UN Sustainable Development Goals
2, 15, 17

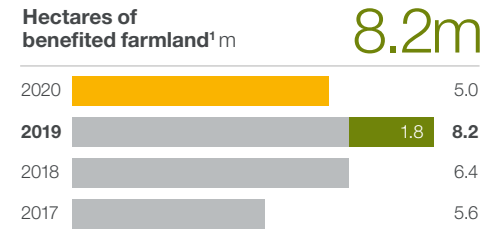
The sustainability of agriculture relies on biodiversity — for plant breeding, pollination and food diversity. We are promoting and enabling action to increase and connect habitats that support healthy and diverse wildlife populations.

A key strategy involves managing less-productive farmland alongside fields and waterways to provide corridors connecting wildlife habitats. These multi-functional field

margins support sustainable intensification on more productive land and help reintroducing local species while providing buffers for soil and water. Other examples of biodiversity enhancement practices include restoration and maintenance of managed forests and agro-forestry.

Exceeding our biodiversity targets

Since 2014, we have implemented 366 projects in 41 countries and benefited a total of 8.2 million hectares of farmland, exceeding our overall 2020 target of 5 million. In 2019, our projects benefited 1.8 million hectares of farmland – more than double last year’s contribution. This increase was primarily driven by improvements made through the Syngenta Sustainable Solutions program in North America.



¹ Cumulative since baseline 2014

EAME and China have also seen increases. In EAME, multi-functional field margins – including riparian forests – are now the most frequently adopted biodiversity measures in our portfolio. In China, the increase was driven mainly by the expansion of our Operation Pollinator™ and Hives on Farm projects.

The biodiversity projects we invest in worldwide continue to benefit farmers and their wider communities. For farmers, the positives include better soil nutrient cycling, crop pollination, pest control and water quality regulation. Social gains include enhanced genetic diversity, carbon sequestration and flood attenuation.

Making Bornholm a haven for pollinators

Case study

The Danish island of Bornholm is in full bloom. Beginning in 2018, Syngenta, volunteer farmers, and local partner organizations, have been planting flower strips around the island’s farms and fields through the Bornholm Blomstrer (“to bloom”) project – part of our Operation Pollinator™. Now in its second year, we have planted 8 hectares of flowers to provide habitat and resources for a variety of insect and animal species. Participating farms are now seeing more abundant resident wild bee and honey bee populations inside the flower strips than in their unmanaged ditch and fallow spaces.



← One of our wildflower strips outside Bornholm Airport

Empower smallholders

UN Sustainable Development Goals
1, 2, 17

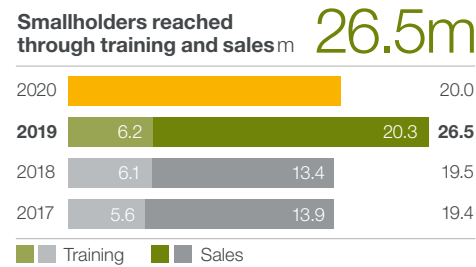
Smallholders produce more than 80 percent of the food consumed in much of the developing world. Their crop productivity lags well behind that of larger producers, so closing the gap significantly improves food security and reduces poverty.

Over half of our sales are made in growing economies where smallholder farmers predominate. Our contact with these customers is generally indirect: they buy through local distributors and retailers.

We work with partners to provide smallholders with tools and training that make agriculture more productive, efficient and profitable. Training on new technology and farming practices helps smallholders improve their yield and access to market. Through our reach, we help restore and maintain vibrant rural communities and enable farmers to progress beyond subsistence agriculture.

Expanding our reach through sales and training

We report on the number of smallholder farmers we reached through sales as well as through training. In 2019, we reached a combined total of 26.5 million smallholders through both channels. This represents an increase of 36 percent on the previous year and exceeds our 2020 target of reaching 20 million smallholders.



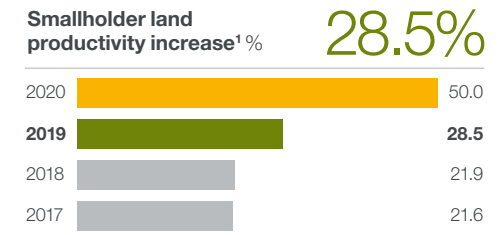
Through sales, we reached 20.3 million, an increase of 52 percent on the year before. In China alone, we reached 13.9 million smallholders, 82 percent up on 2018, mainly due to increased sales of our seed treatment products MAXIM® and the new product MAXIM® Advance.

Through training activities, we reached 6.2 million smallholders in 2019. This represents 73 percent of the total 8.6 million people we trained globally in 2019 – which is reported under the “Help people stay safe” commitment. About 90 percent of the smallholders we trained are in Asia Pacific.

Did you know? Smallholders help feed the world

They produce half of the world's calories and 80% of the developing world's food

We also report on the average land productivity increase for smallholders. In 2019, the average increase in land productivity for smallholder reference farms compared to the 2014 baseline was 28.5 percent – almost three times better than the average increase for smallholder benchmark farms. However, we fell short of our ambitious target of 50 percent productivity increase on smallholder farms by 2020.



¹ On smallholder reference farms compared to baseline 2014

We found this is because smallholder reference farmers that work with Syngenta for many years are already well advanced, with above-average baseline productivity. This is important since their farms also serve as demonstration farms for other farmers in their clusters.

Case study

Having an impact as a smallholder farmer

When Noah Naisali Kadima started farming, he knew little about it and sought advice and recommendations from various sources. Since becoming a reference farmer in Syngenta's Good Growth Plan in 2015, he has seen growing success on his small farm outside Nairobi, Kenya. After receiving training on how to use crop protection products safely and more effectively, Noah managed to cut his costs significantly while still improving his yields and profits. Noah also encourages other growers in his community to apply good agricultural practices and trains them during demonstration days on his farm.



← Noah Kadima grows onions, peppers and tomatoes in Kenya

Help people stay safe

UN Sustainable Development Goals
2, 3, 17

We are committed to helping improve occupational safety and health in agriculture. Ensuring that our products are used correctly is integral to our business model – to protect not only the health and safety of farm workers and the public, but also the environment.

This is particularly important for smallholders, especially those in developing countries, where using crop protection efficiently, responsibly and safely has a big impact on rural welfare.

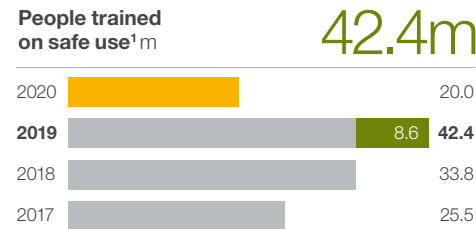
The benefit for customers comes both from using our products safely and using no more than is necessary, so that they minimize environmental impact and maximize their return on investment.

Expanding our safe-use training activities

We report on the number of people who may be exposed to crop protection products – such as farm workers, farm owners, smallholders, product distributors and employees – who attended safe-use training activities on the responsible handling and safe use of crop protection products.

In 2019, we trained 8.6 million people, bringing the cumulative total since 2014 to 42.4 million – exceeding our overall 2020 target of 20 million.

This year’s figure represents a slight increase compared to 2018, driven mainly by a significant increase in Asia Pacific that was offset by a slight decrease in Latin America.



¹ Cumulative since baseline 2014. Includes smallholders reached through training reported under “Empower smallholders”

Asia Pacific accounts for a large part of the people we train worldwide. In 2019, we implemented new partnerships with sugarcane, corn and cassava value chains in Thailand.

Latin America reported an overall decrease: although Brazil trained significantly more people, this increase was offset in Latin America North when we shifted to delivering training directly through Syngenta and less through partners.

Case study

Safe farming with drone technology

As application technology for crop protection products becomes more advanced, farmers need to stay on top of how to safely use these new systems. One of the latest developments is the use of drones to apply crop protection. Shi Lijie is a Syngenta Safe Use Training Ambassador and leader of the Agriculture Extension Service operating out of Daliutun town in the Liaoning province, China. She has helped us train farmers in the safe and effective use of pesticides since 2006. Now, Shi Lijie includes safe-use practices for drone application in her training sessions for local growers. In 2019, she has helped train more than 3,000 farmers through both online telecasts and face-to-face demonstrations.



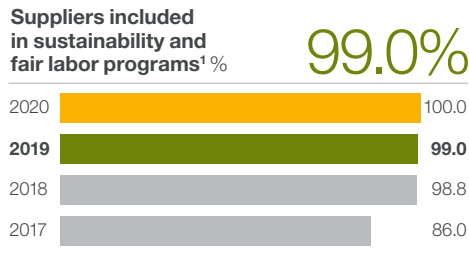
Shi Lijie advises farmers in the field on safe and effective pesticide use

Look after every worker

UN Sustainable Development Goals
2, 8, 17

We are committed to ensuring fair labor conditions across our supply chain, and we recognize our responsibility to ensure our suppliers meet the highest ethical standards. We report on the coverage of fair labor and sustainability programs in our main direct procurement activities: seed, chemical and flowers supply chains.

In 2019, 99 percent of all our suppliers were covered by these programs. We recognize that we cannot achieve 100 percent coverage because of constant changes in our supply chains, but we continuously strive to include our entire supply chain.



¹ The seed supply chain represents about 98% of the suppliers targeted by our sustainability and fair labor programs

Ensuring fair labor on seed supply farms

Comprising some 42,000 farms, our seed supply chain accounts for about 98 percent of the suppliers targeted by our fair labor and sustainability programs.

The areas we report on include the percentage of Syngenta seed producing countries and seed supply farms included in the Syngenta Fair Labor Program.

Since 2004, we have worked with the Fair Labor Association (FLA) to develop and roll out our Fair Labor Program tailored specifically for this complex supply chain. The program assesses labor practices on farms including: health and safety; child labor; awareness of workers' rights; wages and benefits; working hours; harassment and abuse; and discrimination.

In 2019, our program covered 99.3 percent of all our seed supply farms (2018: 99.2 percent). This represents 29 out of our current 33 seed-producing countries. We still need to implement our Fair Labor Program on 303 farms in the four remaining countries.

The Fair Labor Association accredited our Syngenta Fair Labor Program in India in 2015. We were the first agricultural company to earn this status, which confirms that a company's systems and procedures have been shown to successfully uphold fair labor standards throughout its supply chain.

Also at this time, recognizing that minimum wage issues affect entire communities of Indian farmworkers, the FLA and Syngenta sought to raise awareness among peer companies and began a collective effort to address minimum wages. Together with

the FLA, we convened a multi-stakeholder consultation in Hyderabad which, though it did not lead to consensus among the companies, helped Syngenta to develop a six-step action plan to address wage issues and begin pilots in two regions and crops. The results of the pilots are encouraging, and the FLA has published an independent report complete with key learnings on their website at www.fairlabor.org.

We continue to implement our global program in line with FLA requirements and are working to obtain FLA accreditation on a country-by-country basis.

Assessing and improving sustainability performance of our chemical supply chain

We engage with our chemical suppliers to assess and drive improvements in their health, safety, environmental and social standards through our Supplier Sustainability Program.

This comprises on-site audits by our own auditors, and audits or assessments conducted through the chemical industry's Together for Sustainability (TfS) initiative. This program assesses suppliers' performance against our standards, identifying potential gaps and supporting suppliers to make the required improvements.

In 2019, 94 percent of our chemical suppliers were included in our Supplier Sustainability Program. Coverage remained stable during the year due to natural fluctuations of the supplier base. For instance, we have added new supplier sites in China after the relocation of manufacturing sites as a result of production suspensions in certain provinces; and in LATAM following the reprioritization of our supplier base. There were also some suppliers that we will no longer audit as they are phased out.

The percentage of formulation, fill and pack tollers in the program decreased slightly to 83 percent (2018: 86 percent), while the percentage of packaging manufacturers increased to 63 percent (2018: 50 percent).

As well as auditing and assessing performance, our experts support our suppliers to identify and make the right improvements. We also run safety and environmental training programs to help address gaps in areas from risk assessment to emergency management.

Through the TfS initiative, we work collectively with other chemical companies to drive improvements in the sustainability of our supply chains. Our membership enables us to access supplier data from audits and assessments covering all areas of sustainability.

Flowers: meeting growing demand for Fairtrade products

Reporting areas here include the percentage of Syngenta and third-party commercial flower farms that hold a valid GlobalG.A.P certificate. In 2019, 88 percent of all farms held this certification (2018: 96 percent). The decrease was due to an increase in the overall number of commercial flowers farms that are now in the process of completing certification.

This year, our Kenya Pollen farm achieved Fairtrade accreditation – our second under this scheme after our Kenya Cuttings farm was accredited in June 2018. We sought accreditation in response to growing demand in the value chain for Fairtrade products.

Case study

New opportunities for rural women in Argentina

After an audit by the Fair Labor Association (FLA), one of the potential areas for improvement we identified in our seed supply chain in Argentina was the employment of more women. We held pilots in 2018, adapting our recruitment to attract more women applicants for roles as field workers and supervisors, and were met with keen interest. In 2019, we expanded this campaign to another seed multiplication site. These developments build on the success of our Argentine seed supply chain, which has consistently maintained excellent levels of compliance with the FLA Code of Conduct.



← Bringing more women into our supply chain in Argentina

Our progress in numbers

Since we launched The Good Growth Plan, we've established a solid foundation for progress reporting based on independent data collection and validation, assurance by third-party assurance providers, and endorsement through our implementing partners. We publish our data to be transparent and accountable, and to create new opportunities for informed dialogue with our stakeholders.

Reporting period October 1 – September 30	Cumulative since baseline 2014	2019	2018	2017
Make crops more efficient¹				
Total number of reference farms		1,659	1,443	1,459
Total number of benchmark farms		1,928	2,316	2,630
Land productivity increase on reference farms		18.8%	13.0%	10.9%
Land productivity increase on benchmark farms		12.4%	7.0%	7.3%
Nutrient efficiency increase on reference farms		46.8%	30.2%	20.3%
Reference farms outperforming benchmark farms		57%	64%	–
Pesticide field application efficiency increase on reference farms		33.4%	24.7%	14.2%
Reference farms outperforming benchmark farms		33%	38%	–
Greenhouse gas emission efficiency increase on reference farms ²		36.7%	8.8%	14.0%
Reference farms outperforming benchmark farms		65%	69%	–
Rescue more farmland				
Hectares of benefited farmland (m)	14.1	3.3	3.4	3.1
Help biodiversity flourish				
Hectares of benefited farmland (m)	8.2	1.8	0.8	0.7
Empower smallholders				
Land productivity increase on smallholder reference farms ¹		28.5%	21.9%	21.6%
Land productivity increase on smallholder benchmark farms ¹		11.0%	6.3%	5.1%
Smallholders reached through training (m)		6.2	6.1	5.6
Smallholders reached through sales (m)		20.3	13.4	13.9

¹ Reference farms were selected by Syngenta and are recommended to use Syngenta products and follow optimized protocols. Benchmark farms were randomly selected by a third-party research agency and represent grower practice. Reference and benchmark farms are grouped in clusters. A cluster presents homogeneous agro-climatic conditions and contains reference and/or benchmark farms with similar grower characteristics. The aggregation of the farm data is aligned with harvest seasons. The latest available progress data is 2018 for clusters located in the Northern hemisphere and 2019 for clusters located in the Southern hemisphere. Evolutions are reported for clusters with an established baseline and at least one year of progress data. Figures represent global averages. Details on methodology can be found on www.data.syngenta.com

² Greenhouse gas emissions are calculated consistent with Cool Farm Tool methodology using available farm data and proxies where farm data was not available. For US farm data, calculation methodology is consistent with Field to Market: The Alliance for Sustainable Agriculture

Reporting period October 1 – September 30	Cumulative since baseline 2014	2019	2018	2017
Help people stay safe				
People trained on safe use (m) ³	42.4	8.6	8.3	8.2
Countries with established Syngenta product toxicovigilance programs		100	100	100
Crop Protection sales represented		93%	93%	94%
Look after every worker				
Suppliers included in sustainability and fair labor programs ^{4,5}		99.0%	98.8%	86.0%
Coverage of Syngenta Fair Labor Program				
Syngenta seed producing countries ⁵		88%	88%	68%
Seed supply farms ⁵		99.3%	99.2%	86.0%
Of which: farms in Fair Labor Association (FLA)'s audit scope		100%	100%	67%
Of which: farms monitored ⁶		20%	n/a	20%
Coverage of Supplier Sustainability Program				
Chemical suppliers ⁷		94%	94%	90%
Formulation, fill and pack tollers ⁷		83%	86%	–
Packaging manufacturers ⁸		63%	50%	–
HSE audits at warehouse/logistics service providers		86	65	117
Commercial flowers farms with valid GlobalG.A.P. certification		88%	96%	90%
Commercial flowers farms with valid G.R.A.S.P. assessment ⁹		100%	44%	32%

3 Includes smallholders reached through training reported under "Empower smallholders"

4 The seed supply chain represents about 98 percent of the suppliers targeted by our sustainability and fair labor programs

5 2018 values were restated due to a reporting error

6 The 2018 figure was not available due to the implementation of a new reporting tool

7 Includes only chemical suppliers or formulation, fill and pack tollers categorized as posing a high or medium sustainability risk

8 Includes all packaging manufacturers independently of their level of sustainability risk

9 Since 2019, the percentage of commercial flower farms with valid G.R.A.S.P. assessment include only own farms while in previous years, it also included third-party farms. The assessment proved to be too onerous for third-party farms. Other alternatives to measure performance are being evaluated



To find out more about our approach
to open data or to access the files

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Keep up to date with The Good Growth Plan

Throughout the year, we provide updates on The Good Growth Plan website. There, you'll find more information about each commitment as well as a range of case studies from the field.



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Read more on
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For further information and answers to many "Frequently Asked Questions", visit our corporate website: www.syngenta.com

Syngenta supports the 10 principles of the United Nations Global Compact through an established commitment to sustainability and ongoing implementation of policies on human rights, fair labor, environmental protection and anti-corruption.



WE SUPPORT

Through The Good Growth Plan, Syngenta supports the United Nations Sustainable Development Goals (SDGs). Collectively, the Plan's six commitments contribute towards delivering the SDGs: all six commitments contribute directly to Goal 2 (zero hunger) and Goal 17 (partnerships for sustainability), as well as individually towards a number of other goals.

SUSTAINABLE
DEVELOPMENT GOALS



Read more on
sustainabledevelopment.un.org

Bringing plant potential to life