



The Good Growth Plan Progress Data - Productivity



**Make crops
more efficient**

Version: March 6, 2021

1. Summary

Syngenta is committed to increasing crop productivity and to using limited resources such as land, water and inputs more efficiently. Since 2014, we have been measuring trends in agricultural productivity on a global network of real farms. Progress is tracked against The Good Growth Plan (GGP) goal to increase productivity by 20% by 2020 without using more inputs or resources.

The Productivity dataset shows aggregated crop productivity indicators at country-level. The data has been collected from close to 140,000 farms and covers more than 14 different crops in 13 countries. The majority of data comes from the Kynetec farm panels and is complemented by data collected by Kynetec on the Syngenta Good Growth Plan Farm network and other internal sources.

2. Structure of the data

Variable name	Definition	Unit	Type of data
HarvestYear	Year the crop was harvested		String
ReportingYear	Syngenta definition of reporting year for non-financial indicators		String
Country	Country		String
Crop	Crop		String
Description	Crop details		String
DataSource	Data source name		String
LandProductivity	Average land productivity as marketable crop yield per land unit	tons per hectare	Numeric
Farms	Number of farms	farms	Numeric

3. Background and methods

Syngenta reports on crop productivity in its key markets. For most data, Syngenta relies on crop productivity collected within the scope of Kynetec’s crop subscription offer (AgrilInsight and Amis panels).

Crop Productivity estimates are calculated and reported for farmers who use Syngenta crop protection and/or seed solutions.

Where available, farm data collected within the scope of the Good Growth Plan farm network in Africa Middle East and internal data sources are used.

Land Productivity is defined as the marketable crop yield in metric tons per hectare. Results are aggregated over all farms weighted by land size.

4. Changes versus previous release

Data collection on the GGP Farm network was discontinued in 2020 and replaced by the Kynetec Farm Panel.

The resulting increase in sample size from 4000 to almost 140000 farms implies a significant increase in the representativity and data quality of the Land Productivity measure.

Input efficiency indicators are currently not reported.

5. Non-financial performance data quality

The Good Growth Plan data is published as a global aggregate in the Non-financial performance summary of Syngenta AG group (Syngenta)'s Environmental, Social and Governance Report (ESG Report) 2020. Syngenta's internal controls for non-financial reporting are designed to provide assurance to Syngenta's Board of Directors and management regarding the reliability of non-financial reporting and fair presentation of the information published in the Non-financial performance summary. Yet, all internal controls, no matter how well designed, have inherent limitations and therefore may not prevent or detect misstatements. In designing internal controls for non-financial reporting, we used the criteria established in Internal Control – Integrated Framework (2013) issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO). PricewaterhouseCoopers AG, Switzerland, an independent registered public accounting firm, has issued an opinion on Syngenta's Non-financial performance summary, which is included in the ESG Report 2020.

6. Contact information

For questions and inquiries regarding this dataset and documentation, please contact goodgrowthplan.data@syngenta.com.