



# The Good Growth Plan Progress Data - Productivity

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## 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.

The Productivity dataset shows aggregated crop productivity indicators at country-level. Data is collected and aggregated at country-level through Kynetec’s FarmTrak™ panels (for which reference farm is defined as those farms with a larger than average share of wallet of Syngenta products) and Syngenta Group’s Modern Agriculture Platform (MAP), the land.db farm software and the Cropio digital farming solution.

## 2. Structure of the data

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

## 3. Background and methods

The scope of land productivity increase covers evolutions of crop productivity but relying on data collected within the scope of Kynetec’s crop subscription offer (FarmTrak™ panels), and data sources shared by Syngenta Farm management system (China, Russia, Ukraine and US). Crop Productivity estimates are calculated and reported for farmers who use Syngenta crop protection and/or seed solutions.

Land Productivity is defined as the marketable crop yield in metric tons per hectare.

If relevant, the different data sets (i.e. Syngenta, Kynetec) will be aggregated to one national data set per crop by calculating a weighted average (considering hectares interviewed per data source as different weights). In case Syngenta has multiple subnational data sources, these will be integrated in the national dataset building on the same logic (i.e. using hectares interviewed as weight).

## 4. Non-financial performance data quality

The data is published as a global aggregate in the Non-financial performance summary of Syngenta AG group (Syngenta) Environmental, Social and Governance (ESG) Report annually. 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 of the ESG Report. 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). Every year, PricewaterhouseCoopers AG, Switzerland, an independent assurance provider, issues a limited assurance opinion on Syngenta's Non-financial performance summary included in the ESG Report.

## 5. Contact information

For questions and inquiries regarding this dataset and documentation, please contact [goodgrowthplan.data@syngenta.com](mailto:goodgrowthplan.data@syngenta.com).