

Kenya - Good Growth Plan, 2022

Syngenta

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Identification

SURVEY ID NUMBER

KEN_2021-2022_GGP-P_v01_EN_M_v01_A_OCS

TITLE

Good Growth Plan, 2022

COUNTRY

| Name | Country code |
|-------|--------------|
| Kenya | KEN |

STUDY TYPE

Agricultural Survey [ag/oth]

ABSTRACT

Syngenta is committed to increasing crop productivity and to using limited resources such as land, water and inputs more efficiently. Since 2014, Syngenta has been measuring trends in agricultural input efficiency on a global network of real farms.

The Good Growth Plan dataset shows aggregated productivity and resource efficiency indicators by harvest year. The data has been collected from more than 700 farms and covers more than 10 different crops in 7 African countries.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Agricultural holdings

Scope

NOTES

Data was collected on the usage of inputs, such as crop protection products, chemical fertilizer, seeding rates, labor hours, machinery usage hours, and marketable crop yield on a per hectare basis.

Coverage

GEOGRAPHIC COVERAGE

National Coverage

Producers and sponsors

PRIMARY INVESTIGATORS

| Name |
|----------|
| Syngenta |

Sampling

SAMPLING PROCEDURE

A. Sample design

Farms are grouped in clusters, which represent a crop grown in an area with homogenous agro- ecological conditions and include comparable types of farms. The sample includes reference and benchmark farms.

B. Sample size

Sample sizes for each cluster are determined with the aim to measure statistically significant increases in crop efficiency over time. This is done based on target productivity increases and assumptions regarding the variability of farm metrics in each cluster. The smaller the expected increase, the larger the sample size needed to measure significant differences over time. Variability within clusters is assumed based on public research and expert opinion. In addition, growers are also grouped in clusters as a means of keeping variances under control, as well as distinguishing between growers in terms of crop size, region and technological level. A minimum sample size of 20 interviews per cluster is needed. The minimum number of reference farms is 5 of 20. The optimal number of reference farms is 10 of 20 (balanced sample).

WEIGHTING

No weighting.

Data Collection

DATES OF DATA COLLECTION

| Start | End |
|-------|------|
| 2021 | 2022 |

DATA COLLECTION MODE

Computer Assisted Personal Interview [capi]

Access policy

CONTACTS

| Name | Affiliation | Email |
|---------------------------|-------------|----------------------------------|
| The Good Growth Plan team | Syngenta | goodgrowthplan.data@syngenta.com |

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The users shall not take any action with the purpose of identifying any individual entity (i.e. person, household, enterprise, etc.) in the micro dataset(s). If such a disclosure is made inadvertently, no use will be made of the information, and it will be reported immediately to FAO

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CITATION REQUIREMENTS

The Good Growth Plan Progress Data - Productivity 2021-2022

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Metadata production

DDI DOCUMENT ID

DDI_KEN_2021-2022_GGP-P_v01_EN_M_v01_A_OCS

PRODUCERS

| Name | Abbreviation | Affiliation | Role |
|------------------------------|--------------|-----------------------------------|-------------------|
| Office of Chief Statistician | OCS | Food and Agriculture Organization | Metadata producer |

Data Description

| Data file | Cases | Variables |
|--|--------------|------------------|
| data_anon_pre_planting_kenya | 229 | 53 |
| data_anon_post_harvest_kenya | 84 | 56 |
| data_anon_fertilizer_kenya | 91 | 13 |
| data_anon_crop_protection_kenya | 83 | 10 |