

COCOA INCOME INVENTORY

This document provides more detailed information on the methodology used in the current Cocoa Income Inventory.

Methodology of the Inventory

- We have used data provided by different organisations to calculate the weighted average, median and minimum and maximum for several indicators. In the future we will also collect information on the standard deviation.
- These indicators were developed based on the Cocoa Household Income Study approach (CHIS)
- The procedures that have been performed to establish this data compilation did not constitute an audit or other assurance engagement of the data that was delivered
- Consequently, this data overview does not express any assurance as to the reliability of the data provided by the organisations.
- We only include survey and Farmer Field Book data. We removed datapoints when they were based on model calculations or expert knowledge or assumptions
- We include the total number of observations per indicator that the calculation was based on.
- The number of observations vary per indicator; we calculated the weighted average per indicator based on the total number of observations for that indicator.
- The weighted average was calculated by 1) multiplying the indicator value with the number of observations for each dataset, 2) adding up the derived values for all datasets and then 3) dividing that total value by the total number of observations for all datasets combined.
- As we do not have the total population from which the provided data was sampled, we cannot conclude that the information provided is representative for the total population.
- One dataset already contained weighted averages to make the data more representative for the entire population. We used this data in the calculations in the same way as the other datasets.
- Exchange rates: All figures are in USD: Either we used the figures in USD as indicated by the dataset, or we converted the Local Currency Unit to USD by using the average exchange rate of the 1st and last day of the respective cocoa season (1 October / 30 September).
- Sometimes the recall period was slightly different than the official previous cocoa season, we assumed that farmers answered for the specific previous cocoa season
- Sometimes the number of observations contains a figure behind the dot, this is because organisations indicated that the indicator value was available for a certain proportion of the total sample; we calculated the total number of observations based on this
- If the labour time spent on cocoa production activities was recorded in hours, we assumed 8 hours per working day.

Data Protection

The Cocoa Income Inventory (CII) does not contain any personal data. It is built on indicator values shared by participating organizations, ensuring full compliance with GDPR and related data protection regulations. Anonymization and aggregation safeguards confidentiality while allowing for meaningful sector-wide insights.

Source Living Income Benchmark figures:

Côte d'Ivoire

1) Ivorian Center for Socio Economic Research, CIRES (2018) Living Income Report: Rural Cote D'Ivoire, Cocoa growing areas. Living Income Community of Practice. 2) Anker, R., & Anker, M. (2022) Living Income Benchmark, June 2022 Update. Cote D'Ivoire, Rural Cocoa Growing Areas. The Living Income Community of Practice & Anker Research Institute. 3) Medinaceli, A., Andersen, L.E., Delajara, M., Anker, R., Anker, M., (2024) Living Income Update Report, Rural Cocoa Growing Areas, Côte D'Ivoire, 2024. Anker Research Institute.

Ghana:

1) Smith, S. & Sarpong, D. (2018) Living Income Report: Rural Ghana, Cocoa growing areas of Ashanti, Central, Eastern and Western Regions. Living Income Community of Practice. 2) Anker, M. & Anker, R. (2022) Living Income Benchmark, June 2022 Update: Rural Ghana. Living Income Community Practice & Anker Research Institute. 3) Medinaceli, A., Andersen, L.E., Delajara, M., Anker, R., Anker, M., (2024) Living Income Update Report, Rural Cocoa Growing Areas, Ghana, 2024. Anker Research Institute.

Ideas for future further development of the Cocoa Income Inventory

Show the data for the following groups:

- Men and women
- Owners, sharecroppers, tenants
- Program/Project participants and non-participants
- Households in direct and indirect supply chain

Citation

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