

Yemen - Data in Emergencies (DIEM) Monitoring System - Household Survey - Round 6, Yemen, 2023

**Food and Agriculture Organization of the United Nations, Data in Emergencies
Hub, Office of Emergencies and Resilience**

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Identification

SURVEY ID NUMBER

YEM_2023_DIEM_HS_R6_v01_M_v01_A_ESS

TITLE

Data in Emergencies (DIEM) Monitoring System - Household Survey - Round 6, Yemen, 2023

ABBREVIATION OR ACRONYM

DIEM HHS YEM R6 - 2023

COUNTRY

Name	Country code
Yemen	YEM

STUDY TYPE

Agricultural Survey [ag/oth]

ABSTRACT

The Food and Agriculture Organization of the United Nations (FAO) has developed a monitoring system in 26 food crisis countries to better understand the impacts of various shocks on agricultural livelihoods, food security and local value chains. The Monitoring System consists of primary data collected from households on a periodic basis (more or less every four months, depending on seasonality). FAO launched a round 6, computer-assisted telephone interviews survey conducted from 1 to 18 March 2023 in Yemen. A total of 2 443 households were reached across all 22 governorates of Yemen using a panel list of agricultural households, that had been interviewed in the previous data collection rounds, to reach the target.

For more information, see <https://data-in-emergencies.fao.org/pages/monitoring>.

KIND OF DATA

Sample survey data [ssd]

UNIT OF ANALYSIS

Households

Scope

NOTES

The survey collected information on the following areas:

- HOUSEHOLD: household information
- INCOME SOURCES, SHOCKS: income changes, shocks experienced by households
- CROP PRODUCTION: crops planted, area planted, area harvested, crop production difficulties
- CROP MARKETING: crop sale difficulties, crop sale price
- LIVESTOCK PRODUCTION: types of livestock present on holding, number of livestock, livestock production difficulties
- LIVESTOCK MARKETING: livestock sale, livestock sale difficulties, livestock sale price
- FISHERIES PRODUCTION: fish activity, comparison of fish production
- FISHERIES MARKETING: fish sale, fish sale difficulties, fish sale price
- FOOD SECURITY AND CONSUMPTION: food consumption, food utilization, coping strategies
- NEEDS ASSISTANCE: open questions on the needs for assistance

Coverage

GEOGRAPHIC COVERAGE

National coverage

UNIVERSE

Entire population.

Producers and sponsors

PRIMARY INVESTIGATORS

Name
Food and Agriculture Organization of the United Nations, Data in Emergencies Hub, Office of Emergencies and Resilience

PRODUCERS

Name	Abbreviation	Affiliation	Role
Data in Emergencies Hub, Office of Emergencies and Resilience	DIEM Hub	Food and Agriculture Organization of the United Nations	Data processing and analysis

FUNDING AGENCY/SPONSOR

Name	Abbreviation
European Union	EU
Food and Agriculture Organization of the United Nations, Special Fund for Emergency and Resilience Activities	SFERA

Sampling

SAMPLING PROCEDURE

A survey targeting 2 420 households was initially designed with 110 households targeted in each of the 22 governorates. The sample was representative of the population of Yemen and of the governorates at administrative 1 level with a 95 percent confidence level and a 10 percent margin of error. A total of 2 443 households were interviewed during this sixth-round survey using random digit dialing and a panel list of agricultural households, that had been interviewed in the previous data collection rounds, to reach the target. Of the surveyed households, 48 percent were engaged in the production and sale of crops, livestock and both, and around 2 percent were engaged in the production and sale of fish in the 12 months preceding the survey. However, the number of agricultural households interviewed in Aden, Al Jawf and Sana'a City was low and findings from these governorates should be interpreted with caution.

WEIGHTING

Data were weighted at the analytical stage at the first administrative level (ADM1) to ensure the results are representative and to adjust for sampling biases commonly introduced in phone-based surveys:

- Base Weights (ADM1 Level): These weights were calculated to reflect the population distribution across regions, ensuring proportional representation based on each region's share of the total population.
- Wealth Weights (ADM1 Level): To address the inherent bias in phone surveys—where wealthier households are more likely to own phones and thus be overrepresented—weights were further adjusted using proxies for household wealth. Specifically, the education level of the household head and access to potable water were used to account for socioeconomic disparities.

Data collection

DATES OF DATA COLLECTION

Start	End
2023-03-01	2023-03-18

DATA COLLECTION MODE

Computer Assisted Telephone Interview [cati]

Questionnaires

QUESTIONNAIRES

A link to the questionnaire has been provided in the downloads tab.

Data Processing

DATA EDITING

The datasets have been edited and processed for analysis by the Food and Agriculture Organization of the United Nations, Data in Emergencies (DIEM) Hub at the Office of Emergencies and Resilience, with some dashboards and visualizations produced. For more information, see <https://data-in-emergencies.fao.org/pages/countries>.

STATISTICAL DISCLOSURE CONTROL (SDC)

The dataset was anonymized by the Food and Agriculture Organization of the United Nations, Data in Emergencies (DIEM) Hub and reviewed by the Statistics Division, using Statistical Disclosure methods in accordance with FAO Corporate Statistical Disclosure Control Protocol. All direct identifiers have been removed prior to data submission. For more information, see

<https://openknowledge.fao.org/server/api/core/bitstreams/833ee200-0484-4f87-8f5c-b3fed4a3722b/content>.

Access policy

CONTACTS

Name	Affiliation	Email	URL
Data in Emergencies Hub, Office of Emergencies and Resilience	Food and Agriculture Organization of the United Nations	DIEM-Hub-List@fao.org	Link

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- The micro dataset will only be used for statistical and/or research purposes;
- Any results derived from the micro dataset will be used solely for reporting aggregated information, and not for any specific individual entities or data subjects;
- 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

FAO. 2025. Data in Emergencies Monitoring Household Survey - Yemen, Round 6, 2023. data-in-emergencies.fao.org. Dataset downloaded from microdata.fao.org.

ACCESS AUTHORITY

Name	Affiliation	Email	URL
Data in Emergencies Hub, Office of Emergencies and Resilience	Food and Agriculture Organization of the United Nations	diem-hub-list@fao.org	Link

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Metadata production

DDI DOCUMENT ID

DDI_YEM_2023_DIEM_HS_R6_v01_M_v01_A_ESS_FAO

PRODUCERS

Name	Abbreviation	Affiliation	Role
Data in Emergencies Hub, Office of Emergencies and Resilience	OER	Food and Agriculture Organization of the United Nations	Metadata producer
Statistics Division	ESS	Food and Agriculture Organization of the United Nations	Metadata adapted for FAM

Data Dictionary

Data file	Cases	Variables
anon_df_YEM_R6	2443	300