

# Myanmar - Data in Emergencies (DIEM) Monitoring System - Household Survey - Round 5, Myanmar, 2023

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

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Visit our data catalog at: <https://microdata.fao.org/index.php>

## Identification

### SURVEY ID NUMBER

MMR\_2023\_DIEM\_HS\_R5\_v01\_M\_v01\_A\_ESS

### TITLE

Data in Emergencies (DIEM) Monitoring System - Household Survey - Round 5, Myanmar, 2023

### ABBREVIATION OR ACRONYM

DIEM HHS MMR R5 - 2023

### COUNTRY

Name	Country code
Myanmar	MMR

### 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 and the World Food Programme (WFP) launched a Round 5, randomised telephone interviews survey from 10 December 2022 to 27 January 2023 in Myanmar. The random sample targetted 4,200 households (300 per States/Region) in the 14 States/Regions: Ayeyarwady, Yangon, Bago, Magway, Mandalay, Sagaing, Chin, Kayin, Kayah, Mon, Shan, Kachin, Tanintharyi, and Rakhine.

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

Surveys are designed based on country-specific needs, objectives, and constraints. They aim to achieve a 10 percent margin of error, a 95 percent confidence level, administrative-level granularity, and sufficient sample sizes for key target populations, including agricultural households.

A total sample of 4200 households (300 per selected State/Region) was intended to be interviewed over a 30-day period. Phone numbers from previous survey rounds were reused and supplemented through Random Digit Dialing (RDD).

Because agricultural households were the primary subgroup of interest for FAO, a minimum quota of 140 agricultural households per stratum was established within the 300-household sample for both RDD and panel interviews. In Yangon Region, however, the quota was reduced to 100 agricultural households. To identify eligible respondents, a screening question on agricultural activity was asked at the beginning of each interview. GeoPoll and WFP monitored daily progress in reaching both agricultural and non-agricultural households.

As in previous rounds, FAO and WFP also applied respondent caps for highly urbanized townships, typically State/Region capitals, in order to avoid oversampling urban populations. These caps set the maximum number of respondents that could be interviewed in a given township and were proportional to township population size. The approach had been successfully implemented in earlier survey rounds to maintain a more balanced and representative sample distribution. In addition, FAO established minimum quotas for households relying on agricultural livelihoods.

Ultimately, a total of 3948 households were interviewed.

## WEIGHTING

The weighting approach incorporates key demographic and socioeconomic variables to improve the representativeness of the sample:

- Demographic Weights: Regional base weights were first calculated at the first administrative level (ADM1) to reflect the probability of selection within each state.
- Quota Weights: The base weights were further adjusted using the rural-urban household proportions at the ADM1 level. This adjustment corrects for the over- or under-representation of rural and urban households in the sample relative to their expected distribution in each state.
- Education-Level Weights: The education level of the household head was used as a proxy for socioeconomic status and wealth at the ADM1 level. Religious education was recoded as "no education" due to the lack of baseline data for this

category.

## Data collection

### DATES OF DATA COLLECTION

Start	End
2022-12-10	2023-01-27

### 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	<a href="#">Link</a>

### CONFIDENTIALITY

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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- 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 - Myanmar, Round 5, 2023. [data-in-emergencies.fao.org](https://data-in-emergencies.fao.org). Dataset downloaded from [microdata.fao.org](https://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	<a href="mailto:diem-hub-list@fao.org">diem-hub-list@fao.org</a>	<a href="#">Link</a>

## Disclaimer and copyrights

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#### DISCLAIMER

The user of the data acknowledges that the original collector of the data, the authorized distributor of the data, and the relevant funding agency bear no responsibility for use of the data or for interpretations or inferences based upon such uses.

## Metadata production

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#### DDI DOCUMENT ID

DDI\_MMR\_2023\_DIEM\_HS\_R5\_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_MMR_R5	3948	266