

Lebanon - Data in Emergencies (DIEM) Monitoring System - Household Survey - Round 4, Lebanon, 2022

**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

LBN_2022_DIEM-HHS-R4_v01_M_v01_A_ESS

TITLE

Data in Emergencies (DIEM) Monitoring System - Household Survey - Round 4, Lebanon, 2022

ABBREVIATION OR ACRONYM

DIEM HHS LBN R4 - 2022

COUNTRY

Name	Country code
Lebanon	LBN

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 (approximately every four months, depending on seasonality). In partnership with Lebanon's Ministry of Agriculture, FAO conducted a household survey in Lebanon from 24 October to 19 November 2022 through computer-assisted telephone interviews. This fourth-round survey reached the same cohort of 1050 agricultural households that has been surveyed since the first round of DIEM-Monitoring in Lebanon. The survey targeted seven governorates – Akkar, Baalbek-EI Hermel, Bekaa, Mount Lebanon, EI Nabatieh, North and South – by selecting 150 households in each. 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:

- 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

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	Role
European Union	EU	Funding
Food and Agriculture Organization of the United Nations, Special Fund for Emergency and Rehabilitation	SFERA	Funding

Sampling

SAMPLING PROCEDURE

The survey targeted the agricultural population using as a sample frame the Lebanon Agricultural Production Survey, a large survey of agricultural households drawn from the Agricultural Census. The survey reached the same cohort of 1 050 agricultural households that has been surveyed since the first round of DIEM-Monitoring in Lebanon with the exception of some households whose substitutions was necessary. The survey targeted seven governorates - Akkar, Baalbek-El Hermel, Bekaa, Mount Lebanon, El Nabatieh, North and South - with 150 households selected in each governorate using probability proportional to size based on the Agricultural Production Survey. This sample was stratified by activity type and farm size to enhance representativeness.

To maximize homogeneity within strata and optimize sample allocation, a stratification algorithm based on the "genetic" method proposed by Ballin and Barcaroli-outlined in Stratified Sampling in Multipurpose and Multidomain Surveys: Joint Determination of Optimal Stratification and Sample Allocation-was applied.

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.

WEIGHTING

At the analytical stage, data were weighted to ensure that both farm size and regional population distribution were accurately represented, aligning the analysis with the structure of the agricultural population. A dual weighting approach was adopted to enhance representativeness: first, regional strata weights were applied to adjust the data according to the actual population distribution within each region; second, farm size was used as a proxy for wealth, serving as a corrective weight to address the overrepresentation of large farms in the sample. To support this process, the questionnaire was specifically adapted to capture farm size in a format consistent with the Agricultural Population Census, enabling the application of farm-size weights that ensure smaller farms and underrepresented groups are adequately reflected in the final analysis.

Data collection

DATES OF DATA COLLECTION

Start	End
2022-10-24	2022-11-19

DATA COLLECTION MODE

Computer Assisted Telephone Interview [cati]

Questionnaires

QUESTIONNAIRES

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

Data Processing

DATA EDITING

The datasets have been edited and processed for analysis by the Data in Emergencies (DIEM) Hub at the Office of Emergencies and Resilience, FAO, 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 using Statistical Disclosure methods by the Data in Emergencies (DIEM) Hub and reviewed by the Statistics Division of FAO. All direct identifiers have been removed prior to data submission.

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

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;
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CITATION REQUIREMENTS

The use of the dataset should be referenced in any publication, using the following citation:

FAO. 2025. Data in Emergencies Monitoring Household Survey - Lebanon, Round 4, 2022. 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_LBN_2022_DIEM-HHS-R4_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
data_anon_df_LBN_R4	1050	268