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| **Research Methodology Note**  **[Food supply, agricultural livelihoods and food security monitoring in the context of COVID-19 and others shocks]**  **[LBY2101]**  **[Libya ]** | |
| **[18/02/21]** | **C:\Users\Megan\AppData\Local\Microsoft\Windows\INetCache\Content.Word\REACH logo white (for a coloured background).jpg** |
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# Executive Summary

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Country of intervention** | Libya | | | | | | | |
| **Type of Emergency** | □ | Natural disaster | □ | Conflict | | | □ | Other *(specify)* | |
| **Type of Crisis** | □ | Sudden onset | □ | Slow onset | | | **X** | Protracted | |
| **Mandating Body/ Agency** | Food and Agricultural Ogranisation of the United Nations (FAO) | | | | | | | |
| **IMPACT Project Code** | LBY2101 | | | | | | | |
| **Research Timeframe**  *Add planned deadlines (for first cycle if more than 1)* | 1. Pilot/ training: 08/03/2021 | | | | 6. Preliminary presentation: \_ \_/\_ \_/\_ \_ \_ \_ | | | |
| 2. Start collect data: 17/03/2021 | | | | 7. Outputs sent for validation: \_ \_/\_ \_/\_ \_ \_ \_ | | | |
| 3. Data collected: 21/05/2021 | | | | 8. Outputs published: 17/08/2021 | | | |
| 4. Data analysed: 30/06/2021 | | | | 9. Final presentation: \_ \_/\_ \_/\_ \_ \_ \_ | | | |
| 5. Data sent for validation: 30/06/2021 | | | |
| **Humanitarian milestones**  *Specify* ***what*** *will the assessment inform and* ***when***  *e.g. The shelter cluster will use this data to draft its Revised Flash Appeal;* | **Milestone** | | | | **Deadline** | | | |
| X | Donor plan/strategy | | | 30/07/2021 | | | |
| □ | Inter-cluster plan/strategy | | | \_ \_/\_ \_/\_ \_ \_ \_ | | | |
| □ | Cluster plan/strategy | | | \_ \_/\_ \_/\_ \_ \_ \_ | | | |
| □ | NGO platform plan/strategy | | | \_ \_/\_ \_/\_ \_ \_ \_ | | | |
| □ | Other (Specify): | | | \_ \_/\_ \_/\_ \_ \_ \_ | | | |
| **Audience Type & Dissemination** *Specify* ***who*** *will the assessment inform and* ***how*** *you will disseminate to inform the audience* | **Audience type** | | | | **Dissemination** | | | |
| □ Strategic  X Programmatic  □ Operational  □ [Other, Specify] | | | | **□** General Product Mailing (e.g. mail to NGO consortium; HCT participants; Donors)  □ Cluster Mailing (Education, Shelter and WASH) and presentation of findings at next cluster meeting  □ Presentation of findings (e.g. at HCT meeting; Cluster meeting)  □ Website Dissemination (Relief Web & REACH Resource Centre)  X Shared bilaterally with donor | | | |
| **Detailed dissemination plan required** | □ | Yes | | | X | No | | |
| **General Objective** | The overall objective of this information system is to monitor risks to food security, food systems, and agricultural livelihoods stemming from the impacts of the COVID-19 pandemic and other crises affecting Libya. The assessment will target a wide range of actors within the agricultural sector: agricultural households, food traders, agricultural input vendors and agricultural extension officers covering 10 mantikas[[1]](#footnote-1) across all regions in Libya. Periodic data collection and monitoring will identify emerging risk factors, highlight food insecure hotspots, reveal trends in key indicators, and provide early warning information. This information will, in turn, enable timely, evidence-based decisions on tailored actions and interventions that support vulnerable households. | | | | | | | |
| **Specific Objective(s)** | 1. Understand the impact of COVID-19, conflict, fuel crises, liquidity crises and power crises on the food traders, agricultural input vendors and agricultural households 2. Measure the prevalence and risks to food security amongst agricultural households in Libya 3. Identify trends of livelihoods needs amongst agricultural households in Libya | | | | | | | |
| **Research Questions** | 1. What are the impacts of the COVID-19 pandemic and other crises on food security? 2. What are the impacts of the COVID-19 pandemic and other crises on overall food systems (domestic production and imports)? 3. What are the impacts of the COVID-19 pandemic and other crises on agricultural livelihoods? 4. Where are the food insecure hotspots among agricultural households? (Food Insecurity Experience Scale (FIES)) 5. What are the key indicator trends on household vulnerability to provide information for early warning mechanisms? 6. What are the needs and/or support required by agricultural households, food traders and input vendors to mitigate the adverse effects of COVID-19 on their livelihoods? | | | | | | | |
| **Geographic Coverage** | 10 mantikas across Libya:  South: Sebha, Ubari, Murzuq  East: Jebel Al Akhdar, Al Kufra, Ejdabia, Al Marj  West: Jebel Gharbi, Al Jfara, Al Marageb | | | | | | | |
| **Secondary data sources** | The assessment was triggered in response to previous study conducted by FAO and WFP in mid-2020 that outlined the need to monitor risks to food security, food systems, and agricultural livelihoods stemming from the impacts of the COVID-19 pandemic in Libya (Report not yet published). Otherwise, the assessment has been guided by previous agriculture assessments conducted by WFP and FAO.[[2]](#footnote-2) [[3]](#footnote-3) | | | | | | | |
| **Population(s)** | □ | IDPs in camp | | | □ | IDPs in informal sites | | |
| *Select all that apply* | □ | IDPs in host communities | | | □ | IDPs [Other, Specify] | | |
|  | □ | Refugees in camp | | | □ | Refugees in informal sites | | |
|  | □ | Refugees in host communities | | | □ | Refugees [Other, Specify] | | |
|  | **X** | **Host communities** | | | □ | [Other, Specify] | | |
| **Stratification**  *Select type(s) and enter number of strata* | X | Geographical #:10 Mantikas  Population size per strata is known? X Yes □ No | □ | Group #: \_ \_ \_  Population size per strata is known?  □ Yes □ No | | | □ | *[Other Specify]* #: 4  Population size per strata is known?  □ Yes X No |
| **Data collection tool(s)** | **X** | Structured (Quantitative) | | | □ | Semi-structured (Qualitative) | | |
|  | **Sampling method** | | | | **Data collection method** | | | |
| **Agricultural Household Tool # 1**  *Select sampling and data collection method and specify target # interviews* | **X Purposive**  □ Probability / Simple random  □ Probability / Stratified simple random  □ Probability / Cluster sampling  □ Probability / Stratified cluster sampling  □ [Other, Specify] | | | | □ Key informant interview (Target #):\_ \_ \_ \_ \_  □ Group discussion (Target #):\_ \_ \_ \_ \_  **X Household interview**[[4]](#footnote-4)  **(Target #):**\_550 \_ \_ | | | |
| **Agricultural input vendors # 2**  *Select sampling and data collection method and specify target # interviews* | **X Purposive**  □ Snowballing  □ [Other, Specify] | | | | **X Key informant interview[[5]](#footnote-5) (Target #):\_ 30 \_ \_** | | | |
| **Food traders # 3**  *Select sampling and data collection method and specify target # interviews* | **X Purposive**  □ Snowballing  □ [Other, Specify] | | | | **X Key informant interview [[6]](#footnote-6) (Target #):\_ \_30 \_ \_** | | | |
| **Agricultural extension officers # 4**  *Select sampling and data collection method and specify target # interviews* | **X Purposive**  □ Snowballing  □ [Other, Specify] | | | | **X Key informant interview [[7]](#footnote-7) (Target #):\_ \_ \_30 \_** | | | |
| **Target level of precision if probability sampling** | \_ \_% level of confidence | | | | \_ \_+/- % margin of error | | | |
| **Data management platform(s)** | X | IMPACT | | | □ | UNHCR | | |
|  | □ | [Other, Specify] | | | | | | |
| **Expected ouput type(s)** | □ | Situation overview #: \_ \_ | □ | Report #: \_ \_ | | | □ | Profile #: \_ \_ |
|  | □ | Presentation (Preliminary findings) #: \_ \_ | □ | Presentation (Final) #: \_ \_ | | | □ | Factsheet #: \_ \_ |
|  | □ | Interactive dashboard #:\_ | □ | Webmap #: \_ \_ | | | □ | Map #: \_ \_ |
|  | □ | [Other, Specify] #: Data Set | | | | | | |
| **Access** | □ | Public (available on REACH resource center and other humanitarian platforms) | | | | | | |
| X | Restricted (bilateral dissemination only upon agreed dissemination list, no publication on REACH or other platforms) | | | | | | |
| **Visibility** *Specify which* ***logos*** *should be on outputs* | ***REACH***NA | | | | | | | |
| ***Donor:***NA | | | | | | | |
| ***Coordination Framework:***NA | | | | | | | |
| ***Partners:***NA | | | | | | | |

# Rationale

* 1. Background [One paragraph]

The escalating COVID-19 pandemic coupled with civil strife and conflict since 2011 stressed the Libyan food systems and is putting millions of people at food insecurity risk (REACH Libya, April 2020). The crisis disrupted global trade and slowed local demand putting livelihoods of agri-food value chains’ actors and consumers at risk (Laborde, 2020). Trade restrictions from exporting countries, since the beginning of the pandemic, impacted about 31% of Libyan caloric intake (Laborde, 2020). The coronavirus emergency is a world changing event with deep impacts on Libya’s agri-food value chains that that requires adaptive and evidence-based programming.

USAID is funding FAO for establishing a monitoring system to better understand the impacts of COVID-19 and other shocks on food supply, agricultural livelihoods and food security in food crisis countries. The system consists of periodic data collection from local actors and production of an output table. As COVID-19 spreads through the country, it is anticipated that the food insecurity and the humanitarian crisis will worsen. Existing vulnerabilities in Libya’s food and agricultural value chains, combined with demand and supply shocks from the COVID-19 and security-related uncertainties, are likely to increase. REACH offers a comparative advantage due to their strong ground operation in Libya, consisting of three field offices and partnerships in all Libyan mantikas (districts) with local data collection CSOs. Reach has established their own remote enumerator teams within Libya, which were successfully used in the [2020 national Multi-Sectoral Needs Assessment (MSNA)](https://www.impact-repository.org/document/reach/7a1c4ea6/MSNA-2020-MR-LYB_2001ab_Presentation_summary-key-findings.pdf) to survey over 6000 households. REACH and FAO Libya have collaborated successfully on other assessments in the past, particularly the 2016 and 2018 Libyan MSNAs.

* 1. Intended impact [One paragraph]

With support from the United States Agency for International Development (USAID), the Food and Agriculture Organization (FAO) is implementing a project aimed at strengthening food security and agriculture information systems in Libya. The overall objective of this information system is to monitor risks to food security, food systems, and agricultural livelihoods stemming from the impacts of the COVID-19 pandemic and other crises affecting Libya. Periodic data collection and monitoring will identify emerging risk factors, highlight food insecure hotspots, reveal trends in key indicators, and provide early warning information. This information will, in turn, enable timely, evidence-based decisions on tailored actions and interventions that support vulnerable households.

# Methodology

*\*\*For detailed guidance on how to complete this section, see also Step 3 of the IMPACT Research Design Guidelines\*\**

3.1 Methodology overview [One paragraph]

The household survey sample will target 180 households at each admin 1 level (provinces of East, West, and South). Respondents will be purposively selected from a list of phone numbers of 550 agricultural households compiled by FAO Libya. Those who completed the survey in round 1 will be contacted again in round 2. For the key informant interviews, the three main actors surveyed will be food traders, agricultural input vendors, and agricultural extension officers. The KIs will be chosen from contact lists compiled from multiple agencies; REACH, WFP, FAO and CSOs. Each group will be surveyed using a separate questionnaire, with a sample target of minimum 10 and maximum 30 individuals in each of the three groups. The KI and HH data will be collected over the phone by 6 national CSOs in 10 mantikas across Libya. Furthermore, data collected will be quantitative in nature, collected in two rounds over a three month period from March to May 2021, and will be analysed to produce an output table.

* 1. Population of interest [One paragraph]

**Agricultural households** are defined broadly from households engaged in agricultural activity to larger scale farmers that rely on crop production, livestock farming and fishing as their principal form of income. **Agricultural input vendors** are described as value chain actors that sell agricultural equipment, such as machinery and seeds. **Food traders** are defined as merchants that handle domestic produce and imported goods. **Agricultural extension officers** are intermediaries between research and farmers. They operate as facilitators and communicators, helping farmers in their decision-making and ensuring that appropriate knowledge is implemented to obtain the best results with regard to sustainable production and **general rural development** (The Commonwealth Education).

* 1. Secondary data review (outline key bibliography/sources you will use and for what). [One to two paragraphs]

NA

* 1. Primary Data Collection [Detailed information]

To capitalize on cost efficiencies, facilitate data collection across a wide geographic area, and minimize COVID-19 related risks, remote data collection tools will be used. The key informant interviews will be conducted over the phone. Where phone interviews are not possible, face-to-face interviews will be used, with strict adherence to [protocols that minimize risk of COVID-19 transmission](https://www.reach-initiative.org/what-we-do/news/updates-on-ongoing-research-and-activities-linked-to-covid-19-pandemic/). The field team and enumerators located in the chosen locations will be collecting the data. The data will be collected through Kobo using tools that are already created by FAO and contextualised by REACH. The contact lists are taken from MSNA Libya 2020 contact details from households that are engaged in agricultural activity, FAO respondent lists from previous agricultural assessments and WFP Vulnerability Analysis and Mapping (VAM) data collection respondent lists. There will be four structured tools that will target the following respondents: agricultural households, food traders, agricultural extension officers and agricultural input traders (more details on respondents above), both the KIs and HHs are taken from the before mentioned lists. Enumerators will be trained in the week before data collection starts on a number of topics, such as data collection ethics, key informant interviews, HH surveys, FAO project objectives and individual tool discussions.

There will be four types of interviews:

* Agricultural household survey – to capture key information about agricultural households, their risks, vulnerabilities, and ability to adapt to current crises, impacts felt at household level, constraints to agricultural production, recent changes in production and/or income, household food insecurity (the Food Insecurity Experience Scale), and other key indicators.
* Key Informant Interviews, Food Traders – to capture any recent challenges or changes in the operation of their business, supply, or demand, credit, operating costs, prices, etc. and identify key support/assistance needed.
* Key Informant Interviews, Agricultural Input Vendors – to capture any recent challenges or changes in the operation of their business, supply, or demand, credit, operating costs, prices, etc. and identify key support/assistance needed.
* Key Informant Interviews, Agricultural Extension Officers – to capture any recent changes in agricultural activities (livestock and crops), key shocks/hazards, constraints to agricultural extension work, social tensions/conflicts, assistance programmes.

Two rounds of data collection are planned between March 2020 and June 2021, which will complement and build on the assessment conducted in mid-2020. The first is anticipated to take place in late mid-March 2021, while the second will take place in late May 2021, to align with the harvest season for several major crops.

* 1. Data Processing & Analysis [One paragraph

REACH will process and clean data sets per [Impact HQ data guidelines.](https://www.reachresourcecentre.info/wp-content/uploads/2020/03/IMPACT_Memo_Data-Cleaning-Min-Standards-Checklist_28012020-1.pdf) We will provide raw and clean data sets to FAO, along with a cleaning log. Furthermore, we will conduct data analysis on all data sets, producing output tables for all relevant indicators disaggregating by; gender, location, level of education and agricultural activity type. Comprehensive output tables should be provided in Excel format to FAO.

*\*\*For detailed guidance on how to complete this section, see also Step 5 of the IMPACT Research Design Guidelines\*\**

The proposed research design meets / does not meet the following criteria:

|  |  |  |
| --- | --- | --- |
| ***The proposed research design…*** | ***Yes/ No*** | ***Details if no (including mitigation)*** |
| … Has been coordinated with relevant stakeholders to **avoid unnecessary duplication** of data collection efforts? | Yes |  |
| … **Respects respondents, their rights and dignity** (*specifically by: seeking informed consent, designing length of survey/ discussion while being considerate of participants’ time, ensuring accurate reporting of information provided*)? | Yes |  |
| … Does not **expose data collectors to any risks as a direct result** of participation in data collection? | Yes |  |
| … Does not **expose respondents / their communities to any risks as a direct result** of participation in data collection? | Yes |  |
| … Does not involve **collecting information on specific topics which may be stressful and/ or re-traumatising** for research participants (both respondents and data collectors)? | Yes |  |
| … Does not involve **data collection with minors** i.e. anyone less than 18 years old? | Yes |  |
| … Does not involve **data collection with other vulnerable groups** e.g. persons with disabilities, victims/ survivors of protection incidents, etc.? | Yes |  |
| … Follows IMPACT SOPs for management of **personally identifiable information**? | Yes |  |

# Roles and responsibilities

Table 2: Description of roles and responsibilities

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task Description** | **Responsible** | **Accountable** | **Consulted** | **Informed** |
| Research design | *NA* | *NA* | *NA* | *NA* |
| Supervising data collection | Assessment Offier | Assessment Offier | Labour Assessment Officer | FAO |
| Data processing (checking, cleaning) | Data Base Officer | Assessment Officer | GIS Officer | FAO |
| Data analysis | Data Base Officer | Assessment Officer | GIS Officer | FAO |
| Output production | NA | NA | NA | NA |
| Dissemination | NA | NA | NA | NA |
| Monitoring & Evaluation | NA | NA | NA | NA |
| Lessons learned | NA | NA | NA | NA |

***Responsible:*** *the person(s) who executes the task*

***Accountable:*** *the person who validates the completion of the task and is accountable of the final output or milestone*

***Consulted:*** *the person(s) who must be consulted when the task is implemented*

***Informed:*** *the person(s) who need to be informed when the task is completed*

***NB: Only one person can be Accountable; the only scenario when the same person is listed twice for a task is when the same person is both Responsible and Accountable.***

# Data Analysis Plan

* *Please complete the Data Analysis Plan matrix (see full Excel file including “README” sheet for instructions) and copy the columns with grey headings as per examples below.*

Example 1: Research questions addressed structured tool(s)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Research questions** | **IN #** | **Data collection method** | **Questionnaire Question** | **Indicator / Variable** | **Questionnaire Responses** | **Data collection level** |
| NA | B02 | Telephone HH Survey | Which MAIN agricultural activities (if any) is your household involved in the last 12 months? | AgricActivityInvolved | 1)Crop production [agricultural household] 2)Livestock production [agricultural household] 3)Fisheries/aquaculture production [agricultural household] 4)None [non-agricultural household] 5)DON'T KNOW 6)REFUSED |  |
| NA | A01 | Telephone HH Survey | Currently, which (related admin1) does your household reside in? | ADM1 |  |  |
| NA | A02 | Telephone HH Survey | Currently, in which (related admin 2) does your household reside in? | ADM2 |  |  |
| NA | NA | Telephone HH Survey | THIS RESPONDENT REPORTED THEY LIVE IN: | QuotaReached | #ADM1#  East  West  South  #ADM2# Ejdabia  Al Jabal Al Akhdar  Al Kufra  Al Margeb  Al Jfara  Al Jabal Al Gharbi  Sebha  Ubari  Murzuq |  |
| NA | NA | Telephone HH Survey | What is the gender of the respondent? | RESPSex | 1)Male 2)Female 3)DON'T KNOW 4)REFUSED |  |
| NA | A12 | Telephone HH Survey | Is the head of your household male or female? | HHHSex | 1)Female 2)Male 3)DON'T KNOW 4)REFUSED |  |
| NA |  | Telephone HH Survey | What is the highest level of education achieved by the head of your household? | Wealth1 | 1) None 2) Illitterate 3) Primary 4) Secondary 5) University 6) Other (specify) 7)DON'T KNOW 8)REFUSED |  |
| NA |  | Telephone HH Survey | How many automotive vehicles does your HH own? | Wealth2 |  |  |
|  |  | Telephone HH Survey | Does your HH own a generator? | Wealth3 | 1) Yes 2) No 3) DON’T KNOW 4) REFUSED |  |
| NA |  | Telephone HH Survey | What is your household residence type? | ResType | 1) Non-displaced  2) Returnee 3) IDP 4) Migrant and Refugee 4) Other (specify) 5)DON'T KNOW 6)REFUSED |  |
| NA |  | Telephone HH Survey | What is your region of origin? | Region of origin | 1) MENA 2) East Africa 3) West and Central Africa 3) Other  4) Other (specify) 5)DON'T KNOW 6)REFUSED |  |
| 3 |  | Telephone HH Survey | What has been your household's MAIN source of income in the past 3 months? (Select Multiple) | MainIncomeSource | 1)Sale of field crops 2)Sale of orchard products 3)Sale of cash crops 4)Sale of live livestock 5)Sale of livestock products 6)Sale of fish 7)Sale of forest products 8)Agricultural daily labor wage 9)Non-agricultural daily labor wage 10)Skilled labor [artisan] petty trade 11)Self-employed 12)Remittances 13) Public Sector Salary 14) Private Sector Salary 15)Humanitarian assistance [cash for work and other forms of cash-based assistance] 16)Other forms of assistance [begging, zakat, or charity]  17)Other [specify] 18)DON'T KNOW 19)REFUSED |  |
| 3 |  | Telephone HH Survey | Has your MAIN household income changed in the past three months compared to the same period last year? Would you say it has… | MainIncomeChangeMagnitude | 1)Significantly increased [>50%] 2)Moderately increased [20 to 50%] 3)Slightly increased [5 to 20%] 4)Remained the same 5)Slightly decreased [-5 to -20%] 6)Moderately decreased [-20 to -50%] 7)Significantly decreased [> -50%] 8)DON'T KNOW 9)REFUSED |  |
| 3 |  | Telephone HH Survey | What are the MAIN reasons behind the DECREASE in your household's income in year 2020? (If decreased) | IncomeDecreaseReason | 1)Sickness or death of household member[s] 2)Lost employment 3)Income losses 4)COVID-19 restriction measures 5)Increased prices of food commodities 6)Increased prices of agricultural inputs 7)Higher production costs 8)Sudden reduction in access to credit 9)Difficulties to reach markets 10)Increased cost of transport 11)Increased cost of fuel 12)Insecurity or conflict 13)Other [specify] 14)DON'T KNOW 15)REFUSED |  |
| 5 |  | Telephone HH Survey | Over the past 3 months, did your household receive any remittances from relatives living inside or outside the country? | RemittanceReceived | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 5 |  | Telephone HH Survey | Have the level of remittances that your household received during the past three months changed compared to same period last year? | RemittanceMagnitude | 1)Significantly increased [> 50%] 2)Moderately increased [20 to 50%] 3)Slightly increased [5 to 20%] 4)No change 5)Slightly decreased [-5 to -20%] 6)Moderately decreased [-20 to -50%] 7)Significantly decreased [> -50%] 8)DON'T KNOW 9)REFUSED |  |
| 5 |  | Telephone HH Survey | Has your household faced any additional shock in in the last 3 months? | AdditionalShock | 1)Yes 2)No 3)DON'T KNOW 4)REFUSED |  |
| 5 |  | Telephone HH Survey | What were the MAIN additional shocks that your household experienced over the past three months? (Select multiple) | WhatAdditionalShock | 1)Sickness or death of household member[s] 2)Lost employment 3)Income losses 4)COVID-19 restriction measures 5)Increased prices of food commodities 6)Increased prices of agricultural inputs 7)Reduction in own production 8)Higher production costs (electricity, fuel, water, etc.) 9)Sudden reduction in access to credit 10)Difficulties to reach markets 11)Increased cost of transport 12)Drought 13) Flood 14)Other natural hazards [storm / hurricane / landslide / etc.] 15)Insecurity or conflict 16)Other [specify] 17)DON'T KNOW 18)REFUSED |  |
| 2 | C10A | Telephone HH Survey | Has your household been growing any crop during the (...name the related crop season of interest)/last 3 months? | GrowingCropNow | 1)Yes 2)No 3)DON'T KNOW 4)REFUSED |  |
| 2 | C10B | Telephone HH Survey | Why has your household not been able to grow in (...name the related crop season of interest)/ last 3 months? (If no, from above) | WhyNotGrowingCrop | 1)Seasonality/I don't normally have crops planted during this season 2)Weather conditions [drought or floods] 3)Pests [locusts or fall armyworm or etc] 4)Lack of seeds or fertilizer or tools 5)Seeds or fertilizer or tools are too expensive 6)Lack of credit 7)No access to land 8)Lack of labor 9)Labor too expensive 10)Erosion or poor soil quality 11)Insecurity 12)Engaged in other productive or employment activities 13)Low demand or few people are buying products 14)Lack of transportation to market to sell 15)Markets are closed 16)Prices offered for the cash crops are too low 17)Storage challenges 18)Disruption of irrigation infrastructure 19)Other [specify] 20)DON'T KNOW 21)REFUSED |  |
| 2 | D01 | Telephone HH Survey | What is the MAIN crop that your household is growing in the (...name the related crop season of interest)/ last 3 months? | MainCrop | 1) Barley 2) Wheat 3) Onions 4) Tomatoes 5) Peppers 6) Potatoes 7) Beans 8) Clover 9) Alfalfa  10) Chifoon 11) Watermelon 12) Fodder 13) Corn 14) Dates 15) Olives 16) Grapes 17) Figs 18) Citrus 20) Other Cash Crop [Tobacco / Banana / Cotton / Sugarcane / etc.] 21) Other Vegetables [ Lettuce / Amaranth / etc.] 22) Other Fruits [Dessert banana / Guava / etc.] 23) Other Roots and tubers [Sweet Potato / Cassava / etc.] 24) Other Legumes  25) Other [specify] 26) DON'T KNOW 22) REFUSED |  |
| 2 | D04 | Telephone HH Survey | During the (...name the related crop season of interest)/last 3 months how does the size of the area planted with the #MainCrop# compare to the same time last year? | AreaPlantedChange | 1)Significantly increased [> 50%] 2)Moderately increased [20 to 50%] 3)Slightly increased [5 to 20%] 4)No change 5)Slightly decreased [-5 to -20%] 6)Moderately decreased [-20 to -50%] 7)Significantly decreased [> -50%] 8)DON'T KNOW 9)REFUSED |  |
| 2 | D05 | Telephone HH Survey | Why has your household planted a smaller areas with the #MainCrop# in the (...name the related crop season of interest)/ last 3 months? (If decrease, from question above) | AreaDecreaseReason | 1)Dryspell or drought 2)Heavy rains or floods 3)Pests [locusts/fall armyworm/etc] 4)Lack of seeds  5) Lack of fertilizer or  6) Lack of agricultural tools and machineries 7)Agricultural inputs too expensive 8)Lack of credit 9)No access to land 10)Lack of labor 11)Labor too expensive 12)Erosion or poor soil quality 13)Insecurity 14)Engaged in other productive or employment activities 15)Low demand or few people are buying products 16)Lack of transportation to market the product 17)Markets are closed 18)Prices offered for crops are too low 19)Storage challenges 20)Disruption of irrigation infrastructure 21)Other [specify] 22)DON'T KNOW 23)REFUSED |  |
| 5 | D06 | Telephone HH Survey | Has your household faced any difficulty in the (...name the related crop season of interest)/last 3 months with crop production? | CropProductionDifficulty | 1)Yes 2)No 3)DON'T KNOW 4)REFUSED |  |
| 5 | D07 | Telephone HH Survey | What have been your household's MOST important difficulties with crop production during the (...name the related crop season of interest)/last 3 months? | CropDifficultyFaced | 1)Dryspell or drought 2)Heavy rains or floods 3)Hail or storms or strong winds 4)Outbreak of pests or diseases 5)Difficulties to access seeds 6)Difficulties to access fertilizers  7) Difficulties to access pesticides 8)Increased prices of agricultural inputs 9)Limited labor availability 10)Labor too expensive 11)No access to land 12)Limited access to irrigation 13)Limited access to markets 14)Limited access to shops 15)Increased costs of production (water, electricity, fuel, etc.) 16)Difficulties related to COVID-19 pandemic 17)Storage challenges 18)Insecurity 19)Lack of transportation to market the products 20)Markets are closed 21)Disruption of irrigation infrastructure 22)Low demand or few people are buying products 23)Prices offered for crops are too low 24)Other [specify] 25)DON'T KNOW 26)REFUSED |  |
| 5 | D08 | Telephone HH Survey | Which pests or diseases, if any, affected your household's crop production during the (...name the related crop season of interest)/last 3 months? | PestDisease | 1)Fall armyworms 2)Rodents 3)Other [specify  4)None 5)DON'T KNOW 6)REFUSED |  |
| 5 | D09 | Telephone HH Survey | Has your household been facing any difficulty accessing seeds in the (...name the related crop season of interest)/last 3 months? | SeedAccess | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 5 | D10 | Telephone HH Survey | What have been the MAIN difficulties accessing seeds in the (...name the related crop season of interest)/last 3 months? (Multiple choice) | SeedAccessDifficulty | 1)Seeds are not available from vendors 2)Seeds are not available from own production 3)Seeds are not available from social network [relatives / neighbours / etc.] 4)Seeds are not available from local market 5)Seed varieties usually used are not available 6)Seeds usually provided by aid or subsidies are not provided anymore 7)Prices of seeds are higher than usual 8)Household’s income is insufficient to buy seeds 9)Not able or not allowed to go to the market to buy seeds 10)Available seed is of low quality 11)Loss of own household seed stocks 12)Difficulties related to COVID-19 pandemic 13)Other [specify] 14)DON'T KNOW 15)REFUSED |  |
| 2,3 | D13 | Telephone HH Survey | Based on the current situation what do you expect your #MainCrop# household production to be this (...name the related crop season of interest)/last 3 months compared to the same time last year? Do you think it will be ... | ProductionChange | 1)Significantly higher [>50%] 2)Moderately higher [20 to 50%] 3)Slightly higher [5 to 20%] 4) The same 5)Slightly decreased [-5 to -20%] 6)Moderately decreased [-20 to -50%] 7)Significantly decreased [> -50%] 8)I am not expecting any production 9)DON'T KNOW 10)REFUSED |  |
| 3 | D14 | Telephone HH Survey | Did your household sell any of #MainCrop# production during the last 3 months? | CropSales | 1)Yes 2)No 3)DON'T KNOW 4)REFUSED |  |
| 3 | D16 | Telephone HH Survey | How would you compare the level of your household's #MainCrop# sales over the past 3 months with the same period last year? | CropSalesChange | 1)Significantly higher [>50%] 2)Moderately higher [20 to 50%] 3)Slightly higher [5 to 20%] 4)Not changed 5)Slightly lower [-5 to -20%]  6)Moderately lower [-20 to -50%] 7)Significantly lower [> -50%] 8)You are not selling 9)DON'T KNOW 10)REFUSED |  |
| 3 | D17 | Telephone HH Survey | Has your household faced any difficulties to sell your #MainCrop# household's crop production in the last 3 months? | CropSalesDifficulty | 1)Yes - significant difficulties 2)Yes - minor difficulties 3)No unusual difficulty 4)DON'T KNOW 5)REFUSED |  |
| 3 | D18 | Telephone HH Survey | What difficulties have your household faced the MOST to sell your #MainCrop# crop production in the last 3 months? | CropSalesWhatDifficulty | 1)Constrained access to market [COVID related movement restrictions] 2)Constrained access to market [conflict or insecurity] 3)Market closures 4)Limited storage capacity 5)Demand is lower than usual 6)Usual traders are not coming to buy the production anymore 7)Cost of transportation is higher than usual 8) Fuel too expensive 9)Prices are too low 10)Other [specify] 11)DON'T KNOW 12)REFUSED |  |
| 3 |  | Telephone HH Survey | How does the current price (agree on a unit of measurement - i.e. per Kg) of your household's MAIN crop related product sold compare to the same period last year? Would you say it is... | CropSalesPrice | 1)Significantly higher [>50%] 2)Moderately higher [20-50%] 3)Slightly higher [5-20%] 4)The same 5)Slightly lower [-5 to -20%]  6)Moderately lower [-20 to -50%] 7)Significantly lower [> -50%] 8) I am not selling 9)DON'T KNOW 10)REFUSED |  |
| 5 | D20 | Telephone HH Survey | Does your household need assistance for your crop production over the next 3 to 6 months? | CropNeedAssistance | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 3 | D21 | Telephone HH Survey | What are your household's GREATEST needs for assistance for crop production over the next 3 to 6 months? | CropNeedAssistType | 1) Seeds 2) Fertilizers 3) Pesticides 4) Tools 6) Access to water 7) Access to land 8) Advice from technical expert (i.e. extension officers) 9) Marketing support 10) Cash assistance 11) Loans 12) Information on safety measures to carry agricultural work in context of COVID-19 pandemic 13) Storage facilities (bags, containers, etc.) 14) Other [specify] 15) Don't know 16) Refused |  |
|  | E01 | Telephone HH Survey |  | AnimalsRaised |  |  |
| 2 | D21A | Telephone HH Survey | Is your household currently raising any animal for food and income generation? | RaisingAnimalNow | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 2 | D21B | Telephone HH Survey | Why is it that your household is not currently raising any animal for food and income generation at present? | WhyNotRaisingAnimal | 1)Loss of animals due to severe weather conditions [e.d. drought and / or flood] 2)Loss of animals due to disease[s] 3)Lack of grazing land 4)Lack of feed 5)Lack of water 6)Lack of credit 7)Lack of labour  8)Labour too expensive 9)Insecurity 10)Engaged in other productive or employment activities 11)Low demand or few people are buying products or live animals 12)Lack of transportation to market to sell 13)Markets are closed 14)Prices offered are too low 15)Storage challenges 16)Other [specify] 17)Don't know 18)Refused |  |
| 2 | E01 | Telephone HH Survey | What is the #MAIN animal# your household raised for food and income generation in the last 3 months? | AnimalsRaised | 1)Cattle 2)Goat 3)Sheep 4)Camel 5)Donkey 6)Rabbit 7)Chicken 8)Pigeon 9) Beehives 10)Other [specify] 11)Don't know 12)None 13)Refused |  |
| 2 | E03 | Telephone HH Survey | Has your household faced any difficulty in the last 3 months with livestock production? | DifficultyRaisingAnimals | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 2 | E04 | Telephone HH Survey | What have been your household MOST important difficulties with livestock production during the last three months? | WhatDifficultyAnimals | 1)Difficulty to access feed 2)Constrained access to pasture 3)Constrained access to water 4)Difficulty to access veterinary services 5)Difficulty to access veterinary inputs 6)Livestock diseases 7)Livestock theft or insecurity 8)Poor access to livestock market 9)Low livestock or livestock products prices 10)Lack of credit 11)Lack of labor 12) Lack of storage capacities 13) Lack of transport 14)Difficulties related to the COVID-19 pandemic 15)Other [specify] 16)DON'T KNOW 17)REFUSED |  |
| 6 | E7 | Telephone HH Survey | Why does your household have difficulty to access feed for your animals over the past three months? | DifficultyAccessFeed | 1)Prices higher than usual 2)Not available from usual vendor 3)Not able to access market to purchase 4)Income insufficient / unable to get credit to purchase 5) COVID-19 related movement restrictions  6)Other 7)DON'T KNOW 8)REFUSED |  |
| 6 | E07 | Telephone HH Survey | Why has your household been facing difficulties to access veterinary services over the past three months? | DifficultyAccessVetSer | 1)Prices higher than usual 2)Not available from usual vendor 3)Not able to access market to purchase 4)Income insufficient / unable to get credit to purchase 5) COVID-19 related movement restrictions  6)Other (please specify) 7)DON'T KNOW 8)REFUSED |  |
| 5 |  | Telephone HH Survey | Why has your household been facing difficulties to access veterinary inputs over the past three months? | DifficultyAccessVetInp | 1)Prices higher than usual 2)Not available from usual vendor 3)Not able to access market to purchase 4)Income insufficient / unable to get credit to purchase 5) COVID-19 related movement restrictions  6)Other 7)DON'T KNOW 8)REFUSED |  |
| 3 | E09 | Telephone HH Survey | Has the number of your household's MAIN #AnimalsRaised# CHANGED in the last 3 months compared to the same period last year? | AnimalNum | 1)Yes 2)No 3)DON'T KNOW 4)REFUSED |  |
| 3 | E09 | Telephone HH Survey | How does the current number of the MAIN #AnimalsRaised# in your household compares to the same period last year? | AnimalNumComparison | 1)Significantly increased [> 50%] 2)Moderately increased [20 to 50%] 3)Slightly increased [5 to 20%] 4)Slightly decreased [-5 to -20%] 5)Moderately decreased [-20 to -50%] 6)Significantly decreased [> -50%] 7)DON'T KNOW 8)REFUSED |  |
| 3 | E10 | Telephone HH Survey | Why does your household have fewer of the MAIN #AnimalsRaised# now compared to the same period last year? | ReasonAnimalLess | 1)Higher mortality due to lack of veterinary services 2)Higher mortality due to pest and disease 3)Higher mortality due to drought 4)Higher mortality due to flood 5)Slaughtered due to special events 6)Slaughtered to feed the family 7)Animals were stolen 8)Better sales than usual 9)Distress sales for urgent cash needed 10)Sold animals because unable to feed them 11)Because of COVID-19 related issues 12)Other [specify] 13)DON'T KNOW 14)REFUSED |  |
| 3 | E11 | Telephone HH Survey | Did your household sell any of your MAIN live #AnimalsRaised# and/or related animal products during the last 3 months? | AnimalSales | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 3 | E12 | Telephone HH Survey | How would you compare the level of your MAIN live #AnimalsRaised# and/or related animal products sales over the past three months with the same period last year? | AnimalSalesComparison | 1)Significantly increased [>50%] 2)Moderately increased [20-50%] 3)Slightly increased [5-20%] 4)Not changed 5)Slightly decreased [5-20%]  6)Moderately decreased [20-50%] 7)Significantly decreased [>50%] 8)DON'T KNOW 10)REFUSED |  |
| 3 | E14 | Telephone HH Survey | Has your household faced any difficulties to sell MAIN live #AnimalsRaised# and/or related animal products in the last 3 months? | AnimalSalesDifficulty | 1)Yes - significant difficulties 2)Yes - minor difficulties 3)No unusual difficulty 4)DON'T KNOW 5)REFUSED |  |
| 3 | E15 | Telephone HH Survey | What difficulties has your household faced the MOST to sell your MAIN live #AnimalsRaised# and/or related animal product in the last 3 months? | AnimalSalesWhatDifficulty | 1)Constrained access to market [COVID-19 -related movement restrictions] 2)Constrained access to market [conflict or insecurity] 3)Market closures 4)Limited storage capacity 5)Demand is lower than usual 6)Usual traders are not coming to buy the production anymore 7)Cost of transportation is higher than usual 8) Fuel too expensive 9)Prices are too low 10)Other [specify] 11)DON'T KNOW 12)REFUSED |  |
| 3 |  | Telephone HH Survey | How does the current price of your household's MAIN live #AnimalsRaised# and/or related animal product sold compare to the same period last year? Would you say it is... | AnimalSalesPrice | 1)Significantly higher [>50%] 2)Moderately higher [20-50%] 3)Slightly higher [5-20%] 4)The same 5)Slightly lower [-5 to -20%]  6)Moderately lower [-20 to -50%] 7)Significantly lower [> -50%] 8) I am not selling 9)DON'T KNOW 10)REFUSED |  |
| 6 | E17 | Telephone HH Survey | Does your household need assistance for your livestock production over the next 3 to 6 months? | AnimalNeedAssistance | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 6 | E18 | Telephone HH Survey | What is your GREATEST need for assistance for your household's livestock production over the next 3-6 months? | AnimalNeedAssistType | 1)Animal feed 2)Access to water 3)Veterinary services 4)Veterinary inputs  5)Destocking 6) Restocking 7)Marketing support 8) Storage facilities (e.g. cold chains for milk, etc.) 9)Cash assistance 10)Loans 11)Information on safety measures to carry livestock work in the context of COVID-19 pandemic 12)Other [specify] 13)DON'T KNOW 14)REFUSED |  |
|  | F01 | Telephone HH Survey |  | DifficultyFish |  |  |
| 2 | F01A | Telephone HH Survey | What type of fishing activity does your household generally practice? | TypeFishing | 1)Coastal Fishing 2)Open sea fishing 3)Fishing in lakes / ponds and rivers 4)Aquaculture 5)DON'T KNOW 6)REFUSED |  |
| 2 | F01B | Telephone HH Survey | Was your household involved in any of the fishing activity mentioned above in the last 3 months? | FishingNow | 1)Yes 2)No 3)DON'T KNOW 4)REFUSED |  |
| 2 | F01C | Telephone HH Survey | Why was your household not involved in any the fishing activity mentioned above in the last 3 months? | WhyNotFishingNow | 1)Fish are more difficult to find  2)Concerns and restrictions related to COVID-19 pandemic 3)Lack fuel 4)High price of fuel 5)Lack of fishing material and/or inputs 6)High prices of fishing material and/or inputs 7)Lack of labour  8)High cost of labour 9) Off-season (no fishing allowed) 9)Other [specify] 10)DON'T KNOW 11)REFUSED |  |
| 3 | F01 | Telephone HH Survey | Has your household faced any difficulties in your fishing and/or aquaculture activities in the last 3 months? | DifficultyFish | 1)Yes - significant difficulty 2)Yes - minor difficulty 3)Not unusual difficulty 4)DON'T KNOW 5)REFUSED |  |
| 3 | F02 | Telephone HH Survey | What have been the MAIN difficulties that your household has faced with fisheries/ aquaculture activities in the last 3 months? | WhatDifficultyFish | 1) Fish are more difficult to find  2) Concerns and restrictions related to COVID-19 3) Lack fuel 4) High price of fuel 5) Lack of fishing material and/or inputs 6) High prices of fishing material and/or inputs 7) Lack of labour  8) High cost of labour 9) No demand for fish/ fish products 10) Lack of storage capacity 11) Lack of processing capacities 12) Other (specify)1 3) DON'T KNOW/REFUSED |  |
| 6 | F03 | Telephone HH Survey | Which fishing material or input has your household been having difficulties to access in the last 3 months? | DifficultyFishInput | 1)Bait 2)Gear 3)Ice 4)Fuel 5)Boat repairs 6)Other [specify] 7)DON'T KNOW 8)REFUSED |  |
| 3 | F05 | Telephone HH Survey | Did you sell any of your household's #MainFish# product during the last 3 months? | FishSales | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 2 |  | Telephone HH Survey | What is the #MainFish# product that your household has been selling during the past 3 months? | FishSalesMAINproduct | 1) Fresh fish (any kind) 2) Dry fish (any kind) 3) Sea food (any kind) 4) Other (specify) 5) REFUSED |  |
| 3 | F06 | Telephone HH Survey | Has the level of your household's #MainFish# product sales over the last 3 months CHANGED compared to the same period last year? | FishSalesComparison | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 3 | F07 | Telephone HH Survey | Can you kindly indicate how the level of your household's #MainFish# product sales CHANGED compared to the same period last year over the last 3 months? | FishSalesChange | 1)Significantly increased [> 50%] 2)Moderately increased [20 to 50%] 3)Slightly increased [5 to 20%] 4)Slightly decreased [-5 to 20%] 5)Moderately decreased [-20 to -50%] 6)Significantly decreased [> -50%] 7)DON'T KNOW 8)REFUSED |  |
| 3 | F08 | Telephone HH Survey | Has your household faced any difficulties to sell the #MainFish# product products in the last 3 months? | FishSalesDifficulty | 1)Yes - significant difficulties 2)Yes - minor difficulties 3)No unusual difficulty 4)DON'T KNOW 5)REFUSED |  |
| 6 | F09 | Telephone HH Survey | What difficulties has your household faced the MOST to sell the #MainFish# product in the last 3 months? | FishSalesWhatDifficulty | 1)Constrained access to market [lack of transport] 2)Constrained access to market [conflict or insecurity] 3)Market closures 4)Limited storage capacity 5)Demand is lower than usual 6)Usual traders are not coming to buy the production anymore 7)Cost of transportation is higher than usual 8)Prices are too low 9)Difficulties related to the COVID-19 pandemic [i.e. movement restrictions] 10)Other [specify] 11)DON'T KNOW1 12)REFUSED |  |
| 3 |  | Telephone HH Survey | How does the current price of your household's #MainFish# product sold compare to the same period last year? Would you say it is... | AnimalSalesPrice | 1)Significantly higher [>50%] 2)Moderately higher [20-50%] 3)Slightly higher [5-20%] 4)The same 5)Slightly lower [-5 to -20%]  6)Moderately lower [-20 to -50%] 7)Significantly lower [> -50%] 8) I am not selling 9)DON'T KNOW 10)REFUSED |  |
| 6 | F11 | Telephone HH Survey | Does your household need assistance for your fisheries production over the next 3 to 6 months? | FishNeedAssistance | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 6 | F12 | Telephone HH Survey | What are your GREATEST needs for assistance for your household's fisheries production over the next 3 to 6 months? | FishNeedAssistType | 1)Fishing gears 2)Bait 3)Boats 4)Conservation material [ice / containers / refrigerators / etc.] 5)Fisheries expert advice 6)Marketing support 7)Cash assistance 8)Loans 9)Information on safety measures to carryout fisheries work in context of Covid pandemic 10) Storage facilities (e.g. refrigerators, etc.) 11)Other [specify]1 2)DON'T KNOW1 3)REFUSED |  |
|  | H05 | Telephone HH Survey |  | FIESSkipMeal |  |  |
| 2 | H01 | Telephone HH Survey | Now I would like to ask you some questions about food consumption, food utilization and coping mechanisms. There will be three main sets of questions. This is the first set of questions. | FIES | 1)NEXT |  |
| 1,2 | H02 | Telephone HH Survey | During the last 30 days, was there a time when you or others in your household were worried about not having enough food to eat because of lack of money or other resources? | FIESInadequateFood | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | H03 | Telephone HH Survey | During the last 30 days, was there a time when you or others in your household were unable to eat healthy and nutritious food because of lack of money or other resources? | FIESNoHealthyFood | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | H04 | Telephone HH Survey | During the last 30 days, was there a time when you or others in your household ate only a few kinds of foods because of lack of money or other resources? | FIESLimitFoodKinds | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | H05 | Telephone HH Survey | During the last 30 days, was there a time when you or others in your household had to skip a meal because of lack of money or other resources to get food? | FIESSkipMeal | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | H06 | Telephone HH Survey | During the last 30 days, was there a time when you or others in your household ate less than you thought you should because of lack of money or other resources? | FIESEatLess | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | H07 | Telephone HH Survey | During the last 30 days, was there a time when you or others in your household ran out of food because of lack of money or other resources? | FIESExhaustFood | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | H07A | Telephone HH Survey | How often did this happen in the past 30 days? | FIESExhaustFoodFrequency | 1)Rarely (1 or 2 times) 2)Sometimes (3 to 10 times) 3)Often (more than 10 times) 4)DON'T KNOW 5)REFUSED |  |
| 1,2 | H08 | Telephone HH Survey | During the last 30 days, was there a time when you or others in your household were hungry but did not eat because there was not enough money or other resources for food? | FIESHungryNoFood | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | H08A | Telephone HH Survey | How often did this happen in the past 30 days? | FIESHungryNoFoodFrequency | 1)Rarely (1 or 2 times) 2)Sometimes (3 to 10 times) 3)Often (more than 10 times) 4)DON'T KNOW 5)REFUSED |  |
| 1,2 | H09 | Telephone HH Survey | During the last 30 days, was there a time when you or others in your household went without eating for a whole day because of lack of money or other resources? | FIESStayHungry | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | H09A | Telephone HH Survey | How often did this happen in the past 30 days? | FIESStayHungryFrequency | 1)Rarely (1 or 2 times) 2)Sometimes (3 to 10 times) 3)Often (more than 10 times) 4)DON'T KNOW 5)REFUSED |  |
| 1,2 | NA | Telephone HH Survey | Now I would like to ask you about actions your household may have taken in the last 30 days due to a lack of food or lack of money to buy food. | CopingStrategiesIntro | 1)NEXT |  |
| 1,2 | I02 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to spend savings because of lack of food or money? | SpentSavings | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | I03 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to sell more animals (nonproductive)than usual because of lack of food or money? | SoldMoreAnimals | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | I04 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to purchase food on credit or borrowed food because of lack of food or money? | PurchasedFoodCredit | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | I05 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to send household members to eat elsewhere because of lack of food or money? | SentHHMembers | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | I06 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to sell productive assets (female animals, sewing machines, farming equipment)because of lack of food or money? | SoldProdAssets | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | I07 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to eat seeds that would otherwise have been kept for planting because of lack of food or money? | EatPlantingSeeds | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | I08 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to decrease expenditures on inputs (e.g., fertilizer, veterinary care)because of lack of food or money? | DecreasedExpInputs | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | I09 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to migrate with entire household because of lack of food or money? | MigrateHousehold | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | I10 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to sell their house or land because of lack of food or money? | SellHouseLand | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | I11 | Telephone HH Survey | Over the past 30 days, did anyone in your household have to beg because of lack of food or money? | Begging | 1)Yes 2)No - because it wasn’t necessary 3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it 4)Not applicable |  |
| 1,2 | NA | Telephone HH Survey | Now I would like to ask you about foods consumed by your household yesterday during the day and night (last 24 hours), whether at home or outside the home. | HDSS | 1)NEXT |  |
| 1,2 | I12 | Telephone HH Survey | Has any household member consumed cereals (sorghum, millet, corn, wheat, rice, spaghetti, bread or insert any other locally available grain) in the last 7 days (breakfast, lunch, dinner and snacks)? | Cereals | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I13 | Telephone HH Survey | Has any household member consumed roots and tubers (white sweet potato, potato, yam, cassava or other tubers) in the last 7 days (breakfast, lunch, dinner and snacks)? | RootsTubers | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I14 | Telephone HH Survey | Has any household member consumed vegetables (all) in the last 7 days (breakfast, lunch, dinner and snacks)? | Vegetables | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I15 | Telephone HH Survey | Has any household member consumed fruits (all) in the last 7 days (breakfast, lunch, dinner and snacks)? | Fruits | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I16 | Telephone HH Survey | Has any household member consumed meat (beef, pork, lamb, goat, rabbit, wild game, chicken, duck or other birds, liver, kidney, heart, or other organ meats) in the last 7 days (breakfast, lunch, dinner and snacks)? | Meat | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I17 | Telephone HH Survey | Has any household member consumed eggs in the last 7 days (breakfast, lunch, dinner and snacks)? | Eggs | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I18 | Telephone HH Survey | Has any household member consumed fish or shellfish (fresh or dried fish, other seafood) in the last 7 days (breakfast, lunch, dinner and snacks)? | Fish | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I19 | Telephone HH Survey | Has any household member consumed legumes and nuts (beans, peas, peanut, lentils, almond, and/or other nuts) in the last 7 days (breakfast, lunch, dinner and snacks)? | Legumes | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I20 | Telephone HH Survey | Has any household member consumed milk and other dairy products (fresh milk, sour, yogurt, cheese, other dairy products) in the last 7 days (breakfast, lunch, dinner and snacks)? | MilkDairy | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I21 | Oils | Has any household member consumed oil, fat, butter (cooking, butter, margarine, fat/oil, other oil) in the last 7 days (breakfast, lunch, dinner and snacks)? | Oils | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I22 | Sugar | Has any household member consumed sugar or sugary products (honey, jam, donuts, candy, biscuits, pastries, cakes and other sweet products) in the last 7 days (breakfast, lunch, dinner and snacks)? | Sugar | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | I23 | Condiments | Has any household member consumed condiments (cocoa, salt, garlic, spices, yeast or baking powder, tomato or tomato sauce, meat or fish as a condiment), coffee, tea in the last 7 days (breakfast, lunch, dinner and snacks)? | Condiments | 1)YES 2)NO 3)DON'T KNOW 4)REFUSED |  |
| 1,2 | B02 | AgricActivityInvolved | Which MAIN agricultural activities (if any) is your household involved in the last 12 months? | AgricActivityInvolved | 1)Crop production [agricultural household] 2)Livestock production [agricultural household] 3)Fisheries/aquaculture production [agricultural household] 4)None [non-agricultural household] 5)DON'T KNOW 6)REFUSED |  |

agricultural extension officer

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Research questions** | **IN #** | **Data collection method** | **Indicator / Variable** | **Questionnaire Question** | **Questionnaire Responses** | **Data collection level** |
| 2 | QA6d | KI Phone Interview |  | A6.d. What is the geographical coverage/scope of your extension work? | Text | Individual Level |
| 2 | QA7a | KI Phone Interview |  | A7a. What is the name of the office/ministry you work in? | Text | Individual Level |
| 2 | QA7b | KI Phone Interview |  | A7b. What is your official title in the MAI Agriculture Office? | Text | Individual Level |
| 2 | QA7 | KI Phone Interview |  | A7. In which technical field(s) do you work? | Text | Individual Level |
| 2 | QC1 | KI Phone Interview |  | C1. Are there confirmed or suspected COVID-19 cases in your area? | Y/A | Individual Level |
| 2 |  | KI Phone Interview |  |  |  | Individual Level |
| 2 | B | KI Phone Interview |  | B. LIVELIHOODS, INCOME SOURCES & COVID-19 SITUATION |  | Individual Level |
| 2 | QB1\_repeat | KI Phone Interview |  |  |  | Individual Level |
| 2 | QB1 | KI Phone Interview |  | B1a. Which activities (namely, crop/livestock/fisheries/other) are households in your catchment area usually involved in at this time of the year? | Cereal production  Horticulture production  Plants protection  Livestock production  Veterinary  Fisheries  Don't know  Refused  Other | Individual Level |
| 2 | QB1\_percent | KI Phone Interview |  | B1b. Approximately what proportion (%) of households in your catchment area are involved in these activities? | % | Individual Level |
| 2 |  | KI Phone Interview |  |  |  | Individual Level |
| 2 | QB1\_total | KI Phone Interview |  |  |  | Individual Level |
| 2 | QB2a | KI Phone Interview |  | B2a. What is usually the main source of income in the area at this time of the year? | Sale of field crops  Sale of orchard horticulture  Sale of cash crops  Sale of livestock and livestock products  Sale of fish  Sale of forest products  Agricultural wage labour  Non-agricultural wage labour  Skilled labour [artisan]  Petty trade  Self-employed  Remittances  Salary  Humanitarian assistance [cash for work and other forms of cash-based assistance]  Other forms of assistance [begging / charity]  Other (please specify)  Don't know  Refused | Individual Level |
| 2 | QB2aother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QB2b | KI Phone Interview |  | B2b. What is usually the second main source of income in the area at this time of the year? | “” | Individual Level |
| 2 | QB2bother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QB2c | KI Phone Interview |  | B2c. What is usually the third main source of income in the area at this time of the year? | “” | Individual Level |
| 2 | QB2cother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QC2 | KI Phone Interview |  | C2. Are there any restrictions in place in your area to contain COVID-19? | Yes/No | Individual Level |
| 2 | QC2a | KI Phone Interview |  | C2a. If yes, what are they? | Curfew  Movement restrictions (movement still allowed under some conditions)  Food markets closed  Agricultural input markets closed  Shops closed  Markets functioning partially  Social activities forbidden  Labour forbidden  Technical extensions services suspended  Veterinary services closed  Abattoirs closed  Don't know  Refused  Other | Individual Level |
| 2 | QC2b | KI Phone Interview |  | C2b. If other, please specify? |  | Individual Level |
| 2 | QC2c | KI Phone Interview |  | C2b. If yes, what is the % of baladiyas where the restrictions are being enforced? | % | Individual Level |
| 2 | QC3 | KI Phone Interview |  | C3. Has your work been disrupted by the COVID-19 pandemic? | Y/N | Individual Level |
| 2 | QC3a | KI Phone Interview |  | C3a. If yes, were you able to adapt and provide some support to farmers (e.g. remotely by phone)? | Y/N | Individual Level |
|  | QC3b | KI Phone Interview |  | C3b. Specify how? | Text | Individual Level |
| 2 | D | KI Phone Interview |  | D. CROP PRODUCTION |  | Individual Level |
| 2 | QD1a | KI Phone Interview |  | D1a. What is currently the MOST IMPORTANT crop cultivated in the area in this season? | Barley  Wheat  Onions  Tomatoes  Peppers  Potatoes  Beans  Parsley  Celery  Melons  Watermelon  Fodder  Corn  Dates  Olives  Grapes  Figs  Citrus (oranges and lemons,etc)  Other Cash Crop [Tobacco / tea / Cotton / Sugarcane / etc.]  Other Vegetables [ Lettuce / Anis / etc.]  Other Fruits [Strawberry/banana / Apples / Peaches/ Apricots etc.]  Other Roots and tubers [Carrots /Radishes / Turnips/ etc.]  Other Legumes  Other [specify]  DON'T KNOW  REFUSED | Individual Level |
| 2 | QD1aother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QD1b | KI Phone Interview |  | D1b. What is currently the SECOND MOST IMPORTANT crop cultivated in the area in this season? | Barley  Wheat  Onions  Tomatoes  Peppers  Potatoes  Beans  Parsley  Celery  Melons  Watermelon  Fodder  Corn  Dates  Olives  Grapes  Figs  Citrus (oranges and lemons,etc)  Other Cash Crop [Tobacco / tea / Cotton / Sugarcane / etc.]  Other Vegetables [ Lettuce / Anis / etc.]  Other Fruits [Strawberry/banana / Apples / Peaches/ Apricots etc.]  Other Roots and tubers [Carrots /Radishes / Turnips/ etc.]  Other Legumes  Other [specify]  DON'T KNOW  REFUSED | Individual Level |
| 2 | QD1bother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QD1c | KI Phone Interview |  | D1c. What is currently the THIRD MOST IMPORTANT crop cultivated in the area in this season? | Barley  Wheat  Onions  Tomatoes  Peppers  Potatoes  Beans  Parsley  Celery  Melons  Watermelon  Fodder  Corn  Dates  Olives  Grapes  Figs  Citrus (oranges and lemons,etc)  Other Cash Crop [Tobacco / tea / Cotton / Sugarcane / etc.]  Other Vegetables [ Lettuce / Anis / etc.]  Other Fruits [Strawberry/banana / Apples / Peaches/ Apricots etc.]  Other Roots and tubers [Carrots /Radishes / Turnips/ etc.]  Other Legumes  Other [specify]  DON'T KNOW  REFUSED | Individual Level |
| 2 | QD1cother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QD2 | KI Phone Interview |  | D2. For the main crop cultivated, do you expect a change in production this season compared to the same time last year? | Yes - I expect an increase in production  YES, I expect a decrease in production  NO, I expect the same level of production  DON'T KNOW  REFUSED | Individual Level |
| 2 | QD2a | KI Phone Interview |  | D2a. If you expect a decrease, by how much in proportion to a normal year? | Less than 10%  10 to 25%  25 to 50%  More than 50%  Don't know  Refused | Individual Level |
| 2 | QD3 | KI Phone Interview |  | D3. Are there particular shocks affecting crop production this season compared to normal? (e.g. dryspell, crop pests, insufficient labour, etc.) | Dry spell / drought  Heavy rains / Flooding  Hail, storms, strong winds  Locusts  Other crop pests (fall armyworm, etc.)  Crop diseases  Difficulty to access seeds due to low availability or no credit  Difficulty to access seeds due to high prices  Difficulty to access other crop inputs (fertilizers, tools, pesticides) due to low availability, or no credit  Difficulty to access other crop inputs (fertilizers, tools, pesticides) due to high prices  Difficulty to access physical Libyan dinars  Difficulty to access foreign currency  Insecurity/ conflict  Labour not available  Labour too expensive  Fuel too expensive  Power cuts  Lack of access to land  Health (surge in number of people being sick)  Lack of perspective on possibility to sell products or prices  Other  Don't know  Refused | Individual Level |
| 2 | QD3a | KI Phone Interview |  | D3a. What is the MOST IMPORTANT shock affecting crop production this season compared to normal? | Dry spell / drought  Heavy rains / Flooding  Hail, storms, strong winds  Locusts  Other crop pests (fall armyworm, etc.)  Crop diseases  Difficulty to access seeds due to low availability or no credit  Difficulty to access seeds due to high prices  Difficulty to access other crop inputs (fertilizers, tools, pesticides) due to low availability, or no credit  Difficulty to access other crop inputs (fertilizers, tools, pesticides) due to high prices  Difficulty to access physical Libyan dinars  Difficulty to access foreign currency  Insecurity/ conflict  Labour not available  Labour too expensive  Fuel too expensive  Power cuts  Lack of access to land  Health (surge in number of people being sick)  Lack of perspective on possibility to sell products or prices  Other  Don't know  Refused | Individual Level |
| 2 | QD3aother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QD3b | KI Phone Interview |  | D3b. What is the SECOND MOST IMPORTANT shock affecting crop production this season compared to normal? | Dry spell / drought  Heavy rains / Flooding  Hail, storms, strong winds  Locusts  Other crop pests (fall armyworm, etc.)  Crop diseases  Difficulty to access seeds due to low availability or no credit  Difficulty to access seeds due to high prices  Difficulty to access other crop inputs (fertilizers, tools, pesticides) due to low availability, or no credit  Difficulty to access other crop inputs (fertilizers, tools, pesticides) due to high prices  Difficulty to access physical Libyan dinars  Difficulty to access foreign currency  Insecurity/ conflict  Labour not available  Labour too expensive  Fuel too expensive  Power cuts  Lack of access to land  Health (surge in number of people being sick)  Lack of perspective on possibility to sell products or prices  Other  Don't know  Refused | Individual Level |
| 2 | QD3bother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QD3c | KI Phone Interview |  | D3c. What is the THIRD MOST IMPORTANT shock affecting crop production this season compared to normal? | Dry spell / drought  Heavy rains / Flooding  Hail, storms, strong winds  Locusts  Other crop pests (fall armyworm, etc.)  Crop diseases  Difficulty to access seeds due to low availability or no credit  Difficulty to access seeds due to high prices  Difficulty to access other crop inputs (fertilizers, tools, pesticides) due to low availability, or no credit  Difficulty to access other crop inputs (fertilizers, tools, pesticides) due to high prices  Difficulty to access physical Libyan dinars  Difficulty to access foreign currency  Insecurity/ conflict  Labour not available  Labour too expensive  Fuel too expensive  Power cuts  Lack of access to land  Health (surge in number of people being sick)  Lack of perspective on possibility to sell products or prices  Other  Don't know  Refused | Individual Level |
| 2 | QD3cother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QD4 | KI Phone Interview |  | D4. Are farmers having particular issues to access seeds for the current or upcoming planting season in relation to COVID-19 ? | Y/N | Individual Level |
| 2 | QD4a | KI Phone Interview |  | D4.a. How do they cope ? | Purchase of low quality seeds  Borrow seeds from other farmers  Late sowing  Reduced planted area  Don't know  Refused  Other | Individual Level |
| 2 | QD5 | KI Phone Interview |  | D5. Are farm gate prices for your main crop different than usual, and how so? | Significantly higher [>50%]  Moderately higher [20-50%]  Slightly higher [5-20%]  No change  Slightly lower [-5 to -20%]  Moderately lower [-20 to -50%]  Significantly lower [> -50%]  Don't know  Refused | Individual Level |
| 2 | QD6 | KI Phone Interview |  | D6. Is wage labour still available? | Y/N | Individual Level |
| 2 | QD6a | KI Phone Interview |  | D6a. Are the wage rates the same as usual? | Y/N | Individual Level |
| 2 | QD7a | KI Phone Interview |  | D7a. What is the most urgent need for the next three months to support crop production? | Text | Individual Level |
| 2 | QD7b | KI Phone Interview |  | D7b. What is the second most urgent need for the next three months to support crop production? | Text | Individual Level |
| 2 | QD7c | KI Phone Interview |  | D7c. What is the third most urgent need for the next three months to support crop production? | Text | Individual Level |
| 2 | E | KI Phone Interview |  | E. LIVESTOCK PRODUCTION |  | Individual Level |
| 2 | QE1a | KI Phone Interview |  | E1a. What is the most important livestock animal in the area? | Cattle  Goat  Sheep  Camel  Donkey  Rabbit  Chicken  Pigeon  Beehives  Other [specify]  Don't know  None  Refused | Individual Level |
| 2 | QE1aother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QE1b | KI Phone Interview |  | E1b. What is second most important animal in the area? | “” | Individual Level |
| 2 | QE1bother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QE1c | KI Phone Interview |  | E1c. What is third most important animal in the area? | “” | Individual Level |
| 2 | QE1cother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QE2a | KI Phone Interview |  | E2a. What is the most important livestock product in the area in this season? | Meat  Eggs  Milk  Leather/wool  Other | Individual Level |
| 2 | QE2aother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QE2b | KI Phone Interview |  | E2b. What is the second most important livestock product in the area in this season? |  | Individual Level |
| 2 | QE2bother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QE2c | KI Phone Interview |  | E2c. What is the third most important livestock product in the area in this season? |  | Individual Level |
| 2 | QE2cother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QE3 | KI Phone Interview |  | E3. For the main production, do you expect a decrease this season compared to same time last year? | % | Individual Level |
| 2 | QE4 | KI Phone Interview |  | E4. By how much do you expect a decrease in production this season? | % | Individual Level |
| 2 | QE5 | KI Phone Interview |  | E5. Are producers’ prices for the main type of animal different from same time last year? | Y/N | Individual Level |
| 2 | QE6 | KI Phone Interview |  | E6. Has there been any particular shock [this season/over the past month] affecting livestock production? | Livestock disease  Livestock movement (transhumance) restricted  Lack of pasture and water  Lack of feed  Lack of regular veterinary services  Conflict or insecurity  COVID-19 epidemic  Economic disruptions (including lack of supply of inputs, difficulties to market, lack of income and economic losses)  Other  Don't know  Refused | Individual Level |
| 2 | QE6a | KI Phone Interview |  | E6a. What has been the most important shock [this season/over the past month] affecting livestock production? | “” | Individual Level |
| 2 | QE6aother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QE6b | KI Phone Interview |  | E6b. What has been the second most important shock [this season/over the past month] affecting livestock production? | “” | Individual Level |
| 2 | QE6bother | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | QE6d | KI Phone Interview |  | E6d. What livestock disease has been the most important shock [this season/over the past month] affecting livestock production? | Internal Parasite (Stripe, hematopoietic, hepatic, intestinal tract)  External Parasite (insects and Spiders)  Crew worm  P.P.R (sheep and goat pox)  Lumpy skin disease L.S.D  Don't know  Refused  Other | Individual Level |
| 2 | QE7 | KI Phone Interview |  | E7. Are you aware of unusual migration patterns (transhumant population)? | Yes, as normal  Yes, but with some disruptions  With strong disruptions  No, area fully blocked  Don't know  Refused | Individual Level |
| 2 | QE8 | KI Phone Interview |  | E8. Have households been destocking their animals over the past 3 months? (e.g. culled for household consumption, culled because of lack of feed or water, died because of disease or lack of feed or water, sold more than usual for income…) | text | Individual Level |
| 2 | QE9a | KI Phone Interview |  | E9a. What is your most urgent need for the next three months to support livestock production? | Food aid (cash, vouchers, in kind)  Seeds, tools and fertilizers aid (in kind, vouchers, cash, fairs)  Animal health intervention (vaccination, drugs)  Animal feed (in kind or vouchers)  Destocking  Provision of livestock  Awareness-raising on good practices (face-to-face, remote)  Don't know  Refused  Other (specify) | Individual Level |
| 2 | QE9b | KI Phone Interview |  | E9b. What is your second most urgent need for the next three months to support livestock production? | “” | Individual Level |
| 2 | QE9c | KI Phone Interview |  | E9c. What is your third most urgent needs for the next three months to support livestock production? | “” | Individual Level |
| 2 |  | KI Phone Interview |  |  |  | Individual Level |
| 2 | F | KI Phone Interview |  | F. MARKET |  | Individual Level |
| 2 | QF1 | KI Phone Interview |  | F1. Is the transportation of agricultural products and food commodities into and out of your area of operation still taking place? | Y/N | Individual Level |
| 2 | QF2 | KI Phone Interview |  | F2. Are farmers having issues to market their productions (crop, livestock, fisheries) at present? | Y/N | Individual Level |
| 2 | QF3 | KI Phone Interview |  | F3. Have they found alternative marketing channels? | Text | Individual Level |
| 2 |  | KI Phone Interview |  |  |  | Individual Level |
| 2 | G | KI Phone Interview |  | G. SHOCK RESPONSE AND COPING |  | Individual Level |
| 1,3 | QG1 | KI Phone Interview |  | G1. What is the level of food availability in the area (e.g. community cereal banks, main traders on the markets) compared to usual for this time of the year? | Significantly higher [>50%]  Moderately higher [20-50%]  Slightly higher [5-20%]  No change  Slightly lower [-5 to -20%]  Moderately lower [-20 to -50%]  Significantly lower [> -50%] | Individual Level |
| 6 | QG2\_1 | KI Phone Interview |  | G2a. Which type of farmers or livestock keepers has been MOST affected by COVID-19, compared to the overall farming population? | text | Individual Level |
| 6 | QG2\_1other | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 6 | QG2\_2 | KI Phone Interview |  | G2b. Which type of farmers or livestock keepers has been the SECOND MOST affected by COVID-19, compared to the overall farming population? | text | Individual Level |
| 6 | QG2\_2other | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 6 | QG2\_3 | KI Phone Interview |  | G2c. Which type of farmers or livestock keepers has been THIRD MOST affected by COVID-19, compared to the overall farming population? | text | Individual Level |
| 6 | QG2\_3other | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 6 | QG3 | KI Phone Interview |  | G3. Are the most affected farmers currently resorting to any of the following strategies that they would otherwise avoid because of lack of food or money? | Reduce essential non-food expenditures  Sell productive assets [tools / land / equipment / reproductive animals]  Send household members away in search for labour  Eat seeds that would otherwise have been kept for planting  Migrate with entire household  Accept high risk / socially degrading or exploitative temporary jobs  Send adult household members to beg  Send child household members to beg  Above normal credit or borrowing  None  Don't know  Refused | Individual Level |
| 6 |  | KI Phone Interview |  |  |  | Individual Level |
| 6 | I | KI Phone Interview |  | I. ASSISTANCE AND NEEDS |  | Individual Level |
| 6 | QI1 | KI Phone Interview |  | I1. Has there been any assistance programme (including social protection schemes) in this area before COVID-19? | Y/N | Individual Level |
| 6 | QI2 | KI Phone Interview |  | I2. If yes, has there been disruption in the provision of assistance? | |  | | --- | | Yes, significant disruption | | Yes, moderate disruption | | No | | Don't know | | Individual Level |
| 6 | QI3 | KI Phone Interview |  | I3. Has there been other new or increased assistance since the COVID-19 pandemic? | Y/N | Individual Level |

**Agricultural Input vendors**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Research questions** | **Indicator/ Variable** | **Data collection method** |  | **Questionnaire Question** | **Questionnaire Responses** | **Data collection level** |
| 2 | ProductsSell | KI Phone Interview |  | What kind of products do you usually sell? | Seeds  Seedlings/saplings  Fertilizers  Chemicals  Farming tools and equipment [including machinery and irrigation]  Livestock feed  Veterinary drugs  Livestock equipment  Fishing and aquaculture equipment  Fishing and aquaculture inputs [including feed/fingerlings]  DON'T KNOW  REFUSED | Individual Level |
| 2 | ProductsSell1 | KI Phone Interview |  | What is the first most important product that you usually sell? | “” | Individual Level |
| 2 | ProductsSell1other | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | ProductsSell2 | KI Phone Interview |  | What is the second most important product that you usually sell? | “” | Individual Level |
| 2 | ProductsSell2other | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | ProductsSell3 | KI Phone Interview |  | What is the third most important product that you usually sell? | “” | Individual Level |
| 2 | ProductsSell3other | KI Phone Interview |  | If other, specify. |  | Individual Level |
| 2 | MarketType | KI Phone Interview |  | On which type of market do you operate? | Daily market  Weekly/periodic market  Rural Market  DON'T KNOW  REFUSED | Individual Level |
| 2 | BusinessPastMonth | KI Phone Interview |  | Have you been operating your business over the past month? | YDR | Individual Level |
| 3 | Activity | KI Phone Interview |  | In the past month, has your business activity been affected by any restriction put in place by the authorities due to COVID-19? | YDR | Individual Level |
| 3 | FirstDifficulty | KI Phone Interview |  | What is the MOST important challenge/difficulty that you have faced in operating your business in the past month? | No particular difficulty  Business restrictions due to Covid-19  Clients are not able to access the market/shop  Lower sales  Insufficient supply  Higher operating costs  Respondent or household member being sick  COVID-19 related movement restrictions  Difficulty to access physical Libyan dinars  Difficulty to access foreign currency  Imports have become too expensive  Other difficulties (please specify)  DON'T KNOW  REFUSED | Individual Level |
| 3 | FirstDifficulty\_other | KI Phone Interview |  |  |  | Individual Level |
| 3 | SecondDifficulty | KI Phone Interview |  | What is the SECOND most important challenge/difficulty that you have faced in operating your business in the past month | “” | Individual Level |
| 3 | SecondDifficulty\_other | KI Phone Interview |  |  |  | Individual Level |
| 3 | SameTypesOfProducts | KI Phone Interview |  | Have you been offering the same types of products, #Products Sell#, over the last month compared to usual at this time of the year? | Yes - less clients than usual  Yes - lower quantities purchased  Yes - cheaper products purchased  Yes - different types of products purchased  No change in demand  DON'T KNOW  REFUSED | Individual Level |
| 3 | ProductsOffer | KI Phone Interview |  | What types of products have you not been offering in the past one month? | Text | Individual Level |
| 2 | ProductNotSufficient | KI Phone Interview |  | What products (if any) are not in sufficient supply to satisfy the demand of your clients for the next 3 months? | Text | Individual Level |
| 3 | DemandChanges | KI Phone Interview |  | Over the last 3 months have there been changes in the demand from your clients for the 1st major product that you sell in your shop compared to usual in this time of the year? | Significant decrease  Moderate decrease  No change  Significant increase  DON'T KNOW  REFUSED | Individual Level |
| 3 | DemandChanges2 | KI Phone Interview |  | Over the last 3 months has there been changes in the demand from your clients for the 2nd major product in your shop compared to usual at this time of the year? | Significant decrease  Moderate decrease  No change  Significant increase  DON'T KNOW  REFUSED | Individual Level |
| 1 | QuantityChanges | KI Phone Interview |  | Have there been changes in the overall supply of seeds that you have sold compared to usual at this time of the year? | Significant decrease  Moderate decrease  No change  Significant increase  DON'T KNOW  REFUSED | Individual Level |
| 5 | BuyClient | KI Phone Interview |  | Are clients asking to "buy on credit" more than usual over the past 3 months? | Significant decrease  Moderate decrease  No change  Significant increase  DON'T KNOW  REFUSED | Individual Level |
| 5 | CreditPurchase | KI Phone Interview |  | Are you granting credit purchase the same as usual over the past 3 months? | Significant decrease  Moderate decrease  No change  Significant increase  DON'T KNOW  REFUSED | Individual Level |
| 3 | AssessSales | KI Phone Interview |  | How do you assess the level of your sales over the past month compared to usual at this time of the year? | YDR | Individual Level |
| 3 | ExperienceDifficulties | KI Phone Interview |  | Have you experienced difficulties in terms of transportation of your products in the last three months? | YDR | Individual Level |
| 3 | ExperienceDifficulties2 | KI Phone Interview |  | If yes, please specify which difficulties you have experienced in terms of transportation. | Text | Individual Level |
| 3 | PackagingDifficulties | KI Phone Interview |  | Have you experienced difficulties in terms of packaging and storage of your products in the last three months? | Yes - Have experienced many diffuculties  Yes - Have experienced a few difficulties  No - Have not experienced more difficulties than usual  DON'T KNOW  REFUSED  NOT APPLICABLE | Individual Level |
| 3 | PackagingDifficulties2 | KI Phone Interview |  | If yes, please specify which difficulties you have experienced in terms of packaging and storage. | Text | Individual Level |
| 3 | WorkforceDifficulties | KI Phone Interview |  | Have you experienced difficulties to find workforce in the last month? | Yes - Have experienced many diffuculties  Yes - Have experienced a few difficulties  No - Have not experienced more difficulties than usual  DON'T KNOW  REFUSED  NOT APPLICABLE | Individual Level |
| 3 | SupplyChange | KI Phone Interview |  | Did you have to change your supply and marketing channels for your products in the last month? | YDR | Individual Level |
| 3 | SupplyChange2 | KI Phone Interview |  | Please specify why your supply and marketing channels for your products have changed over the past 3 months. | Text | Individual Level |
| 3 | CostsChange | KI Phone Interview |  | Over the past month have your operational costs changed compared to a usual year at the same time? | Costs have increased  Costs are the same  Costs have decreased  DON'T KNOW  REFUSED | Individual Level |
| 3 | CostsChange2 | KI Phone Interview |  | Please specify why operating costs have changed over the past 3 months. | Text | Individual Level |
| 3 | PricesChange | KI Phone Interview |  | Over the past month have the prices of #Products Sell# changed compared to usual at this time of the year? | Yes - Significant increase  Yes - Moderate increase  No - No change  Yes - Moderate decrese  Significant decrease  DON'T KNOW  REFUSED | Individual Level |
| 3 | Assistance | KI Phone Interview |  | Have you or your business benefitted from any COVID-19-related assistance from the government or aid agencies over the past 3 months? | YDR | Individual Level |
| 3 | AssistanceType | KI Phone Interview |  | Which kind of assistance have you benefited from? | Cash / food assistance  Agricultural input assistance  Tax discount or subsidies  Social insurance  Labour insurance  Logistical support  DON'T KNOW  REFUSED | Individual Level |
| 3 | Access\_Foreign\_Currency | KI Phone Interview |  | 3.26 How do you attain foreign currency needed for business? | Parallel Market  Official Exchange Rate via banks  Other | Individual Level |
|  | Access\_Foreign\_Currency\_other | KI Phone Interview |  |  |  | Individual Level |
| 6 | FinancialDifficulty | KI Phone Interview |  | Over the past 3 months have you experienced difficulties to access financial services and credit compared to usual at this time of the year? | Yes - you have experienced many difficulties  Yes - you have experienced a few difficulties  No - you have not experienced any difficulties  DON'T KNOW  REFUSED | Individual Level |
| 6 | DifficultyOperating | KI Phone Interview |  | Have you faced any other difficulty to operate your activity over the past 3 months that we have not covered already? | Text | Individual Level |
| 6 | DifficultyOperating2 | KI Phone Interview |  | Please specify what difficulty/difficulties you faced in operating your business activity over the past 3 months. | Text | Individual Level |
| 6 |  | KI Phone Interview |  |  |  | Individual Level |
| 6 | C | KI Phone Interview |  | C. Projections |  | Individual Level |
| 6 | ExpectDifficulty | KI Phone Interview |  | Do you expect to have more difficulties to operate your business in the coming 3 months? | Yes - you have experienced many difficulties  Yes - you have experienced a few difficulties  No - you have not experienced any difficulties  DON'T KNOW  REFUSED | Individual Level |
| 6 | SufficientSupply | KI Phone Interview |  | Do you expect to have sufficient supplies in the coming 3 months? | YDR | Individual Level |
| 6 | ProductsConcern | KI Phone Interview |  | For which products are you concerned about not having sufficient supplies in the coming 3 months? | Seeds  Seedlings/saplings  Fertilizers  Chemicals  Farming tools and equipment [including machinery and irrigation]  Livestock feed  Veterinary drugs  Livestock equipment  Fishing and aquaculture equipment  Fishing and aquaculture inputs [including feed/fingerlings]  Other (specify)  DON'T KNOW  REFUSED | Individual Level |
| 6 | PricesChangeComingMonths | KI Phone Interview |  | Do you expect to change your prices in the coming 3 months? | Yes - you expect your prices to increase  Yes - you expect your prices to decrease  No - you don't expect a change in your prices  I don’t know  REFUSED | Individual Level |
| 6 | UrgentNeeds1 | KI Phone Interview |  | What is the MAIN URGENT need to keep your business on-going? | text | Individual Level |
| 6 |  | KI Phone Interview |  | What is the SECOND URGENT need to keep your business on-going? | text | Individual Level |
|  |  | KI Phone Interview |  | What is the THIRD URGENT need to keep your business on-going? | text | Individual Level |
|  |  | KI Phone Interview |  | Would you be able to respond if there were a (50% or 100%) increase in demand in less than a week? | YDR | Individual Level |
|  |  |  |  |  |  |  |

**Food Traders**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Research questions** | **Indicator / Variable** | **Data collection method** | **IN#** | **Questionnaire Question** | **Questionnaire Responses** | **Data collection level** |
| **2** | MainTradingActivity | KI Phone Interview | What is your main trading activity? | What is your main trading activity? | Retailer (supermarket)  Retailer (other)  Wholesaler  Broker  Importer  DON'T KNOW  REFUSED | Individual Level |
| **2** | MainTradingActivity\_other | KI Phone Interview | If other, specify. | If other, specify. |  | Individual Level |
| **2** | MarketType | KI Phone Interview | On which type of market do you operate? | On which type of market do you operate? | Daily market  Weekly  Rural  Farm gate  DON'T KNOW  REFUSED  Other | Individual Level |
| **2** | MarketType\_other | KI Phone Interview | If other, specify. | If other, specify. |  | Individual Level |
| **2** | TradedFood | KI Phone Interview | What is the most important food commodity that you usually sell? | What is the most important food commodity that you usually sell? | Cereals & Legumes  Vegetables  Fruits  Meat  Fish  Fuel items  Other animal products  Condiments & Spices  Other  DON'T KNOW  REFUSED | Individual Level |
| **2** | TradedFood\_other | KI Phone Interview | If other, specify. | If other, specify. |  | Individual Level |
| **2** | TradedFood2 | KI Phone Interview | What is the second most important food commodity that you usually sell? | What is the second most important food commodity that you usually sell? | **“”** | Individual Level |
| **2** | TradedFood2\_other | KI Phone Interview | If other, specify. | If other, specify. |  | Individual Level |
| **2** | TradedFood3 | KI Phone Interview | What is the third most important food commodity that you usually sell? | What is the third most important food commodity that you usually sell? | **“”** | Individual Level |
| **2** | TradedFood3\_other | KI Phone Interview | If other, specify. | If other, specify. |  | Individual Level |
| **5** | WorkPM | KI Phone Interview | Have you been able to work during the [past month]? | Have you been able to work during the [past month]? | YDR | Individual Level |
|  | WhyNoWorkPM | KI Phone Interview | If no, why? | If no, why? | **Text** | Individual Level |
|  | WhyNoWorkPM\_other | KI Phone Interview | If other, specify. | If other, specify. | **Text** | Individual Level |
| **5** | ApplyMeasures | KI Phone Interview | Have you been requested to apply specific measures (e.g. mask, hand sanitizer, physical distancing)? | Have you been requested to apply specific measures (e.g. mask, hand sanitizer, physical distancing)? | **YDR** | Individual Level |
| **5** | SupportReceived | KI Phone Interview | If yes, what kind of support did you receive from the authorities to apply the measures? | If yes, what kind of support did you receive from the authorities to apply the measures? | **Financial**  **Equipment**  **Information**  **None**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **2** | FoodSourceWeek | KI Phone Interview | Where do you mainly source your food products this month? | Where do you mainly source your food products this month? | **From farmers**  **From traders**  **From wholesalers**  **From abroad**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **2** | Intro | KI Phone Interview | I am going to ask you questions on the supply and prices for the three most important food products you trade. | I am going to ask you questions on the supply and prices for the three most important food products you trade. |  | Individual Level |
| **2** | QuantityChanges | KI Phone Interview | Are there currently changes in the quantity supplied of your main food commodity as compared to usual at this time of the year? | Are there currently changes in the quantity supplied of your main food commodity as compared to usual at this time of the year? | **Sharp decrease**  **Moderate decrease**  **No change**  **Moderate increase**  **Sharp increase**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **2** | OriginAffected | KI Phone Interview | what was the origin of the most affected products? | What was the origin of the most affected products? | **Locally produced**  **Domestically produced**  **Imported**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **2** | QuantitiesChangesComparisons | KI Phone Interview | For your most important food commodity, have you observed changes in the overall quantities bought by your customers compared to usual at this time of the year? | For your most important food commodity, have you observed changes in the overall quantities bought by your customers compared to usual at this time of the year? | **Sharp decrease**  **Moderate decrease**  **No change**  **Moderate increase**  **Sharp increase**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **3** | PriceChanges | KI Phone Interview | Have there been changes in the prices of your most important food commodity compared to usual at this time of the year? | Have there been changes in the prices of your most important food commodity compared to usual at this time of the year? | Sharp decrease  Moderate decrease  No change  Moderate increase  Sharp increase  DON'T KNOW  REFUSED | Individual Level |
| **3** | CompareCostsLastYr | KI Phone Interview | Have you observed changes in your costs compared to last year at the same time? | Have you observed changes in your costs compared to last year at the same time? | Sharp decrease  Moderate decrease  No change  Moderate increase  Sharp increase  DON'T KNOW  REFUSED | Individual Level |
| **3** | TransportDifficulties | KI Phone Interview | Have you experienced difficulties in terms of 1food items transportation? | Have you experienced difficulties in terms of food items transportation? | **Yes (Many)**  **Yes (Some)**  **No**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **3** | HaveWorkers | KI Phone Interview | Do you usually have employees or daily workers this time of the year? | Do you usually have employees or daily workers this time of the year? | **YDR** | Individual Level |
| **3** | OriginWorkers | KI Phone Interview | If yes, what is the country of origin of your employees/ daily workers? | If yes, what is the country of origin of your employees/ daily workers? | Libya  MENA  West and Central Africa  East Africa  Other | Individual Level |
|  | OriginWorkers\_other | KI Phone Interview | If other, specify. | If other, specify. |  | Individual Level |
| **3** | RetainingWorkers | KI Phone Interview | If yes, have you experienced difficulties to have your employees present at work or to hire daily workers? | If yes, have you experienced difficulties to have your employees present at work or to hire daily workers? | **Yes (High)**  **Yes (Some)**  **No**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **3** | CustomersChanges | KI Phone Interview | Have you observed changes in the number of your customers over the past 3 months? | Have you observed changes in the number of your customers over the past 3 months? | **Yes (High)**  **Yes (Some)**  **No**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **3** | CostsChanges | KI Phone Interview | Has there been any change in the level of demand to buy on credit from consumers over the past 3 months? | Has there been any change in the level of demand to buy on credit from consumers over the past 3 months? | **Yes (High)**  **Yes (Some)**  **No**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **5** | ProvidedAccommodation | KI Phone Interview | Have you provided this change in demand for credit? | Have you provided this change in demand for credit? | **YDR** | Individual Level |
| **5** | Closure | KI Phone Interview | In the last 3 months, has there been a closure of financial services and/or credit mechanisms that you often go to in order to sustain your business? | In the last 3 months, has there been a closure of financial services and/or credit mechanisms that you often go to in order to sustain your business? | **Yes (for most consumers who demanded it)**  **Yes (for some consumers who demanded it)**  **No**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **6** | FinancialAccess | KI Phone Interview | Have you experienced difficulties to access financial services and credit over the past 3 months compared to usual at this time of the year? | Have you experienced difficulties to access financial services and credit over the past 3 months compared to usual at this time of the year? | **Yes (High)**  **Yes (Few)**  **No**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **6** | Cope | KI Phone Interview | Have you made any changes to your business to cope with the situation? To deal with these financial difficulties | Have you made any changes to your business to cope with the situation? | **YDR** | Individual Level |
| **6** | Access\_Foreign\_Currency | KI Phone Interview | How do you attain foreign currency needed for businesss? | How do you attain foreign currency needed for businesss? | **Parallel Market**  **Official Exchange Rate via banks**  **Other** | Individual Level |
| **6** | Access\_Foreign\_Currency\_other | KI Phone Interview |  |  |  | Individual Level |
| **6** | MeasuresTaken | KI Phone Interview | What measures have you taken to cope with the situation? Did you make changes, if yes what did you change? | What measures have you taken to cope with the situation? Did you make changes, if yes what did you change? | Activity shutdown  Activity slowdown  Changes in supply and marketing channels  Change in products traded  DON'T KNOW  REFUSED  Other (please specify) | Individual Level |
| **3** | MeasuresTaken\_other | KI Phone Interview |  |  |  | Individual Level |
|  |  | KI Phone Interview |  |  |  | Individual Level |
|  | C | KI Phone Interview | C. PROJECTIONS | C. PROJECTIONS |  | Individual Level |
| **6** | MarketSupplyDifficulties | KI Phone Interview | Do you expect to face more difficulties in terms of market supply in the coming 3 months? | Do you expect to face more difficulties in terms of market supply in the coming 3 months? | **Yes, much more**  **Yes, a bit more**  **No**  **Less than usual**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **6** | FoodSalesDifficulties | KI Phone Interview | Do you expect to face more difficulties in terms of food sales in the coming 3 months? | Do you expect to face more difficulties in terms of food sales in the coming 3 months? | **Yes, much more**  **Yes, a bit more**  **No**  **Less than usual**  **DON'T KNOW**  **REFUSED** | Individual Level |
| **6** | ShutDown | KI Phone Interview | Do you expect to have to shut down in the coming 3 months? | Do you expect to have to shut down in the coming 3 months? | **YDR** | Individual Level |
| **6** | UrgentNeeds1 |  | What is the MAIN URGENT needs to keep your business ongoing? | What is the MAIN URGENT needs to keep your business ongoing? | **Text** | Individual Level |
| **6** | UrgentNeeds2 |  | What is the SECOND URGENT needs to keep your business ongoing? | What is the SECOND URGENT needs to keep your business ongoing? | **Text** | Individual Level |

1. Mantika is the equivalent of a governorate in Libya [↑](#footnote-ref-1)
2. [Agriculture and Rural Livelihoods Needs Assessment – Libya, FAO, 2017](https://fscluster.org/sites/default/files/documents/fao_libya_agriculture_and_rural_livelihoods_needs_assessment.pdf) [↑](#footnote-ref-2)
3. [Agriculture and Livelihood Needs Assessment Report, March 2020](https://fscluster.org/sites/default/files/documents/wfp_libya_-_fezzan_agriculture_and_livelihood_needs_assessment_report_-_march_2020_mr.pdf) [↑](#footnote-ref-3)
4. REACH will be conducting 180 HHs per region for east, west and south. We will be interviewing the same HHs in a second round a month afterwards. (Sampling strategy was set by FAO) [↑](#footnote-ref-4)
5. REACH will be conducting 10 KIIs per region for east, west and south. We will be interviewing the same KIs in a second round a month afterwards. (Sampling strategy was set by FAO) [↑](#footnote-ref-5)
6. ibid [↑](#footnote-ref-6)
7. ibid [↑](#footnote-ref-7)