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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** |
| □ StrategicX 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, MurzuqEast: Jebel Al Akhdar, Al Kufra, Ejdabia, Al MarjWest: 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 MantikasPopulation 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 KNOW6)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#EastWestSouth#ADM2#EjdabiaAl Jabal Al AkhdarAl KufraAl MargebAl JfaraAl Jabal Al GharbiSebhaUbariMurzuq |  |
| NA | NA |  Telephone HH Survey | What is the gender of the respondent? | RESPSex | 1)Male2)Female3)DON'T KNOW4)REFUSED |  |
| NA | A12 |  Telephone HH Survey | Is the head of your household male or female? | HHHSex | 1)Female2)Male3)DON'T KNOW4)REFUSED |  |
| NA |    |  Telephone HH Survey | What is the highest level of education achieved by the head of your household? | Wealth1 | 1) None2) Illitterate3) Primary4) Secondary5) University6) Other (specify)7)DON'T KNOW8)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) Yes2) No3) DON’T KNOW4) REFUSED |  |
| NA |   |  Telephone HH Survey | What is your household residence type? | ResType | 1) Non-displaced 2) Returnee3) IDP4) Migrant and Refugee4) Other (specify)5)DON'T KNOW6)REFUSED |  |
| NA |   |  Telephone HH Survey | What is your region of origin? | Region of origin | 1) MENA2) East Africa3) West and Central Africa3) Other 4) Other (specify)5)DON'T KNOW6)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 crops2)Sale of orchard products3)Sale of cash crops4)Sale of live livestock5)Sale of livestock products6)Sale of fish7)Sale of forest products8)Agricultural daily labor wage9)Non-agricultural daily labor wage10)Skilled labor [artisan] petty trade11)Self-employed12)Remittances13) Public Sector Salary14) Private Sector Salary15)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 KNOW19)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 same5)Slightly decreased [-5 to -20%]6)Moderately decreased [-20 to -50%]7)Significantly decreased [> -50%]8)DON'T KNOW9)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 employment3)Income losses4)COVID-19 restriction measures5)Increased prices of food commodities6)Increased prices of agricultural inputs7)Higher production costs8)Sudden reduction in access to credit9)Difficulties to reach markets10)Increased cost of transport11)Increased cost of fuel12)Insecurity or conflict13)Other [specify]14)DON'T KNOW15)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)YES2)NO3)DON'T KNOW4)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 change5)Slightly decreased [-5 to -20%]6)Moderately decreased [-20 to -50%]7)Significantly decreased [> -50%]8)DON'T KNOW9)REFUSED |  |
| 5 |   |  Telephone HH Survey | Has your household faced any additional shock in in the last 3 months? | AdditionalShock | 1)Yes2)No3)DON'T KNOW4)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 employment3)Income losses4)COVID-19 restriction measures5)Increased prices of food commodities6)Increased prices of agricultural inputs7)Reduction in own production8)Higher production costs (electricity, fuel, water, etc.)9)Sudden reduction in access to credit10)Difficulties to reach markets11)Increased cost of transport12)Drought13) Flood14)Other natural hazards [storm / hurricane / landslide / etc.]15)Insecurity or conflict16)Other [specify]17)DON'T KNOW18)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)Yes2)No3)DON'T KNOW4)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 season2)Weather conditions [drought or floods]3)Pests [locusts or fall armyworm or etc]4)Lack of seeds or fertilizer or tools5)Seeds or fertilizer or tools are too expensive6)Lack of credit7)No access to land8)Lack of labor9)Labor too expensive10)Erosion or poor soil quality11)Insecurity12)Engaged in other productive or employment activities13)Low demand or few people are buying products14)Lack of transportation to market to sell15)Markets are closed16)Prices offered for the cash crops are too low17)Storage challenges18)Disruption of irrigation infrastructure19)Other [specify]20)DON'T KNOW21)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) Barley2) Wheat3) Onions4) Tomatoes5) Peppers6) Potatoes7) Beans8) Clover9) Alfalfa 10) Chifoon11) Watermelon12) Fodder13) Corn14) Dates15) Olives16) Grapes17) Figs18) Citrus20) 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 KNOW22) 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 change5)Slightly decreased [-5 to -20%]6)Moderately decreased [-20 to -50%]7)Significantly decreased [> -50%]8)DON'T KNOW9)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 drought2)Heavy rains or floods3)Pests [locusts/fall armyworm/etc]4)Lack of seeds 5) Lack of fertilizer or 6) Lack of agricultural tools and machineries7)Agricultural inputs too expensive8)Lack of credit9)No access to land10)Lack of labor11)Labor too expensive12)Erosion or poor soil quality13)Insecurity14)Engaged in other productive or employment activities15)Low demand or few people are buying products16)Lack of transportation to market the product17)Markets are closed18)Prices offered for crops are too low19)Storage challenges20)Disruption of irrigation infrastructure21)Other [specify]22)DON'T KNOW23)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)Yes2)No3)DON'T KNOW4)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 drought2)Heavy rains or floods3)Hail or storms or strong winds4)Outbreak of pests or diseases5)Difficulties to access seeds6)Difficulties to access fertilizers 7) Difficulties to access pesticides8)Increased prices of agricultural inputs9)Limited labor availability10)Labor too expensive11)No access to land12)Limited access to irrigation13)Limited access to markets14)Limited access to shops15)Increased costs of production (water, electricity, fuel, etc.)16)Difficulties related to COVID-19 pandemic17)Storage challenges18)Insecurity19)Lack of transportation to market the products20)Markets are closed21)Disruption of irrigation infrastructure22)Low demand or few people are buying products23)Prices offered for crops are too low24)Other [specify]25)DON'T KNOW26)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 armyworms2)Rodents3)Other [specify4)None5)DON'T KNOW6)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)YES2)NO3)DON'T KNOW4)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 vendors2)Seeds are not available from own production3)Seeds are not available from social network [relatives / neighbours / etc.]4)Seeds are not available from local market5)Seed varieties usually used are not available6)Seeds usually provided by aid or subsidies are not provided anymore7)Prices of seeds are higher than usual8)Household’s income is insufficient to buy seeds9)Not able or not allowed to go to the market to buy seeds10)Available seed is of low quality11)Loss of own household seed stocks12)Difficulties related to COVID-19 pandemic13)Other [specify]14)DON'T KNOW15)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 same5)Slightly decreased [-5 to -20%]6)Moderately decreased [-20 to -50%]7)Significantly decreased [> -50%]8)I am not expecting any production9)DON'T KNOW10)REFUSED |  |
| 3 | D14 |  Telephone HH Survey | Did your household sell any of #MainCrop# production during the last 3 months? | CropSales | 1)Yes2)No3)DON'T KNOW4)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 changed5)Slightly lower [-5 to -20%] 6)Moderately lower [-20 to -50%]7)Significantly lower [> -50%]8)You are not selling9)DON'T KNOW10)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 difficulties2)Yes - minor difficulties3)No unusual difficulty4)DON'T KNOW5)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 closures4)Limited storage capacity5)Demand is lower than usual6)Usual traders are not coming to buy the production anymore7)Cost of transportation is higher than usual8) Fuel too expensive9)Prices are too low10)Other [specify]11)DON'T KNOW12)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 same5)Slightly lower [-5 to -20%] 6)Moderately lower [-20 to -50%]7)Significantly lower [> -50%]8) I am not selling9)DON'T KNOW10)REFUSED |  |
| 5 | D20 |  Telephone HH Survey | Does your household need assistance for your crop production over the next 3 to 6 months? | CropNeedAssistance | 1)YES2)NO3)DON'T KNOW4)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) Seeds2) Fertilizers3) Pesticides4) Tools6) Access to water7) Access to land8) Advice from technical expert (i.e. extension officers)9) Marketing support10) Cash assistance11) Loans12) Information on safety measures to carry agricultural work in context of COVID-19 pandemic13) Storage facilities (bags, containers, etc.)14) Other [specify]15) Don't know16) 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)YES2)NO3)DON'T KNOW4)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 land4)Lack of feed5)Lack of water6)Lack of credit7)Lack of labour 8)Labour too expensive9)Insecurity10)Engaged in other productive or employment activities11)Low demand or few people are buying products or live animals12)Lack of transportation to market to sell13)Markets are closed14)Prices offered are too low15)Storage challenges16)Other [specify]17)Don't know18)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)Cattle2)Goat3)Sheep4)Camel5)Donkey6)Rabbit7)Chicken8)Pigeon9) Beehives10)Other [specify]11)Don't know12)None13)Refused |  |
| 2 | E03 |  Telephone HH Survey | Has your household faced any difficulty in the last 3 months with livestock production? | DifficultyRaisingAnimals | 1)YES2)NO3)DON'T KNOW4)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 feed2)Constrained access to pasture3)Constrained access to water4)Difficulty to access veterinary services5)Difficulty to access veterinary inputs6)Livestock diseases7)Livestock theft or insecurity8)Poor access to livestock market9)Low livestock or livestock products prices10)Lack of credit11)Lack of labor12) Lack of storage capacities13) Lack of transport14)Difficulties related to the COVID-19 pandemic15)Other [specify]16)DON'T KNOW17)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 usual2)Not available from usual vendor3)Not able to access market to purchase4)Income insufficient / unable to get credit to purchase5) COVID-19 related movement restrictions 6)Other7)DON'T KNOW8)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 usual2)Not available from usual vendor3)Not able to access market to purchase4)Income insufficient / unable to get credit to purchase5) COVID-19 related movement restrictions 6)Other (please specify)7)DON'T KNOW8)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 usual2)Not available from usual vendor3)Not able to access market to purchase4)Income insufficient / unable to get credit to purchase5) COVID-19 related movement restrictions 6)Other7)DON'T KNOW8)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)Yes2)No3)DON'T KNOW4)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 KNOW8)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 services2)Higher mortality due to pest and disease3)Higher mortality due to drought4)Higher mortality due to flood5)Slaughtered due to special events6)Slaughtered to feed the family7)Animals were stolen8)Better sales than usual9)Distress sales for urgent cash needed10)Sold animals because unable to feed them11)Because of COVID-19 related issues12)Other [specify]13)DON'T KNOW14)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)YES2)NO3)DON'T KNOW4)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 changed5)Slightly decreased [5-20%] 6)Moderately decreased [20-50%]7)Significantly decreased [>50%]8)DON'T KNOW10)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 difficulties2)Yes - minor difficulties3)No unusual difficulty4)DON'T KNOW5)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 closures4)Limited storage capacity5)Demand is lower than usual6)Usual traders are not coming to buy the production anymore7)Cost of transportation is higher than usual8) Fuel too expensive9)Prices are too low10)Other [specify]11)DON'T KNOW12)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 same5)Slightly lower [-5 to -20%] 6)Moderately lower [-20 to -50%]7)Significantly lower [> -50%]8) I am not selling9)DON'T KNOW10)REFUSED |  |
| 6 | E17 |  Telephone HH Survey | Does your household need assistance for your livestock production over the next 3 to 6 months? | AnimalNeedAssistance | 1)YES2)NO3)DON'T KNOW4)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 feed2)Access to water3)Veterinary services4)Veterinary inputs 5)Destocking6) Restocking7)Marketing support8) Storage facilities (e.g. cold chains for milk, etc.)9)Cash assistance10)Loans11)Information on safety measures to carry livestock work in the context of COVID-19 pandemic12)Other [specify]13)DON'T KNOW14)REFUSED |  |
|  | F01 |  Telephone HH Survey |   | DifficultyFish |   |  |
| 2 | F01A |  Telephone HH Survey | What type of fishing activity does your household generally practice? | TypeFishing | 1)Coastal Fishing2)Open sea fishing3)Fishing in lakes / ponds and rivers4)Aquaculture5)DON'T KNOW6)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)Yes2)No3)DON'T KNOW4)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 pandemic3)Lack fuel4)High price of fuel5)Lack of fishing material and/or inputs6)High prices of fishing material and/or inputs7)Lack of labour 8)High cost of labour9) Off-season (no fishing allowed)9)Other [specify]10)DON'T KNOW11)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 difficulty2)Yes - minor difficulty3)Not unusual difficulty4)DON'T KNOW5)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-193) Lack fuel4) High price of fuel5) Lack of fishing material and/or inputs6) High prices of fishing material and/or inputs7) Lack of labour 8) High cost of labour9) No demand for fish/ fish products10) Lack of storage capacity11) Lack of processing capacities12) Other (specify)13) 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)Bait2)Gear3)Ice4)Fuel5)Boat repairs6)Other [specify]7)DON'T KNOW8)REFUSED |  |
| 3 | F05 |  Telephone HH Survey | Did you sell any of your household's #MainFish# product during the last 3 months? | FishSales | 1)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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 KNOW8)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 difficulties2)Yes - minor difficulties3)No unusual difficulty4)DON'T KNOW5)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 closures4)Limited storage capacity5)Demand is lower than usual6)Usual traders are not coming to buy the production anymore7)Cost of transportation is higher than usual8)Prices are too low9)Difficulties related to the COVID-19 pandemic [i.e. movement restrictions]10)Other [specify]11)DON'T KNOW112)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 same5)Slightly lower [-5 to -20%] 6)Moderately lower [-20 to -50%]7)Significantly lower [> -50%]8) I am not selling9)DON'T KNOW10)REFUSED |  |
| 6 | F11 |  Telephone HH Survey | Does your household need assistance for your fisheries production over the next 3 to 6 months? | FishNeedAssistance | 1)YES2)NO3)DON'T KNOW4)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 gears2)Bait3)Boats4)Conservation material [ice / containers / refrigerators / etc.]5)Fisheries expert advice6)Marketing support7)Cash assistance8)Loans9)Information on safety measures to carryout fisheries work in context of Covid pandemic10) Storage facilities (e.g. refrigerators, etc.)11)Other [specify]12)DON'T KNOW13)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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 KNOW5)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)YES2)NO3)DON'T KNOW4)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 KNOW5)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)YES2)NO3)DON'T KNOW4)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 KNOW5)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)Yes2)No - because it wasn’t necessary3)No - because you already sold those assets or did this activity within the last 12 months and you cannot continue to do it4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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)YES2)NO3)DON'T KNOW4)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 KNOW6)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 productionHorticulture productionPlants protectionLivestock productionVeterinaryFisheriesDon't knowRefusedOther | 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 cropsSale of orchard horticultureSale of cash cropsSale of livestock and livestock productsSale of fishSale of forest productsAgricultural wage labourNon-agricultural wage labourSkilled labour [artisan]Petty tradeSelf-employedRemittancesSalaryHumanitarian assistance [cash for work and other forms of cash-based assistance]Other forms of assistance [begging / charity]Other (please specify)Don't knowRefused | 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? | CurfewMovement restrictions (movement still allowed under some conditions)Food markets closedAgricultural input markets closedShops closedMarkets functioning partiallySocial activities forbiddenLabour forbiddenTechnical extensions services suspendedVeterinary services closedAbattoirs closedDon't knowRefusedOther | 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 KNOWREFUSED | 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 KNOWREFUSED | 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 KNOWREFUSED | 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 productionYES, I expect a decrease in productionNO, I expect the same level of productionDON'T KNOWREFUSED | 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 knowRefused | 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 / droughtHeavy rains / FloodingHail, storms, strong windsLocustsOther crop pests (fall armyworm, etc.)Crop diseasesDifficulty to access seeds due to low availability or no creditDifficulty to access seeds due to high pricesDifficulty to access other crop inputs (fertilizers, tools, pesticides) due to low availability, or no creditDifficulty to access other crop inputs (fertilizers, tools, pesticides) due to high prices Difficulty to access physical Libyan dinars Difficulty to access foreign currencyInsecurity/ conflictLabour not availableLabour too expensiveFuel too expensive Power cutsLack of access to landHealth (surge in number of people being sick)Lack of perspective on possibility to sell products or pricesOtherDon't knowRefused | Individual Level |
| 2 | QD3a | KI Phone Interview  |  | D3a. What is the MOST IMPORTANT shock affecting crop production this season compared to normal? | Dry spell / droughtHeavy rains / FloodingHail, storms, strong windsLocustsOther crop pests (fall armyworm, etc.)Crop diseasesDifficulty to access seeds due to low availability or no creditDifficulty to access seeds due to high pricesDifficulty to access other crop inputs (fertilizers, tools, pesticides) due to low availability, or no creditDifficulty to access other crop inputs (fertilizers, tools, pesticides) due to high prices Difficulty to access physical Libyan dinars Difficulty to access foreign currencyInsecurity/ conflictLabour not availableLabour too expensiveFuel too expensive Power cutsLack of access to landHealth (surge in number of people being sick)Lack of perspective on possibility to sell products or pricesOtherDon't knowRefused | 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 / droughtHeavy rains / FloodingHail, storms, strong windsLocustsOther crop pests (fall armyworm, etc.)Crop diseasesDifficulty to access seeds due to low availability or no creditDifficulty to access seeds due to high pricesDifficulty to access other crop inputs (fertilizers, tools, pesticides) due to low availability, or no creditDifficulty to access other crop inputs (fertilizers, tools, pesticides) due to high prices Difficulty to access physical Libyan dinars Difficulty to access foreign currencyInsecurity/ conflictLabour not availableLabour too expensiveFuel too expensive Power cutsLack of access to landHealth (surge in number of people being sick)Lack of perspective on possibility to sell products or pricesOtherDon't knowRefused | 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 / droughtHeavy rains / FloodingHail, storms, strong windsLocustsOther crop pests (fall armyworm, etc.)Crop diseasesDifficulty to access seeds due to low availability or no creditDifficulty to access seeds due to high pricesDifficulty to access other crop inputs (fertilizers, tools, pesticides) due to low availability, or no creditDifficulty to access other crop inputs (fertilizers, tools, pesticides) due to high prices Difficulty to access physical Libyan dinars Difficulty to access foreign currencyInsecurity/ conflictLabour not availableLabour too expensiveFuel too expensive Power cutsLack of access to landHealth (surge in number of people being sick)Lack of perspective on possibility to sell products or pricesOtherDon't knowRefused | 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 seedsBorrow seeds from other farmersLate sowingReduced planted areaDon't knowRefusedOther | 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 changeSlightly lower [-5 to -20%] Moderately lower [-20 to -50%]Significantly lower [> -50%]Don't knowRefused | 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? | CattleGoatSheepCamelDonkeyRabbitChickenPigeonBeehivesOther [specify]Don't knowNoneRefused | 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? | MeatEggsMilkLeather/woolOther | 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 diseaseLivestock movement (transhumance) restrictedLack of pasture and waterLack of feedLack of regular veterinary servicesConflict or insecurityCOVID-19 epidemicEconomic disruptions (including lack of supply of inputs, difficulties to market, lack of income and economic losses)OtherDon't knowRefused | 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 wormP.P.R (sheep and goat pox)Lumpy skin disease L.S.DDon't knowRefusedOther | Individual Level |
| 2 | QE7 | KI Phone Interview  |  | E7. Are you aware of unusual migration patterns (transhumant population)? | Yes, as normalYes, but with some disruptionsWith strong disruptionsNo, area fully blockedDon't knowRefused | 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)DestockingProvision of livestockAwareness-raising on good practices (face-to-face, remote)Don't knowRefusedOther (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 changeSlightly 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 expendituresSell productive assets [tools / land / equipment / reproductive animals]Send household members away in search for labourEat seeds that would otherwise have been kept for plantingMigrate with entire householdAccept high risk / socially degrading or exploitative temporary jobsSend adult household members to begSend child household members to begAbove normal credit or borrowingNoneDon't knowRefused | 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? | SeedsSeedlings/saplingsFertilizersChemicalsFarming tools and equipment [including machinery and irrigation]Livestock feedVeterinary drugsLivestock equipmentFishing and aquaculture equipmentFishing and aquaculture inputs [including feed/fingerlings]DON'T KNOWREFUSED | 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 marketWeekly/periodic marketRural MarketDON'T KNOWREFUSED | 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 difficultyBusiness restrictions due to Covid-19Clients are not able to access the market/shopLower salesInsufficient supplyHigher operating costsRespondent or household member being sickCOVID-19 related movement restrictionsDifficulty to access physical Libyan dinars Difficulty to access foreign currency Imports have become too expensiveOther difficulties (please specify)DON'T KNOWREFUSED | 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 usualYes - lower quantities purchasedYes - cheaper products purchasedYes - different types of products purchasedNo change in demandDON'T KNOWREFUSED | 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 decreaseModerate decreaseNo changeSignificant increaseDON'T KNOWREFUSED | 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 decreaseModerate decreaseNo changeSignificant increaseDON'T KNOWREFUSED | 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 decreaseModerate decreaseNo changeSignificant increaseDON'T KNOWREFUSED | Individual Level |
| 5 | BuyClient | KI Phone Interview  |  | Are clients asking to "buy on credit" more than usual over the past 3 months? | Significant decreaseModerate decreaseNo changeSignificant increaseDON'T KNOWREFUSED | Individual Level |
| 5 | CreditPurchase | KI Phone Interview  |  | Are you granting credit purchase the same as usual over the past 3 months? | Significant decreaseModerate decreaseNo changeSignificant increaseDON'T KNOWREFUSED | 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 diffucultiesYes - Have experienced a few difficultiesNo - Have not experienced more difficulties than usualDON'T KNOWREFUSEDNOT 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 diffucultiesYes - Have experienced a few difficultiesNo - Have not experienced more difficulties than usualDON'T KNOWREFUSEDNOT 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 increasedCosts are the sameCosts have decreasedDON'T KNOWREFUSED | 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 increaseYes - Moderate increaseNo - No changeYes - Moderate decreseSignificant decreaseDON'T KNOWREFUSED | 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 assistanceAgricultural input assistanceTax discount or subsidiesSocial insuranceLabour insuranceLogistical supportDON'T KNOWREFUSED | 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 banksOther | 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 difficultiesYes - you have experienced a few difficultiesNo - you have not experienced any difficultiesDON'T KNOWREFUSED | 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 difficultiesYes - you have experienced a few difficultiesNo - you have not experienced any difficultiesDON'T KNOWREFUSED | 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? | SeedsSeedlings/saplingsFertilizersChemicalsFarming tools and equipment [including machinery and irrigation]Livestock feedVeterinary drugsLivestock equipmentFishing and aquaculture equipmentFishing and aquaculture inputs [including feed/fingerlings]Other (specify)DON'T KNOWREFUSED | 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 increaseYes - you expect your prices to decreaseNo - you don't expect a change in your pricesI don’t knowREFUSED | 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)WholesalerBrokerImporterDON'T KNOWREFUSED | 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 marketWeeklyRuralFarm gateDON'T KNOWREFUSEDOther | 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 & LegumesVegetablesFruitsMeatFishFuel itemsOther animal productsCondiments & SpicesOtherDON'T KNOWREFUSED | 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 decreaseModerate decreaseNo changeModerate increaseSharp increaseDON'T KNOWREFUSED | 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 decreaseModerate decreaseNo changeModerate increaseSharp increaseDON'T KNOWREFUSED | 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? | LibyaMENAWest and Central AfricaEast AfricaOther | 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 shutdownActivity slowdownChanges in supply and marketing channelsChange in products tradedDON'T KNOWREFUSEDOther (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)