|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SECTION A: INTRODUCTION – CONSENT** | | | | |
| **First of all, inform and ask for household’s consent**  My name is ……….………………. from ……………….. We are conducting a survey on the impact of the Desert Locust in this area. I would like to ask you some questions about your household. The survey usually takes 15 minutes to complete. Any information that you provide will be kept strictly confidential and will not be shown to other people. No personal identifying information will be collected. Your voluntary participation in the outcome of this interview is **NOT IN ANY WAY** linked to your personal chance of receiving any assistance. This is voluntary and you can choose not to answer any or all of the questions if you want. However, we hope that you will participate since your views are important.  **Do you have any questions? (if the respondent has any questions, address them) Are you will to proceed?** | | | | |
| 1. No *[Terminate]* 2. Yes *[Proceed with the interview]* | | | | |
| **SECTION B: DEMOGRAPHICS** | | | | |
|  | Gender of respondent | 1. Male 2. Female | | |
|  | Are you the head of the household? | 1. Yes 2. No | | |
|  | What is the gender of the household head? *[ask only if respondent is not the head of the household]* | 1. Male 2. Female | | |
|  | Age of respondent *[please terminate interview if the respondent is under 18 years old]* |  | | |
|  | What have been your household’s **major** sources of income over the last 3 months? *[Select up to 3; if household does not report that crop production or livestock production is an income source, end interview]* | 1. Crop/vegetable sales 2. Sale of livestock and livestock products 3. Sale of fish 4. Sale of honey 5. Sale of tree products 6. Food or cash assistance (including vouchers) 7. Agricultural wage labor 8. Nonfarm casual labor 9. Sale of handcrafts 10. Remittances/gifts 11. Brewing 12. Sale of charcoal, firewood, or grass 13. Salary 14. Mining 15. Carpentry/masonry 16. Petty trade 17. Other (specify) | | |
| 5a. | Please specify other. *[Ask only if answer to Question 5 is “Other”]* |  | | |
| **SECTION C: CROP PRODUCTION *[ask only if respondent indicated 1 for Question 5]*** | | | | |
| 6. | Do you currently have planted crops in the field? | 1. Yes 2. No | | |
| 7. | In a typical year, would you normally plant/cultivate crops in the field at this time of the year? *[ask only if answer to Question 6 was no]* | 1. Yes 2. No | | |
| 8. | Why are you currently not growing any crops? *[ask only if answer to Question 7 was yes; select up to three options; once they have responded, please skip to Section C: on livestock]* | 1. Weather conditions 2. Pests (locusts, fall armyworm, etc) 3. Lack of seeds/fertilizers/tools 4. Seeds/fertilizers/tools are too expensive 5. Lack of credit 6. Lost access to land 7. Lack of labor 8. Erosion/poor soil quality 9. Insecurity 10. Engaged in other productive/employment activities 11. Low demand/few people are buying products 12. Lack of transportation to market to sell 13. Markets are closed 14. Prices are too low 15. Storage challenges 16. Other | | |
| 8a. | Please specify other. *[Ask only if answer to Question 8 is “Other”]* |  | | |
| 9. | Which crops have you planted during the past 3 months? *[please select all that apply]* | 1. Maize 2. Rice 3. Sorghum 4. Millet 5. Wheat 6. Teff 7. Pulses, legumes (i.e. cowpeas) 8. Root crops/tubers (cassava, sweet potatoes, potatoes) 9. Bananas 10. Groundnuts 11. Coffee/tea 12. Chat 13. Fruits/vegetables 14. Sesame 15. Fodder 16. Other | | |
| 9a. | Please specify other. *[Ask only if answer to Question 9 is “Other”]* |  | | |
| 10. | Name your **three most** important crops that you are growing right now? (write) |  |  |  |
| 11. | At what stage of growth are these three most important crops above in now? | 1. Haven’t planted yet 2. Seedlings (germinating) 3. Vegetative 4. Flowering 5. Milking/podding 6. Seed filling/maturity 7. Being harvested | 1. Haven’t planted yet 2. Seedlings (germinating) 3. Vegetative 4. Flowering 5. Milking/podding 6. Seed filling/maturity 7. Being harvested | 1. Haven’t planted yet 2. Seedlings (germinating) 3. Vegetative 4. Flowering 5. Milking/podding 6. Seed filling/maturity 7. Being harvested |
| 12. | How do you rate the growth condition of the three major crops now? | 1. Very poor 2. Poor 3. Average 4. Good 5. Very good 6. N/A | 1. Very poor 2. Poor 3. Average 4. Good 5. Very good 6. N/A | 1. Very poor 2. Poor 3. Average 4. Good 5. Very good 6. N/A |
| 13. | What is your expectation for production this season compared to a normal/average season? | 1. No production expected 2. Much lower/worse than a normal year 3. Slightly lower/worse than a normal year 4. Similar to a normal year 5. Slightly higher/better than a normal year 6. Much higher/better than a normal year 7. Don’t know | 1. No production expected 2. Much lower/worse than a normal year 3. Slightly lower/worse than a normal year 4. Similar to a normal year 5. Slightly higher/better than a normal year 6. Much higher/better than a normal year 7. Don’t know | 1. No production expected 2. Much lower/worse than a normal year 3. Slightly lower/worse than a normal year 4. Similar to a normal year 5. Slightly higher/better than a normal year 6. Much higher/better than a normal year 7. Don’t know |
| 14. | What are the most important factors that have or will contribute to the production rating provided above? [select up to three] | 1. Below-average rainfall 2. Average rainfall 3. Above-average rainfall 4. Flooding 5. Poor soil fertility/erosion 6. Locusts 7. Other crop pests (fall armyworm, etc.) 8. Weeds 9. Birds 10. Crop diseases 11. Lack of or insufficient inputs (seeds, fertilizer, etc.) due to low availability, high prices, or no credit 12. Insecurity/conflict 13. Lack of labor 14. Inability to access fields because of COVID-19 movement restrictions 15. Other (please specify) 16. No hazards this season 17. Don’t know | 1. Below-average rainfall 2. Average rainfall 3. Above-average rainfall 4. Flooding 5. Poor soil fertility/erosion 6. Locusts 7. Other crop pests (fall armyworm, etc.) 8. Weeds 9. Birds 10. Crop diseases 11. Lack of or insufficient inputs (seeds, fertilizer, etc.) due to low availability, high prices, or no credit 12. Insecurity/conflict 13. Lack of labor 14. Inability to access fields because of COVID-19 movement restrictions 15. Other (please specify) 16. No hazards this season 17. Don’t know | 1. Below-average rainfall 2. Average rainfall 3. Above-average rainfall 4. Flooding 5. Poor soil fertility/erosion 6. Locusts 7. Other crop pests (fall armyworm, etc.) 8. Weeds 9. Birds 10. Crop diseases 11. Lack of or insufficient inputs (seeds, fertilizer, etc.) due to low availability, high prices, or no credit 12. Insecurity/conflict 13. Lack of labor 14. Inability to access fields because of COVID-19 movement restrictions 15. Other (please specify) 16. No hazards this season 17. Don’t know |
| 14a. | Please specify other. *[Ask only if answer to Question 14 is “Other”]* |  |  |  |
| 15. | During a normal year, how many months does your production from these three major crops last you after the harvests? | \_\_\_ months | \_\_\_ months | \_\_\_ months |
| 16. | Given the current condition of your crops, how many months would you estimate that your production from these three major crops will last this year after the harvests? | \_\_\_ months | \_\_\_ months | \_\_\_ months |
| 17. | Do you hire labor to work on your farm? | 1. Yes 2. No | | |
| 18. | What is the current cost of labor per day? *[Ask only if answer to Question 17 is “Yes”]* |  | | |
| 19. | How does this compare to the same time last year? *[Ask only if answer to Question 17 is “Yes”]* | 1. Higher this year 2. Same 3. Lower this year | | |
| **SECTION D: LIVESTOCK PRODUCTION (ask only if respondent indicated 2 for Question 5)** | | | | |
| 20. | What type of livestock are you keeping now? [select all that apply] | 1. Cattle 2. Goats 3. Sheep 4. Donkeys 5. Horses 6. Camels 7. Rabbits 8. Poultry 9. Other 10. Not relevant because I am not raising livestock right now | | |
| 20a. | Please specify other. *[Ask only if answer to Question 20 is “Other”]* |  | | |
| 21. | Why are you not raising livestock right now? *[Ask only if response to 20 is “Not relevant because I am not raising livestock right now”]* | 1. Animals died from disease/hunger/etc. 2. Animals were slaughtered for a special event (holiday, wedding, funeral, etc.) 3. Animals were slaughtered to feed the family 4. Animals were sold 5. Animals were stolen 6. Lack of feed/pasture 7. Lack of water 8. Lack of veterinary products (vaccinations, medicines, etc) 9. Lack of market to sell animals 10. Low prices for animals 11. Livestock diseases 12. Lack of credit 13. Lack of access to pasture land 14. Lack of labor 15. Insecurity 16. Too busy 17. Found another opportunity that is more profitable 18. Low demand/few people are buying products 19. Lack of transportation to market to sell 20. Markets are closed 21. Storage challenges for livestock products 22. Other | | |
| 21a. | Please specify other. *[Ask only if answer to Question 21 is “Other”]* |  | | |
| 22. | How is current pasture availability for this time of year compared to the same period during a recent normal year? | 1. Much higher this year 2. Slightly higher this year 3. Similar this year 4. Slightly lower this year 5. Much lower this year 6. Don’t know | | |
| 23. | What are the most important factors that have contributed to the current pasture availability rating this year? *[select up to three options]* | 1. Below-average rainfall during the current/ongoing rainy season 2. Average rainfall during the current/ongoing rainy season 3. Above-average rainfall during the current/ongoing rainy season 4. Below-average rainfall during the previous rainy season 5. Average rainfall during the previous rainy season. 6. Above-average rainfall during the previous rainy season. 7. Flooding 8. Erosion 9. Locusts 10. Birds 11. Other pests 12. Invasive species 13. Overgrazing 14. No hazards this year 15. Other (please specify) 16. Don’t know | | |
| 23a. | Please specify other. *[Ask only if answer to Question 23 is “Other”]* |  | | |
| 24. | What is the current condition of the majority of your animals? | 1. Excellent condition 2. Good condition 3. Fair condition 4. Poor condition | | |
| 25. | Do you move your livestock beyond your village during normal or difficult years (e.g. years with poor water and pasture availability)? | 1. Yes, I move my livestock every year 2. Yes, I move my livestock only during difficult years (e.g. years with poor water and pasture availability) 3. No, I don’t move my animals | | |
| 26. | Have your livestock been moved during the past three months? *[Ask only if answer to Question 25 is “Yes”]* | 1. Yes 2. No | | |
| 27. | Are the locations that you moved your livestock to normal or atypical for this time of the year? *[Ask only if answer to Question 26 is “Yes”]* | 1. Normal 2. Atypical | | |
| 28. | Is the timing of these livestock movements normal or atypical for this time of the year? *[Ask only if answer to Question 26 is “Yes”]* | 1. Normal 2. Atypical | | |
| 29. | What are the primary drivers of these atypical movements? *[ask only if 27 or 28 is indicated as atypical; please select up to three]* | 1. Limited pasture availability 2. Limited water availability 3. Limited availability of veterinarian services 4. Poor market functioning 5. Conflict/insecurity/theft 6. New rules/restrictions limiting livestock movements 7. New agreements facilitate livestock movements 8. More livelihood opportunities in the new location 9. Better access to public services (e.g. education, health care, etc) for household members in receiving area 10. Humanitarian assistance in receiving area 11. Other | | |
| 29a. | Please specify other. *[Ask only if answer to Question 29 is “Other”]* |  | | |
| 30. | Are your animals producing milk at this time? | 1. Yes 2. No | | |
| 31 | How does your current level of milk production compare to a recent normal year at the same time period? *[Ask only if answer to Question 30 is “Yes”]* | 1. Higher 2. Same 3. Lower | | |
| **SECTION E. Food security** | | | | |
| **Food Consumption Score** | | | | |
|  | I would like to ask you about all the different foods that your household members have eaten in the **last 7 days**. Could you please tell me **how many days** in the past week your household has eaten the following foods? | *DAYS eaten in past week (0-7 days)* | | |
| 32. | Maize, ugali, rice, sorghum, millet, pasta, bread and other cereals | 0  1  2  3  4  5  6  7 | | |
| 33. | Cassava, potatoes and sweet potatoes, other tubers, plantains | 0  1  2  3  4  5  6  7 | | |
| 34. | Beans. cowpeas, groundnuts, lentils, nuts, | 0  1  2  3  4  5  6  7 | | |
| 35. | Vegetables, leaves: | 0  1  2  3  4  5  6  7 | | |
| 36. | Fruits | 0  1  2  3  4  5  6  7 | | |
| 37. | Beef, goat, lamb, poultry, pork, eggs and fish | 0  1  2  3  4  5  6  7 | | |
| 38. | Milk, yogurt and other diary | 0  1  2  3  4  5  6  7 | | |
| 39. | Sugar and sugar products (candy, cookies, pastries, cakes, sugary drinks), honey | 0  1  2  3  4  5  6  7 | | |
| 40. | Oils, fats and butter | 0  1  2  3  4  5  6  7 | | |
| 41. | Spices, tea, coffee, salt, fish power, small amounts of milk for tea. | 0  1  2  3  4  5  6  7 | | |
| **Reduced Coping Strategies Index** | | | | |
|  |  | *Days in the week (0 – 7)* | | |
| 42. | In the past 7 days, if there have been times when you did not have enough food or money to buy food, how often has your household had to **rely on less preferred and less expensive foods**? | 0  1  2  3  4  5  6  7 | | |
| 43. | In the past 7 days, if there have been times when you did not have enough food or money to buy food, how often has your household had **to borrow food, or rely on help from a friend or relative**? | 0  1  2  3  4  5  6  7 | | |
| 44. | In the past 7 days, if there have been times when you did not have enough food or money to buy food, how often has your household had to **limit portion size at meals**? | 0  1  2  3  4  5  6  7 | | |
| 45. | In the past 7 days, if there have been times when you did not have enough food or money to buy food, how often has your household had to **restrict consumption by adults in order for small children to eat**? | 0  1  2  3  4  5  6  7 | | |
| 46. | In the past 7 days, if there have been times when you did not have enough food or money to buy food, how often has your household had to **reduce number of meals in a day**? | 0  1  2  3  4  5  6  7 | | |
| **SECTION F: LOCUSTS** | | | | |
| 47. | Have you ever heard of desert locusts? *[please end interview if the person responds no]* | 1. Yes 2. No | | |
| 48. | If yes, from what source did you hear about them? [*ask only if answer to Question 47 was yes; please select all that apply]* | 1. Extension worker 2. Agro-dealer 3. Fellow farmer 4. Radio 5. TV 6. Church/mosque 7. SMS message 8. Social media (WhatsApp, Facebook, etc.) 9. NGO 10. Didn’t hear from anyone but have observed them personally 11. Other | | |
| 48a. | Please specify other. *[Ask only if answer to Question 48 is “Other”]* |  | | |
| 49. | During the past three months, have you ever seen desert locusts in your fields or in the pasture where your animal graze? *[if no, skip to 71 question about community education]* | 1. Yes 2. No 3. Not sure what I saw | | |
| 50. | What color were the locusts? | 1. Green 2. Pink 3. Yellow 4. Black 5. Brown 6. Other 7. Don’t know | | |
| 50a. | Please specify other. *[Ask only if answer to Question 50 is “Other”]* |  | | |
| 51. | How many times did they attack? | 1. Once 2. Twice 3. Three times 4. Four times 5. Five or more times 6. Don’t know | | |
| 52. | Have your crops been damaged by the locusts? *[ask only if respondent indicated 1 for Question 5; if no, skip to Question 56 pasture]* | 1. Yes 2. No | | |
| 53. | What was the stage of the crops at the time of the attack? [select up to 2] | 1. Germination 2. Vegetative 3. Flowering 4. Early maturity 5. Mature 6. Don’t know | | |
| 54. | What proportion of your cropping land was affected? | 1. Very little to none of the land (<10%) 2. A small percentage of the land (10 – 25%) 3. A moderate percentage of the land (25 – 50%) 4. The majority of land (50 -75%) 5. Most to all of the land (75 – 100%) | | |
| 55. | For crops that were affected, what were the extent of these damages? | 1. Very little to no losses (<10%) 2. Low level of losses (10 – 25%) 3. Moderate level of losses (25 – 50%) 4. High level of losses (50 -75%) 5. Very high level of losses (75 – 100%) | | |
| 56. | Were your pasture lands damaged by the locusts *[ask only if respondent indicated 2 for Question 5; if no, skip to question 59 about other impacts]* | 1. Yes 2. No | | |
| 57. | What proportion of your pasture land was affected | 1. Very little to none (<10%) 2. A small percentage (10 – 25%) 3. Moderate percentage (25 – 50%) 4. The majority of land (50 -75%) 5. Most to all of the land (75 – 100%) | | |
| 58. | What were the extent of these damages? | 1. Very little to no losses (<10%) 2. Low level of losses (10 – 25%) 3. Moderate level of losses (25 – 50%) 4. High level of losses (50 -75%) 5. Very high level of losses (75 – 100%) | | |
| 59. | Beyond any crop and pasture damage, have desert locusts currently affected your household in any other way? [*if no, skip to question 61 about future impacts]* | 1. Yes 2. No | | |
| 60. | Please explain the current impacts. | 1. Human health 2. Animal health 3. Environmental impacts 4. Water quality 5. Finds the locusts scary/causes anxiety/emotional stress 6. Caused social tension within the community/conflict 7. High costs for control 8. Increased food insecurity/malnutrition 9. Resulted in the movement of people/displacement 10. Other | | |
| 60a. | Please specify other. *[Ask only if answer to Question 60 is “Other”]* |  | | |
| 61. | Looking forward into the next six months, are you anticipating that desert locusts will affect your household in any other way beyond any crop and pasture damage? [*if no, skip to question 63 about control]* | 1. Yes 2. No | | |
| 62. | Please explain the expected future impacts. | 1. Human health 2. Animal health 3. Environmental impacts 4. Water quality 5. Finds the locusts scary/causes anxiety/emotional stress 6. Caused social tension within the community/conflict 7. High costs for control 8. Increased food insecurity/malnutrition 9. Resulted in the movement of people/displacement 10. Other | | |
| 62a. | Please specify other. *[Ask only if answer to Question 62 is “Other”]* |  | | |
| 63. | Did you or your neighbors/community members take any action to deal with the locust attack? [*if no, skip to question 66 about other agencies conducting control]* | 1. Yes 2. No | | |
| 64. | What action was taken? | 1. Pesticide / herbicides 2. Bio pesticides 3. Smoke 4. Noise 5. Other | | |
| 64a. | Please specify other. *[Ask only if answer to Question 64 is “Other”]* |  | | |
| 65. | In your opinion, are the control methods effective? | 1. No 2. Yes 3. Not sure | | |
| 66. | Are there any organizations that are working together with the communities to control this invasion? [*if no, skip to Question 71 about education]* | 1. No 2. Yes | | |
| 67. | Which organizations are they? *[please select all that apply]* | 1. Local government 2. National government 3. FAO 4. Other UN agencies 5. NGO 6. Local community group 7. Agro-dealers/private sector 8. Other 9. Not sure | | |
| 68. | Please specify other. *[Ask only if answer to Question 67 is “Other”]* |  | | |
| 69. | What activities are they doing? | 1. Arial spraying 2. Ground spraying 3. Community education 4. Livelihood/food security support 5. Other 6. Not sure | | |
| 69a. | Please specify other. *[Ask only if answer to Question 69 is “Other”]* |  | | |
| 70. | In your opinion, are the control methods effective? *[As only if answer to Question 69 is 1 or 2]* | 1. No 2. Yes 3. Not sure | | |
| 71. | Have you received any information on how to control desert locusts or minimize their impacts? [*if no, end interview]* | 1. No 2. Yes | | |
| 72. | What was the information about? [select all that apply] | 1. Identification 2. Control measures 3. Proper disposal 4. How to protect human health 5. How to protect animal health 6. Other | | |
| 72a. | Please specify other. *[Ask only if answer to Question 72 is “Other”]* |  | | |
| 73. | How did you receive this information? | 1. Extension worker 2. Agro-dealer 3. Fellow farmer 4. Radio 5. TV 6. SMS message 7. Social media (WhatsApp, Facebook, etc.) 8. NGO 9. Other | | |
| 73a. | Please specify other. *[Ask only if answer to Question 73 is “Other”]* |  | | |
| 74. | Was this information useful? | 1. Yes, very useful 2. Yes, somewhat useful 3. No, wasn’t useful 4. Not sure | | |

**END OF SURVEY. THANK YOU!**