**LAGOS STATE UNIVERSITY, OJO**

**FACULTY OF SOCIAL SCIENCES**

**DEPARTMENT OF GEOGRAPHY AND PLANNING**

**SURVEY QUESTIONNAIRE**

**Dear Sir/Ma,**

**RESEARCH QUESTIONNAIRE ON THE PERCEPTION OF FARMERS ON THE EFFECT OF CLIMATE CHANGE ON FOOD CROP PRODUCTION**

I am an undergraduate of the above named institution. I am conducting a research on the topic titled “Effect of Climate Change on Food Crop Production in Lagos state. You are requested to assist answer/complete the questions as it relates to your activities. This survey is purely for academic purpose and all information supplied will be treated confidentially.

**PART A: (Demographic data)**

1. **Location** [a] Epe [b] Ikorodu [c] Badagry
2. **Sex:** Female ( ) Male ( )
3. **Age:** 20 &< ( ) 21 – 30 ( ) 31 – 40 ( ) 41 – 50 ( ) 51 and above ( )
4. **Income**: Below 20,000( ) 21000 – 50000 ( ) 51000 – 80000 ( ) 81000 – 100000 ( )
5. **Occupation:** Civil Servant ( ) Artisan ( ) Unemployed ( ) Retired ( ) Self Employed ( ) farming ( ) Others ( )
6. **Marital status:** Single ( ) Married ( ) Divorced ( ) Widow/Widower ( )
7. **House hold size:** 1-5 ( ) 6-10 ( ) 10-15 ( ) Others ( )
8. **Level of education:** No Formal Education ( ) Primary ( ) Secondary ( ) Tertiary ( )
9. **Ethnicity:** Igbo ( ) Hausa ( ) Yoruba ( ) Others ( )
10. **Religion:** Christianity ( ) Islam ( ) traditional ( )
11. **Do you own a farmland?** Yes ( ) No ( )
12. **If yes, what is the average size of your farmland?** [a] 1 – 5 plots [b] 1 – 5 acres [c] 1 – 5 Hectares
13. **How long have you been farming?** [a] 1 – 5 years [b] 6 – 10 years [c] 11 – 15 years [d] 16 years and above

**PART B: (Awareness)**

1. Have you heard of climate change? Yes ( ) No ( ) don’t know ( )
2. If yes, how/where? (a) Television/Radio (b) Friends (c) Convention/Programmes (d) Researchers (e) farmers cooperatives (f) extension workers (g) others
3. Have you ever experience excessive rainfall, erosion and flooding? Yes ( ) No ( ) don’t know ( )
4. If yes, are you aware that this is an evidence of climate change? Yes ( ) No ( ) don’t know ( )
5. What was its effect on your crop production? Good ( ) bad ( ) fair ( )
6. Are you aware that climate change can affect food crop production? Yes ( ) no ( ) don’t know ( )
7. Do you have challenges with Pest and Diseases? Yes ( ) No ( )
8. If yes? What period of time? \_\_\_\_\_\_\_\_ (a) Raining (b) Dry (c) Harmattan
9. Do you know this is one of the effects of climate change? [a] Yes [b] No
10. **What type of crop do you plant? Cassava ( ) Maize ( ) Vegetable ( )**

**Effect of Climate Change on Food Crop Production**

1. Do you believe climate change can affect the output of your crop? Yes ( ) No ( ) Don’t know ( )
2. How will you rate your rate of crop yield/output in the last 3 decades? (a) Bad, (b) Fair, (c) Good
3. Do you engage in some of these activities?

|  |  |  |  |
| --- | --- | --- | --- |
| **S/N** | **ACTIVITIES** | **YES** | **NO** |
| a. | Bush burning |  |  |
| b. | Deforestation |  |  |
| C | Burning of woodfuel |  |  |
| d. | Use of fertilizer |  |  |
| e. | Use of chemicals like pesticides, herbicides etc |  |  |
| f. | Continuous cropping |  |  |
| g. | Over grazing |  |  |

1. Are you aware that some of these activities can lead to climate change? Yes ( ) No ( ) don’t know ( )
2. Do you know that this can reduce the rate of crop production output? Yes ( ) No ( ) don’t know ( )
3. How will you describe the pattern and weather condition of the following?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S/N** | **VARIABLES/SEASONS** | **INCREASING** | **DECREASING** | **NO CHANGES** |
| a. | Rainfall |  |  |  |
| b. | Long period of dry season |  |  |  |
| c. | Harmattan |  |  |  |
| d. | Temperature |  |  |  |
| e. | Thunderstorms |  |  |  |
| f. | Heavy Winds |  |  |  |
| g. | Floods |  |  |  |
| h. | Drought |  |  |  |
| i. | Heat Waves |  |  |  |
| j. | Desertification |  |  |  |
| k. | Loss Of Forest Resources |  |  |  |
| l. | Soil erosion |  |  |  |
| m. | Soil moisture |  |  |  |
| n. | Pests |  |  |  |
| 0. | Diseases |  |  |  |
| p. | Weeds |  |  |  |

1. What is the extent to which the perception of the Famers on the Weather conditions affects crop yield?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S/N** | **VARIABLES/SEASONS** | **High Positive** | **Low Positive** | **High Negative** | **High Negative** |
| a. | Rainfall |  |  |  |  |
| b. | Long period of dry season |  |  |  |  |
| c. | Harmattan |  |  |  |  |
| d. | Temperature |  |  |  |  |
| e. | Thunderstorms |  |  |  |  |
| f. | Heavy Winds |  |  |  |  |
| g. | Floods |  |  |  |  |
| h. | Drought |  |  |  |  |
| i. | Heat Waves |  |  |  |  |
| j. | Desertification |  |  |  |  |
| k. | Loss of Forest Resources |  |  |  |  |
| l. | Soil erosion |  |  |  |  |
| m. | Soil moisture |  |  |  |  |
| n. | Pests |  |  |  |  |
| 0. | Diseases |  |  |  |  |
| p. | Weeds |  |  |  |  |

1. What are the coping strategies adopted by you to manage climate change situation?

|  |  |  |  |
| --- | --- | --- | --- |
| **S/N** | **COPING STRATEGIES** | **YES** | **NO** |
| a. | Multiple/intercropping |  |  |
| b. | Agro-forestry/aforestation, |  |  |
| c. | Purchase/harvest of water for irrigation |  |  |
| d. | Mulching |  |  |
| e. | Use of resistant varieties. |  |  |
| f. | Expansion of cultivated land area |  |  |
| g. | Use of chemical: herbicides, pesticides, etc. |  |  |
| h. | Increased used of fertilizers |  |  |
| i. | Intensive manure application |  |  |
| j. | Others |  |  |