**RESEARCH QUESTIONNAIRE**

**Title:** *An Assessment of the Impact of Deforestation on Arable Crop Production Among Farmers in Mubi North, Adamawa State*

**Instruction:** Please kindly respond to the following questions as honestly as possible. All information provided will be used strictly for academic purposes and will be treated with utmost confidentiality.

**SECTION A: SOCIO-DEMOGRAPHIC CHARACTERISTICS OF RESPONDENTS**

1. Age: ☐ Under 25  ☐ 25–34  ☐ 35–44  ☐ 45–54  ☐ 55 and above
2. Gender: ☐ Male  ☐ Female
3. Marital Status: ☐ Single  ☐ Married  ☐ Widowed  ☐ Divorced
4. Educational Level: ☐ No formal education  ☐ Primary  ☐ Secondary  ☐ Tertiary
5. Farming Experience (Years): ☐ 1–5  ☐ 6–10  ☐ 11–15  ☐ Above 15
6. Farm Size: ☐ Less than 1 hectare  ☐ 1–2 hectares  ☐ 3–4 hectares  ☐ 5 hectares & above
7. Primary Source of Income: ☐ Farming  ☐ Trading  ☐ Civil Service  ☐ Others (specify): \_\_\_\_\_\_\_\_\_\_\_\_

**SECTION B: EXTENT AND CAUSES OF DEFORESTATION**

Using the scale below, please tick the option that best describes your opinion:

| SA = Strongly Agree | A = Agree | U = Undecided | D = Disagree | SD = Strongly Disagree |

**Instructions:** Please tick (✔) one option for each statement.

| **S/N** | **Statement** | **SA** | **A** | **U** | **D** | **SD** |
| --- | --- | --- | --- | --- | --- | --- |
| 1. | Deforestation is a major problem in my farming community. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 2. | Deforestation in Mubi North is mostly due to tree felling for firewood and charcoal. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 3. | Expansion of farmland is a leading cause of deforestation in my area. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 4. | Deforestation has increased in the past 10 years in my area. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 5. | Bush burning is a regular practice contributing to deforestation in this community. | ☐ | ☐ | ☐ | ☐ | ☐ |

**SECTION C: EFFECTS OF DEFORESTATION ON CROP PRODUCTION**

| **S/N** | **Statement** | **SA** | **A** | **U** | **D** | **SD** |
| --- | --- | --- | --- | --- | --- | --- |
| 6. | Deforestation has led to reduced soil fertility on my farm. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 7. | Crop yield has significantly declined due to deforestation. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 8. | Soil erosion has increased as a result of tree loss. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 9. | Pest and disease attacks have increased due to loss of forest cover. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 10. | The microclimate around my farm has changed due to deforestation. | ☐ | ☐ | ☐ | ☐ | ☐ |

**SECTION D: FARMERS’ PERCEPTION ON DEFORESTATION**

| **S/N** | **Statement** | **SA** | **A** | **U** | **D** | **SD** |
| --- | --- | --- | --- | --- | --- | --- |
| 11. | I am aware of the long-term dangers of deforestation on agriculture. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 12. | I believe tree planting is essential to reduce the effects of deforestation. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 13. | I have adopted changes in my farming methods to reduce deforestation. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 14. | Deforestation affects the sustainability of farming activities in the community. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 15. | Government policies on forest protection are effective in my area. | ☐ | ☐ | ☐ | ☐ | ☐ |

**SECTION E: STRATEGIES FOR MITIGATING THE IMPACT OF DEFORESTATION**

| **S/N** | **Statement** | **SA** | **A** | **U** | **D** | **SD** |
| --- | --- | --- | --- | --- | --- | --- |
| 16. | Agroforestry should be promoted to reduce deforestation. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 17. | Community sensitization on forest conservation is necessary. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 18. | The government should provide incentives for farmers practicing sustainable agriculture. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 19. | Alternative energy sources (like gas) should be promoted to reduce firewood dependence. | ☐ | ☐ | ☐ | ☐ | ☐ |
| 20. | Stronger forest regulations and enforcement are needed. | ☐ | ☐ | ☐ | ☐ | ☐ |

**SECTION F: OPEN-ENDED QUESTIONS**

1. In your opinion, what are the major causes of deforestation in your community?

  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. How has deforestation personally affected your crop production?

  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_