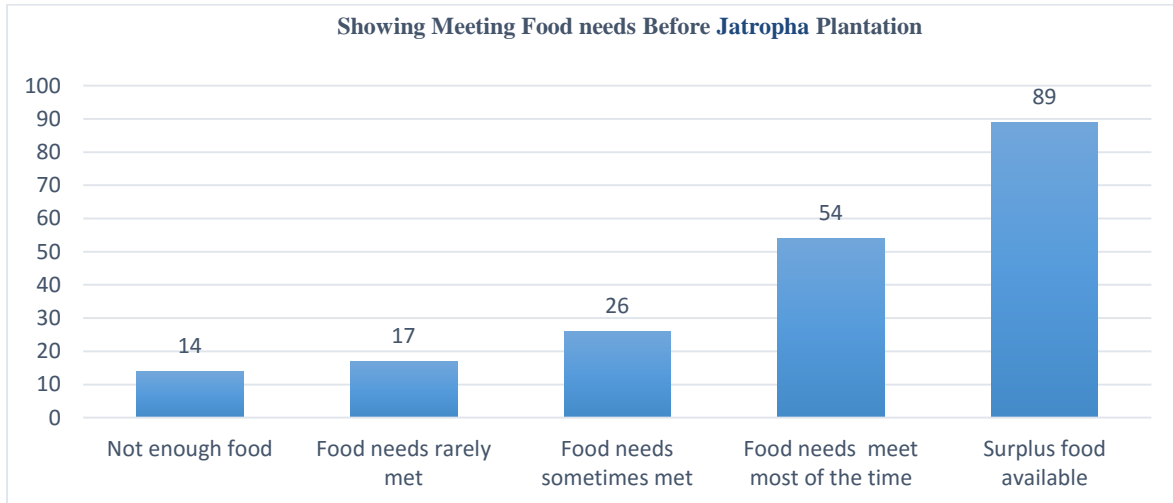


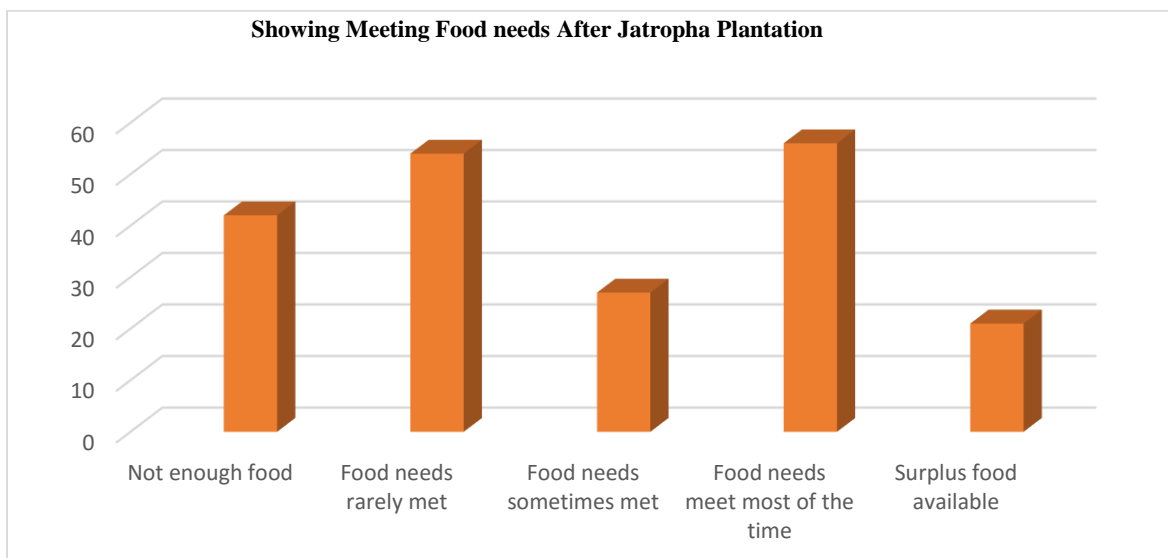
APPENDIX

Appendix 1: Meeting Food needs Before Jatropha Plantation



Source: Researcher's own work

Appendix 2: Shows Meeting Food needs After Jatropha Plantation



Source: Researcher's own work

Appendix 3 : Questionnaire

Questionnaire for inhabitants of selected communities where land has been grabbed for jatropha cultivation

Section A: BIO DATA

1. Gender of respondent

Male Female

2. Age of respondent

-20 21-31 31-40 41-50 above 50

3. Highest level of formal education completed

Primary Junior High Senior High Tertiary None

4. Employment status

Employed Not employed

5. If employed, type of employment

Own Farming Trading Plantation job Salary work
Other (specify)

6. Marital status

Single Married Widower/widow Separated Divorced
Other (specify)

7. Religion

None Islamic Christian Traditional
Others (specify).....

SECTION B: How was the large-scale land acquisition for the jatropa project done?

8. What is your household size?

Less than 5 6-10 11-20 More than 20

9. How is land acquired in this community?

10. Have you ever lost your land to jetropha plantation?

Yes No

11. If yes to 10, what was the acreage of land lost to jetropha investment?

Less than 11 acres 11-20 acres 21-30 acres 31-40 acres
41-50 acres 51-60 acres 71-80 acres 81-100 acres
More than 100 acres Not sure of size

12. Do you know of any process for the large-scale land acquisition?

Yes No

If yes, mention.

13. Were you notified about the land acquisition for the project?

Yes No

14. Were you involved in the land acquisition?

Yes No

If Yes, at what stage?

Section C: In what ways did large-scale land acquisition for jatropa plantation affect farmers' access to land?

	BEFORE	AFTER
15.Size of the land you had initially acquired?		
16.Size of land you operated on?		
16.How did you acquire the land		
18.How much did you acquire the land?		
19.Did you expand your land use (e.g Farm) after initial acquisition?		
20.How much land did you expand?		
21.How much did you acquire the extra land?		
22.Size of the land you had initially acquired?		
23.Size of land you operated on?		
24.How did you acquire the land		
25.How much did you acquire the land?		

Section D: How did large-scale land acquisition for jatropha plantation directly affect the output of farmers?

	BEFORE	AFTER
26.What major crops did you cultivate?		
27.Average quantity of food crop produced per farming season		
28.Average quantity of food crop consumed per farming season		
29.Average total income from land related sources per season (Farm income and Non-farm income)		
30.Average total expenditure per season(Food items and Non-food items)		
31.Livelihoods activities Wood fuel like firewood, charcoal, dawadawa, shea nut, hunting,		

32.Acquisition of land for jetropha affect fallow periods		
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Section E: How did large-scale land acquisition for jatropha plantation directly affect household economy of farmers within the project communities?

	BEFORE	AFTER
33.What major crops did you cultivate?		
34.Average quantity of food crop produced per farming season		
35.Average quantity of food crop consumed per farming season		
36.Average total income from land related sources per season (Farm income and Non-farm income)		
37.Average total expenditure per season(Food items and Non-food items)		
38.Livelihoods activities Wood fuel like firewood, charcoal, dawadawa, shea nut, hunting, hay		

Section F:How did large-scale land acquisition for jatropha plantation affect household food security of farmers within the project communities?

	Strongly disagree	disagree	Uncertain	Agree	Strongly agree	notapplicable
39.food supply decreased after acquisition						
40.Food is very difficult to access of late						
41.Food prices have increased after the acquisition of land						
42.Food is sufficient for all after the acquisition						

Section G: Effects of land grabbing on water resources

	Strongly disagree	disagree	Uncertain	Agree	Strongly agree	not applicable
43.The amount of water resource available has reduced						
44.There is always difficulties in accessing clean water						
45.Acquisition of large tracks of land has led to the loss of some water resources for the community.						

Section H: Impact of jetropha plantation on local people

	Impacts	YES	NO
Positive impacts	Built health center for local people		
	Opened up the local economy		
	Created employment for the people		
	Provided good roads		
	Provided boreholes		
Negative impacts	Non-farm products like picking snails, mangoes etc has become scare		
	Polluted our water sources		
	Reduce accessibility to land		
	Increased the cost of living		
	Reduce food production		