

Annexes

Annex: 1

Research Questionnaires

District: VDC: Tole:
..... Ward NO. :.....

Name of Respondent:
Age:

Education: Occupation:
.....

Male	Female

Family size:

No. of livestock:

.....

- How much land do you have?
a) Khet b) Bari c) Khoriya d) Total.....
.....
- Main crops you cultivate?
a) Paddy b) Maize c) Wheat d) Millet
e) Buckwheat f) Barley g) Amaranth h) Sorghum
i) Vegetables (potato, onion, garlic.....) j) Other
- Food sufficient for your family from own production?
a) 1-3 months b) 4-6 months c) 6-9 months d) 9-12 months
e) Surplus
- If surplus, what you do?
a) store b) sell c) other
- If insufficient, what you do?
a) Purchase b) borrow c) other

6. Crops cultivated before but not at present

S.N.	Name of the crops	Status	
		Disappearing	disappeared

7. Crop production and varieties

S.N.	Name of crops	Area/ No.	Present Production	Possible extension of cultivable land	Variety of crop
a	Millet				
b	Buckwheat				
c	Barley				
d	Amaranth				
e	Sorghum				

8. Status of production and utilization of these crops in comparison with past 10 years

S.N.	Name of crops	Production			Reason	Utilization		
		Incre- asing	Decr- easing	As it is		Incre- asing	Decr- easing	AS it is
a	Millet							
b	Buckwheat							
c	Barley							
d	Amaranth							
e	Sorghum							

9. What kind of Agronomic practices you do?

S.N.	Name of crops	Source Of Seed	Irrigation	Weeding	Pesticide	Fertilizer		Sole crop	Mixed crop	Storage
						Chemical	Organic			
a	Millet									
b	Buckwheat									
c	Barley									
d	Amaranth									
e	Sorghum									

10. Favorable season for planting and harvesting.

S.N.	Name of crops	Months											
		Bai	Jes	Asd	Shr	Bhd	Asj	Kar	Man	Pus	Mag	Fal	Cht
a	Millet												
b	Buckwheat												
c	Barley												
d	Amaranth												
e	Sorghum												

1. Bedding 2.Planting 3.Weeding 4.Irrigation 5.Harvesting 6. Graining process

11. What you do with the residue of these crops?

- a) Compost/ Manure b) Fodder c) Handicrafts d) Other

12. For what purpose do you use these crops?

S.N.	Name of crops	Wages	Meal	Sale	Feed animal	Special items	Break-Fast/sn-acks	When you eat		Other
								Every-day	Some-time	
a	Millet									
b	Buckwheat									
c	Barley									
d	Amaranth									
e	Sorghum									

13. Whose contribution /participation are more in cultivation?

S.N.	Age group	Male	Female	Both
a	0-15			
b	15-45			
c	45+			

14. Problems in cultivation/production?

S.N.	Name of crops	Irrigation	Hailstorm	Wind/storm	Animals	Disease	
						pathogenic	Non-pathogenic
a	Millet						
b	Buckwheat						
c	Barley						
d	Amaranth						
e	Sorghum						

1. More 2. Less 3. Non

15. People's perception and status

S.N.	Name of crops	Expenditure	Grain processing		Nutrition value status	Market demand		
			Simple	Tedious		Increasing	Decreasing	As it is
a	Millet							
b	Buckwheat							
c	Barley							
d	Amaranth							
e	Sorghum							

16. What is people's view in use of these crops?

a) Millet

.....

b) Buckwheat

.....

c) Barley

.....

d) Amaranth

.....

e) Sorghum

.....

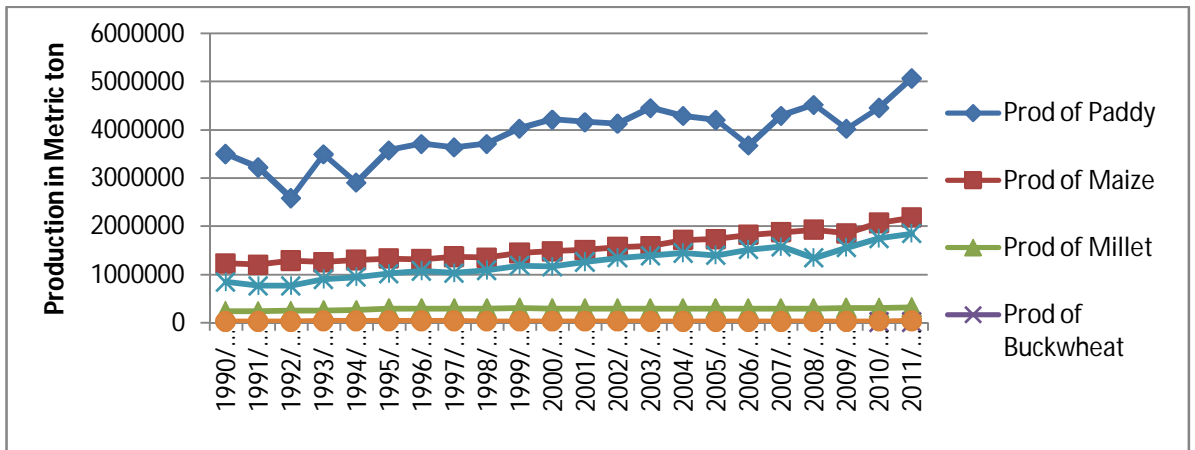
17. What can be done to increase the market value of these crops?

Annex: 2

Questionnaires for Focus Group Discussion (FGD)

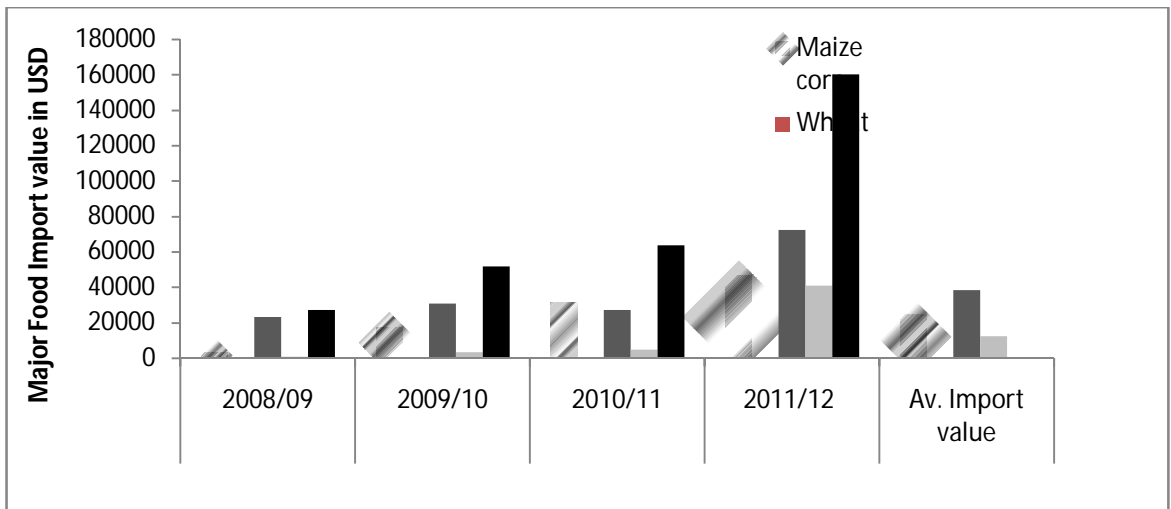
1. What may be the possible reasons for food insufficiency by your own production?
2. Which food is more preferred in daily diets?
3. What is the status of these underutilized crops? Is there any change in the use and production of these crops in then and now?
4. What may be the possible reasons for the decrease in these crops?
5. What can be done to increase the production, use and value of these crops?
6. Do you have any knowledge about the importance of these crops?
7. Have you involved in any programmes or trainings related to agriculture?
8. What are other uses of these crops beside food?
9. Have you got any support from your VDC or any project for the betterment of agricultural production?
10. What do you expect from the government for the betterment of your livelihood and food sufficiency?

Annex: 3



(Source: MoAD, Nepal)

Figure 8: Trend of Cereal Crops Production in Nepal (1990/91 to 2011/12)



(Source: Nepal Foreign Trade Statistics, 2008/09-2011/12)

Figure 10: Value of Major Import Crops (2008/09 to 2011/12)

Annex: 4

Conversion factor to compute adult equivalents

Age group	Adult equivalents		Age group	Adult equivalents	
	Male	Female		Male	Female
Under 1 Year	0.33	0.33	12-13.99	0.96	0.84
1-1.99	0.46	0.46	14-15.99	1.06	0.86
2-2.99	0.54	0.54	16-15.99	1.14	0.86
3-4.99	0.62	0.62	18-29.99	1.04	0.80
4-6.99	0.74	0.70	30-59.99	1.00	0.82
7-9.99	0.84	0.82	60 and above	0.84	0.74
10-11.99	0.88	0.78			

Source: Gamba, P., 2005 as per WHO

Photo plates



Picture 1: Amaranth grown in study area



**Picture 2: Cemented tank to collect
Rain water**



Picture 3: A child working in maize field



**Picture 4: Picture showing Bari and
Khoriyan**



**Picture 5: Small beds of millet
questions.**



**Picture 6: A respondent answering
questions.**



Picture 7: Focus group discussion machine



Picture 8: Traditional grinding



Picture 9 & 10: graining and processing of Millet



Picture 11: Tomato farming alcohol



Picture 12: Method to produce local alcohol (By: Kamal Hari Bhandari)