Appendices

the	Appendix 1 Questionnaire for calculation of food availability and income from crops in the household 1. Crop use							
S.	Name	Total	Paid to	Feed	Seed	Paid kind	Uses for	Sale from
N	of	production	land	use	use	to the	making	production
	crops	(Amount)	owner			labor	alcohol	
1		-		3豐			3	
2. П	Did you re	eceive any fo	od grains f	rom you	ır relativ	es or as a wa	ge?	
Yes			4	& (No		2
3. I	f yes plea	se specify th	e amount y	ou rece	ived. (La	ist year)	7	Se l
				Amo	ounts		Total	
Nar	ne of food	d grains	Relatives	N	Wag	ge	- /	
						Λ		
	4. Did y	ou keep any	food grain	s from t	he last y	ear's produc	tion?	
Yes	S 🗆	1	111		× T	No	0	
	5. If yes	, please give	following	informa	tion. (fr	om last year'	s production)
	Food g		Un		Amoi		Remark	
6. I	6. Have you bought any food grains from the market?							
op	Yes No							
	Food grain		Amount		iation! (Last year) Total expen		7 0 0
-	roou gran	119	Amount	3		Total expell	ditule	4 C C
<u> </u>								

Appendix 2 Household questionnaire

1.	Househo	ld	demo	grap	hics
٠.	110 000110	14	acino	5 mp	1110

Please include details of all members of a household

riease, include details of all members of a household								
1.First	2.Sex	3.Age	Level of Education	8. Health status of adults (15-60 yrs)				
Name	1=M		0 = None	1 = Good (little or no sick)				
(optional)	2=F		1 = Primary	1 = Poor(sick more than 3 moths)				
			2 = Secondary					
	3		3= Higher Secondary					
3								
9)								

2. Land use and land property right (kattha)

S.N Land	Own land	Rented land	Total
11/2/	Irrigated Rain fed	Rain fed Irrigated	

3. Uses of Livestock including farm income from livestock

S.N	Types of livestock or product	Unit	Total production (Amount)	Home consumptio n (%)	Sale (%)	Selling in Rupees
9	5			9	7	?

4. Income from off- farm production and services

S.N	Description	DY	Total last year	Mai	Value in Rupees
1	rıg	5 h	ts r	es	erved

5.	How much proportion of total expenditure had you expended to buy food last year

6. Stability status

S.	Item	Last	5	Last	4	Last 3	3	Last	2	Last year
N		year ago		year ag	O	year ago		year ago)	
1	Cereal yield									
	(quintal/yr)					0				
3	Farm income	200	7,			67				
	(Rs/yr)	410.				9				

7. Use of production inputs in farm	- MAL =	-	Remarks
a Chemical Fertilizer	Sufficient □	Insufficient □	
b Organic Manure	Sufficient	Insufficient □	9
c Chemical Pesticides	Sufficient □	Insufficient □	
d Modern rice variety	Yes□	No □	
e Tharu plow	Yes□	No □	
8. Do you have access to exten	nsion service?		Z 5 1
Yes□	I	No 🗆	306
		/	
9. What type of facility have you go	ot from local e	extension office?	7
a. Demonstration	b.	Training	
c. Exposure Visit	d.	Farmer day	
e. Farmer Exhibition (Kishan N	Mela) f.	Mobilization of Farmo	ers organization
g. Rewards & incentives	h.	Others	
	Conce		
10. How many groups are you invo	lved in social	activities of your comm	nunity?
1. Farmer group Yes□ N	lo 🗆	2. Farmer cooperative	es Yes No
3. Forest user group Yes□	No 🗆	4. Water user group	Yes□ No □
5. saving and credit Yes□	No 🗆	6. Others	Yes□ No□

11. Food coping strategies

Which of the following food coping strategies did your household utilize last year?

19.1 Consumption Strategies

19.2 Expenditure Strategies

19.3 Income Strategies

Appendix 3 Household level cereal grain requirement by age and gender of household

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Age	Energy Ro	equirements	Energy req	uirements	Calcula	ited Cereal
(years)	(kcal	pppd)	from C	Cereal	Requ	irements
	790		(kcal p	oppd)	(kg/ pe	rson/year)
	Male	Female	Male	Female	Male	Female
0-4	1,320	1,250	1122	1063	118.4	112.1
5-14	2,175	1,885	1849	1602	195.0	169.0
15-19	32,700	2,120	2295	1802	242.1	190.1
20-59	2,460	1,990	2091	1692	220.6	178.4
60+	2,010	17,80	1709	1452	180.2	159.6

Source: WFP/UNHCR, 1997

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Appendix 4 Estimation of edible cereal grain from crude cereal grain

	201	318194		
Commodity	seed rate	Wastage loss	Extraction rate	Processing
	kg/ ha	(%)	(%)	loss (%)
Paddy	55	10	62.85	1.75
Wheat	100	10	96	
Maize	20	10	97	1
Millet	20	10	93	503
Barley	20	10	93	0

Source: Ministry of Agriculture and Cooperatives (MOAC), 2006

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Appendix 5 Nutrition (calorie) based equivalence scales

Years of age	Men 91948	Women
0 - 1	0.33	0.33
1 - 2	0.46	0.46
2 - 3	0.54	0.54
3-5	0.62	0.62
5 - 7	0.74	0.70
7-10-3	0.84	0.72
10 - 12	0.88	0.78
12 - 14	0.96	0.84
14 - 16	1.06	0.86
16 - 18	1.14	0.86
18 - 30	1.04	0.80
30 - 60	1.00	0.82
60 plus	0.84	0.74

Source: Calculated from World Health Organization Data (Cited in Stefan and Pramila, 1998)

Appendix 6 Conversion factors from local measurement unit

Area	1 Kattha	0.033 Hectare
	1 Bigha	0.675 Hectare
Weight	1 Pau	0.25 Kilogram
	1 Ser	0.80 Kilogram
	1 Dharni	2.5 Kilogram
Volume	1 Mana	0.57 Liter
8.	1 Pathi	8 Mana
	1 Muri	20 Pathi
Crop volume by weight	Rice 1 Pathi	2.4 Kilogram
502	Wheat 1 Pathi	3.4 Kilogram
	Maize 1 Pathi	3.4 Kilogram
	Rice 41 Pathi	1 Quintal
	Wheat 30 Pathi	1 Quintal
	Rice 30 Pathi	1 Quintal
Currency exchange rate	(On April 2007)	A
	65 Nepalese Rupees (NRs)	1 \$ dollar
Calorie conversion	ATTOTIFES	
Rice	1 kilogram	3460 kcal
Maize	1 kilogram	3420 kcal
Wheat	1 kilogram	3410 kcal
Rice equivalent	1 unit maize	0.988 unit rice
Source: Department of Agr	1 unit wheat iculture (DOA), 2006	0.986 unit rice
All rig	hts res	erved

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